

PAC Strapping Products Inc.®

A **FROMM** COMPANY



Product Catalog

World Class Products, Home Town Service.

Thank you for choosing PAC Strapping Products, Inc.

Since the last publishing of our product catalog the world has changed and so has PAC Strapping Products. In 2018 the company was acquired by Fromm Holdings based in Switzerland, established in 1947 Fromm is a market leading manufacturer with years of experience in the development, sales and service of a wide range of handheld tools and automated systems for securing and protecting transport loads around the world. PAC is now part of the Fromm family, what has not changed is our commitment to bring value to the distributor marketplace and provide the best products and service in the industry. We celebrated 40 years in business in 2022 but our mission remains the same.

- Provide the best value in our industry to our customers by supplying a broad range of strapping related items made to the highest quality standards, shipped on time and complete.
- Provide the best sales and customer service experience every time we get the opportunity.
- Foster an environment of teamwork that always puts the customer first.
- Be innovative and willing to change no matter what crisis comes our way, no matter the issue we will be there to support you.

Our focus has not changed and that is our commitment to the distributor market. Many of our competitors can claim to be distributor focused but PAC practices what we preach. Our broad product line, sales assistance, literature and customer service experience are all focused on the distributor marketplace and we are committed to this for many years to come. We continue to develop new products, expand our warehousing footprint and commit to having product in stock so we can ship your orders on time and complete.

We want to thank you for the opportunities you have given us over the last 40 years we truly appreciate it and hope we can continue to be your source for all strapping related needs.

Thank you!

MISSION

STATEMENT

The mission of PAC Strapping Products, Inc. is to be a leader in the Strapping Industry. In order to accomplish our mission we will:

- Provide the best value in our industry to our customers by supplying a full line of quality products, on-time delivery, and innovative solutions.
- Develop and maintain convenient channels that make our products readily available to our entire market.
- Utilize world-class methodologies to maximize the efficiencies for our customers.
- Foster an environment of teamwork, innovation, and integrity with all our stakeholders.



1 PLASTIC STRAPPING

Polypropylene Strapping-Machine Grade and Hand Grade

Polyester Strapping-Machine Grade and Hand Grade

Polyester and Cord Strapping

Specialty Strapping Products

2 STRAPPING MACHINES

Semi Automatic Machines for Plastic Strapping

Automatic Machines for Plastic Strapping

Custom Designed and Fully Integrated Packaging Systems

3 STRAPPING TOOLS

Manual Tools for Plastic Strapping

Manual Tools for Steel Strapping

Power Tools for Plastic and Steel Strapping

Tool Repairs and Machine Training



4 ACCESSORY PRODUCTS

Wire and Plastic Buckles for Plastic Strapping

Seals for Plastic and Steel Strapping

Corner Protectors

Strapping Dispensers

Misc. Strapping Accessories



5 STRAPPING KITS

Regular and Heavy Duty Strapping Kits

Plastic Strapping Kits

Steel Strapping Kits

Specialty Kits for Unique Applications

Distributor Sales & Service Information

Thank you for choosing PAC Strapping Products as your supplier. Our goal is to provide distributors with a broad range of strapping products, the best service in the industry, and pricing that will enhance your bottom line. We recognize that our success depends on your ability to sell our products in your market, and we will provide whatever assistance we can to help you expand the sales and profitability of our products. All of our personnel are knowledgeable and can assist you with placing an order, expediting a shipment, or providing you with market competitive information.

Our sales and service practices are designed to make it easy to do business with us. We encourage you to call on us for all of your strapping needs.

Demos:

In plant demonstration of tools is an effective sales tool. We encourage distributors to stock tools so they can quickly respond to their customer's requests for demos. We will also assist distributors with demo units where appropriate. If a unit is ordered for demo please note the following practices:

DEMO POLICY FOR TOOLS AND MACHINES

- A formal PO must be submitted with a signed demo agreement.
- Demo time period is 21 days from invoice date.
- All demo tools must be returned in the same working condition they were shipped in.
- Any damages to tools or machines will be assessed when returned and any labor or parts required to bring the product back to working condition will be harged at current market prices and deducted from the original invoice.

Drop Shipments

We will be happy to drop ship orders under your company name with no additional shipment charge.

Freight

Prices are F.O.B. Mill, freight collect. If requested, we will prepay freight charges and add them to your invoice.

Warranty

Standard warranties, which cover manufacturing defects only, are as follows:

Arch Type Strapping Machines	30 days labor, 2 year parts
Non Arch Type Strapping Machines ...	30 days labor, 1 year parts
Manual Tools	30 days labor, 90 days parts
Power Tools.....	180 days labor, 1 year parts
Strapping Systems	Custom Warranty

**All warranties are from the date of the invoice*

Handling Charges

Orders shipped UPS and overnight express require additional packaging and handling, and will be assessed a handling charge.

Lead Times

We ship stock items within 24 hours. Some items may require longer lead times please contact customer service for further details.

SALES & SERVICE INFORMATION

Minimum Orders

Minimum order value for commodity products is \$300.00 and \$50.00 for parts. (Cannot include freight costs). Non-stock special orders require MOQ - contact customer service.

Non-Stock Products

We encourage you to call on us for specialty products not on our price list. We can supply you with non-stock sizes and colors of strapping, specialty tools for steel and plastic strapping, and machines for special applications. Non-stock products are usually subject to minimum quantities. Please contact Customer Service for details.

Packaging

STRAPPING

Packaging and skid configurations are noted in the catalog for each individual strapping item we supply.

ACCESSORY PRODUCTS

Many accessory products are available in several alternative case packs. Packaging alternatives on all accessories are noted for each item on the price list.

Private Labeling

We will be happy to private label cartons with your company name and reorder information. Private labeling is subject to certain minimum sales requirements and surcharges.

Product Use

Before using, the user should determine the suitability of the strapping or the machinery for its intended use. All technical information and recommendations supplied by PAC Strapping Products are based on information we believe to be reliable. However, the accuracy or completeness is not guaranteed. Accordingly, PAC Strapping Product's obligation is limited to replacement of products that prove to be defective.

Quantity Discounts

Items may be combined with similar items for maximum quantity discounts, e.g., buckles, seals, edge protectors and steel seals may be combined when ordered in full skid quantities only.

Returns

Your satisfaction with our products is our primary goal. If, for any reason, you have a return, simply call Customer Service for a merchandise return authorization number. Returns are subject to a minimum 15% restocking charge. Certain items, such as non-stock specialty items, and items over one year old, are not returnable for credit.

Service and Repairs

We service and stock parts for all PAC model tools and machines. Repairs done beyond the warranty period will be billed at our prevailing rate. If you need a cost estimate on a repair, please let us know and we will provide an estimate, free of charge, before proceeding with the repair. In the event of a distributor made repair during the warranty period, please contact Customer Service so we can authorize a warranty credit.

We will also repair, limited to parts availability, competitive tools for stocking distributors. In most cases, repaired tools are returned to you within seven days.

Terms

Our standard terms are Net 30, with approved credit. Custom products and packaging systems require a deposit at the time of order placement.

THANK YOU!

Strapping



Plastic Strapping Guide

PERFORMANCE	POLYPROPYLENE	POLYESTER	POLYESTER CORD	STEEL
Break Strength	Good	Very Good	Very Good	Excellent
Elongation*	18-24%	10-12%	10-12%	1%
Ability to Retain Tension	Poor	Very Good	Very Good	Excellent
Elongation Recovery	Excellent	Good	Good	Poor
Split Resistance	Poor	Very Good	Good	Excellent
Recyclability	Excellent	Excellent	Good	Poor
Cost	Least Expensive	More Expensive	More Expensive	Most Expensive
Shock Resistance	Good	Very Good	Excellent	Poor

*In the working range (40-60% of ultimate break strength).

Applications Information

All plastic strapping can be applied manually and sealed with either buckles or seals. Manual application is ideal for low and moderate volume users and requires little or no investment in tooling. In addition, manually applied strapping is frequently specified in light duty, high volume applications where the cost of an automated system cannot be justified. Polypropylene and polyester strapping can also be applied with battery powered and pneumatic tools using either a friction weld or a mechanical seal. A moderate investment in tooling can frequently be cost justified by seal and buckle savings in sealless tools.

The next level of application utilizes semi automatic or automatic machines. When applying strapping with automatic machines, machine grade strapping must be specified.

Machine grade strapping is manufactured under closer tolerances and has minimal camber. Semi automatic (archless) machines have become affordable for even occasional users, and should be specified with semi-automatic strapping for maximum cost effectiveness. Automatic machines can range from operator assisted full arch machines to fully automatic in-line systems.

The general rule in specifying application methods is this:

Up front expenditures in tooling and machinery will increase tension capability, consistency, and joint efficiency, while reducing costs of closures, waste and labor.

This guide is not intended to be an all inclusive technical reference manual of plastic strapping. It is, however, designed to familiarize distributors and users with the basic characteristics of plastic strapping, the types of strapping available from PAC Strapping Products, Inc., application methods and specification guidelines.

Plastic Strapping Guide

Polypropylene Strapping

Polypropylene strapping is the most commonly used and least expensive of all strapping materials. It's light and easy to apply and recycle. Characteristics include high elongation and elongation recovery, but low retained tension.

Polypropylene is available in both manual and machine grade and can be sealed with buckles, seals, heat seals, or friction welds.

Polypropylene is an excellent choice for light duty palletizing, unitizing, carton closing, and bundling. It is used in all semi automatic strappers and many stand alone arch machines.

Polyester Strapping

Polyester is the most rigid of all strapping materials. It elongates significantly less than polypropylene and retains tension over a longer period. Polyester is nick resistant and can be sealed with seals, heat, or friction welds.

Because polyester offers the greatest strength and highest retained tension of all plastic strapping, it is frequently used on heavy duty loads that need high initial tension along with high retained tension during handling and storage. Common applications are empty cans and bottles, lumber, and heavy, rigid palletizing. In addition, favorable pricing and performance characteristics have driven many steel strapping applications to polyester. Polyester is available in both machine grade and hand grade and is easy to dispose of and recycle.

PAC Polyester Cord Strapping

Cord Strapping is available in three basic forms: uniline, cross woven and composite. Composite Cord is manufactured with an exterior polymer coating. Uniline cord is manufactured by gluing fibers together with cross woven a cross weave is added between the fibers. Cord is used only in manual applications and is sealed using buckles, seals or tied. Polyester cord offers excellent resistance to moisture and is frequently used in outdoor applications. The heavy duty polyester sizes are now frequently replacing steel in lumber applications. Other common uses are agricultural (bracing of fruit trees) and the boat industry.

Steel

Steel is the strongest of all strapping materials at the same width and thickness. It is recommended where high strength is necessary, low elongation is important, and where the product is extremely sharp or hot. Steel is sealed using mechanical seals and notch (sealless) type joints.

Although the market for steel is declining, there are numerous applications where steel is the preferred alternative. It is most commonly used in steel service centers, rail car applications and heavy construction applications. Steel can be dangerous to work with due to it's weight, sharp edges and ergonomic concerns, and difficult to recycle.

Common Strapping Terms

Break Strength - The amount of force, expressed in pounds, required to break the strap.

Camber - Camber is the amount of “twist” or curve in strapping. Camber is not a major factor in manually applied strapping. However, machine grade strapping must be relatively camber free to allow it to travel through the machine’s arch.

Creep - A loss of retained tension, or tension decay, creep is the loss in initial tension that occurs over a period of time.

Elongation - This is the amount of stretch in the strap as force or tension is applied. Elongation is generally expressed in the working range (40-60% of the ultimate break strength).

Elongation Recovery - This is the strap’s ability to recover to its original state after tensioning.

Embossing - Embossing is the textured pattern applied to most machine-direction oriented polypropylene strapping in the manufacturing process. A properly designed and applied embossing pattern will enhance split resistance, improve stiffness characteristics, and increase joint efficiency.

Hand Grade Strapping - Hand grade product is designed to be applied by hand, with manual, battery powered or pneumatic tools.

Joint Efficiency - The total usable strength of strap is only as strong as the joint holding the two ends together. The “joint efficiency” is expressed as a percentage of the total breaking strength of the strap.

Machine Grade Strapping - Machine grade strapping is polypropylene or polyester designed to run through full track, arch machines.

Retained Tension - Retained tension is the strap’s ability to retain its initial tension level after the passage of time. Of all non-metallic, strap polyester will have the highest retained tension, when properly applied.

Semi Automatic Strap - This is a cost efficient strap designed for archless machines. It lacks the stiffness required for full track machines but is an excellent alternative for semi automatics.

Shock Resistance - This is the strap’s ability to stretch and return to its original state without breaking when subjected to sudden impact.

Split Resistance - The strap’s ability to withstand lateral tears.

Thickness - Because of its embossing pattern, strap thickness is a relatively nebulous measurement. A standard ½” machine grade strap can be embossed to a thickness of anywhere between .014 and .030, depending on how deep the embossing pattern is. In an overly embossed strap, the thickness measurement will be greater, and the break strength will be lower.

Specifying By Break Strength

The following general formulas will yield a starting point for how much break strength is needed to strap a product, depending on the application. Ratios apply to total strap break strength, so the required tensile strength must be divided by the number of straps to be applied. In addition, strapping requirements are influenced by many other factors besides weight. The intended use of the strap, handling characteristics, and load characteristics must be factored into the specification. Consequently, packages traveling long distances under adverse conditions will require extra protection.

Carton Reinforcement - A 3 to 1 ratio of total strap break strength to package weight is a good guideline for reinforcement applications.

Palletized Cases - Use the following formula to determine strap break strength on palletized loads:

$$\frac{\text{Pallet Weight} \times 1.5}{\text{\# of Straps}} = \text{Required Tensile Strength}$$

Unitizing and Bundling - In this application the strap is the package. In order to protect against failure use a 5 to 1 ratio of strap break strength to package weight.

PLASTIC STRAPPING GUIDE

Application Chart

STRAP TYPE	APPLIED BY	CLOSURE USED	LOAD CHARACTERISTICS	TYPICAL APPLICATIONS
POLYPROPYLENE				
Standard Hand Grade	Hand Manual Tools Power Tools	Buckles Buckles/Seals Friction Weld	Compressible Expandable	Palletizing, Lightweight Package Reinforcement
Low Elongation	Manual Tools Semi Auto/Arch Machines	Seals/ Friction Weld Heat Welds	Rigid Expanding	As a Substitute for Steel or Polyester
Semi Automatic Machine Grade	Semi Automatic Machines	Heat Seal	Compressible Expanding	Bundling Carton Closing Carton Reinforcement UPS Unitizing
Machine Grade	Automatic Machines	Heat Seal Friction Weld	Compressible Expanding	Similar to Semi-Automatic with Higher Volumes
POLYESTER				
Hand Grade	Manual Tools Power Tools	Seals Friction Weld	Rigid	Heavy Duty Palletizing, As a Substitute for Steel
Machine Grade	Automatic Machines Fully Automatic Strapping Systems	Friction Weld Heat Welds	Rigid	Fine Paper Beverage Cans/Bottles Brick/Blocks Lumber/Timber
CORD				
Polyester Cord	Hand Manual Tools	Tied/Buckles Buckle/Seals	Combination	Agricultural Building Trades Boat Industry
Rayon Cord	Hand Manual Tools	Tied/Buckles Buckle/Seals	-	Tying Applications
STEEL				
Manually Applied Steel**	Manual Tools Power Tools	Seals Sealless Joints	Rigid	Steel Service Centers, Heated Product, Product with Sharp Edges

**Polyester and steel strap are frequently recommended on compressible loads where the loads cannot be allowed to return to their pre-compression dimensions.

PLASTIC STRAPPING

The PAC commitment to manufacturing quality plastic strapping begins with the finest production equipment available in the industry. We set rigid quality control standards and utilize the best raw materials available. Most importantly, our experienced manufacturing team maintains a relentless commitment to manufacturing the finest product in the world. The result is a consistent, quality product that you can depend on every time you order. In addition to the stock sizes listed below, we can manufacture special sizes, colors, and products. If you have a requirement for a product not listed, please contact customer service or your sales representative for minimums, pricing, and availability.

Standard Hand Grade Polypropylene

PRODUCT CODE	COIL WIDTH (inches)	COLOR	NOMINAL THICKNESS (inches)	COIL LENGTH (ft/coil)	NOMINAL BREAK STRENGTH	CORE SIZE	SHIPPING WT. PER COIL	COILS PER PALLET	SHIPPING WT. PER PALLET
48H.30.0190*	1/2"	Black	0.018	9,000	300	16x6	20	24	522
48H.30.2190*	1/2"	Black	0.018	9,000	300	8x8	19	24	489
48H.30.1145	1/2"	Black	0.018	4,500	300	16x3	10	48	522
48H.40.0190*	1/2"	Black	0.022	9,000	400	16x6	25	24	642
48H.40.2190	1/2"	Black	0.022	9,000	400	8x8	24	24	609
48H.40.1145	1/2"	Black	0.022	4,500	400	16x3	12	48	618
48H.50.0172*	1/2"	Black	0.026	7,200	500	16x6	24	24	618
48H.50.2172*	1/2"	Black	0.026	7,200	500	8x8	23	24	585
48H.50.1136	1/2"	Black	0.026	3,600	500	16x3	12	48	618
48H.60.0166	1/2"	Black	0.030	6,600	600	16x6	27	24	690
48H.60.0172*	1/2"	Black	0.030	7,200	600	16x6	29	24	738
48H.60.2172	1/2"	Black	0.030	7,200	600	8x8	28	24	705
48H.60.1136	1/2"	Black	0.030	3,600	600	16x3	15	48	762
48H.75.0155*	1/2"	Black	0.037	5,575	750	16x6	34	24	858
58H.80.0154*	5/8"	Black	0.030	5,400	800	16x6	33	24	834
58H.80.2154	5/8"	Black	0.030	5,400	800	8x8	32	24	801
58H.80.1127	5/8"	Black	0.030	2,700	800	16x3	17	48	858
58H.10.0135	5/8"	Black	0.032	3,500	1000	16x6	27	24	690
58H.10.1122*	5/8"	Black	0.032	2,200	1000	16x3	17	48	858
68H.10.0145	3/4"	Black	0.033	4,500	1000	16x6	35	24	882
68H.10.2145	3/4"	Black	0.033	4,500	1000	8x8	33	24	825

PACKAGING: 8x8 AND 16x6 COILS ARE PACKAGED 1 COIL PER CARTON, 16x3 COILS ARE PACKAGED 2 COILS PER CARTON. ALL PRODUCTS ARE 24 CARTONS PER PALLET.

IN ADDITION TO THE STOCK SIZES, WE CAN MANUFACTURE SPECIAL SIZES, COLORS, AND PRODUCTS. IF YOU HAVE A REQUIREMENT FOR A PRODUCT NOT LISTED, PLEASE CONTACT CUSTOMER SERVICE OR YOUR SALES REPRESENTATIVE FOR MINIMUMS, PRICING AND AVAILABILITY.

Hand Grade Low Elongation Polypropylene

PRODUCT CODE	COIL WIDTH (inches)	COLOR	NOMINAL THICKNESS (inches)	COIL LENGTH (ft/coil)	NOMINAL BREAK STRENGTH	CORE SIZE	SHIPPING WT. PER COIL	COILS PER PALLET	SHIPPING WT. PER PALLET
12HL.80.0766	1/2"	Silver		6,600	800	16x6	35	24	882
58HL.10.0751	5/8"	Silver		5,100	1025	16x6	38	24	954
58HL.12.0740	5/8"	Silver		4,000	1250	16x6	35	24	882

PLASTIC STRAPPING

Standard Machine Grade Polypropylene

PRODUCT CODE	WIDTH	COLOR	NOMINAL THICKNESS (inches)	COIL LENGTH (ft/coil)	NOMINAL BREAK STRENGTH	CORE SIZE	SHIPPING WT. PER COIL	COILS PER PALLET	SHIPPING WT. PER PALLET
28M.20.2218*	1/4"-6MM	White	0.024	18,000	200	8x8	29	24	729
28M.20.2318	1/4"-6MM	Clear	0.024	18,000	200	8x8	29	24	729
28M.20.2418	1/4"-6MM	Yellow	0.024	18,000	200	8x8	29	24	729
28M.20.3218	1/4"-6MM	White	0.024	18,000	200	9x8	29	24	729
28M.20.3318	1/4"-6MM	Clear	0.024	18,000	200	9x8	29	24	729
28M.20.3418	1/4"-6MM	Yellow	0.024	18,000	200	9x8	29	24	729
38M.25.2212*	3/8"-9MM	White	0.021	12,900	250	8x8	28	24	705
38M.25.2312	3/8"-9MM	Clear	0.021	12,900	250	8x8	28	24	705
38M.25.2412	3/8"-9MM	Yellow	0.021	12,900	250	8x8	28	24	705
38M.25.3112	3/8"-9MM	Black	0.021	12,900	250	9x8	28	24	705
38M.25.3212	3/8"-9MM	White	0.021	12,900	250	9x8	28	24	705
38M.25.3312	3/8"-9MM	Clear	0.021	12,900	250	9x8	28	24	705
38M.25.3412	3/8"-9MM	Yellow	0.021	12,900	250	9x8	28	24	705
38M.25 STRAPS ARE DESIGNED FOR SMALL ARCH MACHINES (MAXIMUM 96" TOTAL CIRCUMFERENCE) OR SEMI AUTOMATIC MACHINES									
38M.30.2112	3/8"-9MM	Black	0.022	12,900	300	8x8	30	24	753
38M.30.2212*	3/8"-9MM	White	0.022	12,900	300	8x8	30	24	753
38M.30.2312	3/8"-9MM	Clear	0.022	12,900	300	8x8	30	24	753
38M.30.2412	3/8"-9MM	Yellow	0.022	12,900	300	8x8	30	24	753
38M.30.3112	3/8"-9MM	Black	0.022	12,900	300	9x8	30	24	753
38M.30.3212*	3/8"-9MM	White	0.022	12,900	300	9x8	30	24	753
38M.30.3312	3/8"-9MM	Clear	0.022	12,900	300	9x8	30	24	753
38M.30.3412	3/8"-9MM	Yellow	0.022	12,900	300	9x8	30	24	753
38M.40.0187	3/8"-9MM	Black	0.028	8,700	400	16x6	28	24	714
38M.40.0287	3/8"-9MM	White	0.028	8,700	400	16x6	28	24	714
48M.27.2190	1/2"-12MM	Black	0.022	9,000	275	8x8	19	24	489
48M.27.2290*	1/2"-12MM	White	0.022	9,000	275	8x8	19	24	489
48M.27.2390	1/2"-12MM	Clear	0.022	9,000	275	8x8	19	24	489
48M.27.2490	1/2"-12MM	Yellow	0.022	9,000	275	8x8	19	24	489
48M.27.3190	1/2"-12MM	Black	0.022	9,000	275	9x8	19	24	489
48M.27.3290	1/2"-12MM	White	0.022	9,000	275	9x8	19	24	489
48M.27.3390	1/2"-12MM	Clear	0.022	9,000	275	9x8	19	24	489
48M.27.3490	1/2"-12MM	Yellow	0.022	9,000	275	9x8	19	24	489

48M.27 STRAPS ARE ACCEPTABLE FOR SEMI AUTOMATIC MACHINES AND SMALL ARCH MACHINES (96" TOTAL CIRCUMFERENCE OR LESS)

*SOME ITEMS MAY HAVE A MINIMUM QUANTITY ORDER. PLEASE CHECK WITH CUSTOMER SERVICE FOR DETAILS

PLASTIC STRAPPING

Standard Machine Grade Polypropylene cont.

PRODUCT CODE	WIDTH	COLOR	NOMINAL THICKNESS (inches)	COIL LENGTH (ft/coil)	NOMINAL BREAK STRENGTH	CORE SIZE	SHIPPING WT. PER COIL	COILS PER PALLET	SHIPPING WT. PER PALLET
48M.32.2199	1/2"-12MM	Black	0.024	9,900	325	8x8	28	24	705
48M.32.2299*	1/2"-12MM	White	0.024	9,900	325	8x8	28	24	705
48M.32.2399	1/2"-12MM	Clear	0.024	9,900	325	8x8	28	24	705
48M.32.2499	1/2"-12MM	Yellow	0.024	9,900	325	8x8	28	24	705
48M.32.3199	1/2"-12MM	Black	0.024	9,900	325	9x8	28	24	705
48M.32.3299*	1/2"-12MM	White	0.024	9,900	325	9x8	28	24	705
48M.32.3399	1/2"-12MM	Clear	0.024	9,900	325	9x8	28	24	705
48M.32.3499	1/2"-12MM	Yellow	0.024	9,900	325	9x8	28	24	705
48M.50.2272*	1/2"	White	0.028	7,200	500	8x8	23	24	585
48M.50.3272	1/2"	White	0.028	7,200	500	9x8	23	24	585
48M.50.3372	1/2"	Clear	0.028	7,200	500	9x8	23	24	585
48M.50.3472	1/2"	Yellow	0.028	7,200	500	9x8	23	24	585
48M.50.3166	1/2"	Black	0.028	6,600	500	9x8	25	24	633
48M.50.0166	1/2"	Black	0.028	6,600	500	16x6	26	24	666
48M.50.0266	1/2"	White	0.028	6,600	500	16x6	22	24	570
48M.50.0466	1/2"	Yellow	0.028	6,600	500	16x6	22	24	570
48M.60.2160	1/2"	Black	0.030	6,000	600	8x8	27	24	681
48M.60.3160	1/2"	Black	0.030	6,000	600	9x8	28	24	705
48M.60.0160	1/2"	Black	0.030	6,000	600	16x6	28	24	714
48M.60.0260	1/2"	White	0.030	6,000	600	16x6	25	24	642
48M.60.0360	1/2"	Clear	0.030	6,000	600	16x6	25	24	642
48M.60.0460	1/2"	Yellow	0.030	6,000	600	16x6	25	24	642

PACKAGING: COILS ARE PACKAGED 1 COIL PER CARTON, 24 CARTONS PER PALLET.

Machine Grade Low Elongation Polypropylene (Full Pallets Only)

PRODUCT CODE	WIDTH	COLOR	COIL LENGTH (ft/coil)	NOMINAL BREAK STRENGTH	CORE SIZE	SHIPPING WT. PER COIL	COILS PER PALLET	SHIPPING WT. PER PALLET
12ML.50.0280	12MM	White	8,000	500	16X6	27	24	690
12ML.60.2270	12MM	White	7,000	600	8X8	27	24	681
12ML.60.0264	12MM	White	6,400	600	16X6	25	24	642
12ML.60.0272	12MM	White	7,200	600	16X6	29	24	738
12ML.60.J100B	12MM	White	10,000	600	16X7.5	37	20	782
12ML.70.0266	12MM	White	6,600	700	16X6	32	24	810
12ML.70.0272	12MM	White	7,200	700	16X6	35	24	882
12ML.80.0266	12MM	White	6,600	800	16X6	36	24	906
15ML.50.0270	15MM	White	7,000	500	16X6	26	24	666
15ML.70.0266	15MM	White	6,600	700	16X6	32	24	810

*SOME ITEMS MAY HAVE A MINIMUM QUANTITY ORDER. PLEASE CHECK WITH CUSTOMER SERVICE FOR DETAILS

PLASTIC STRAPPING

Machine Grade Strap for Interlake (Samuel) Machines

PRODUCT CODE	COMP CODE	WIDTH	COLOR	NOMINAL THICKNESS (inches)	COIL LENGTH (ft/coil)	NOMINAL BREAK STRENGTH	CORE SIZE	SHIPPING WT. PER COIL	COILS PER PALLET	SHIPPING WT. PER PALLET
48M.50.0282	418	1/2"	White	0.028	8,200	500	16x6	27	24	690
48M.65.0172	420LC	1/2"	Black	0.033	7,200	650	16x6	37	24	930
48M.65.0472	420LC	1/2"	Yellow	0.033	7,200	650	16x6	37	24	930

PACKAGING: COILS ARE PACKAGED 1 COIL PER CARTON, 24 COILS PER PALLET.

Machine Grade Strap for Mosca/Eam Machines

PRODUCT CODE	COMP CODE	WIDTH	COLOR	NOMINAL THICKNESS (inches)	COIL LENGTH (ft/coil)	NOMINAL BREAK STRENGTH	CORE SIZE	SHIPPING WT. PER COIL	COILS PER PALLET	SHIPPING WT. PER PALLET
5MM.12.6224	L504W	5MM	White	0.018	24,000	120	8x7	26	24	657
5MM.14.6223	L505W	5MM	White	0.018	23,000	140	8x7	26	24	657
5MM.14.6323S		5MM	Clear	0.018	23,000	140	8x7	26	24	657
5MM.12.6324		5MM	Clear	0.018	24,000	120	8x7	26	24	668
5MM.14.2223		5MM	White	0.018	23,000	140	8x8	29	24	696

PACKAGING: COILS ARE PACKAGED 1 COIL PER CARTON, 24 COILS PER PALLET.

Bucklestraps

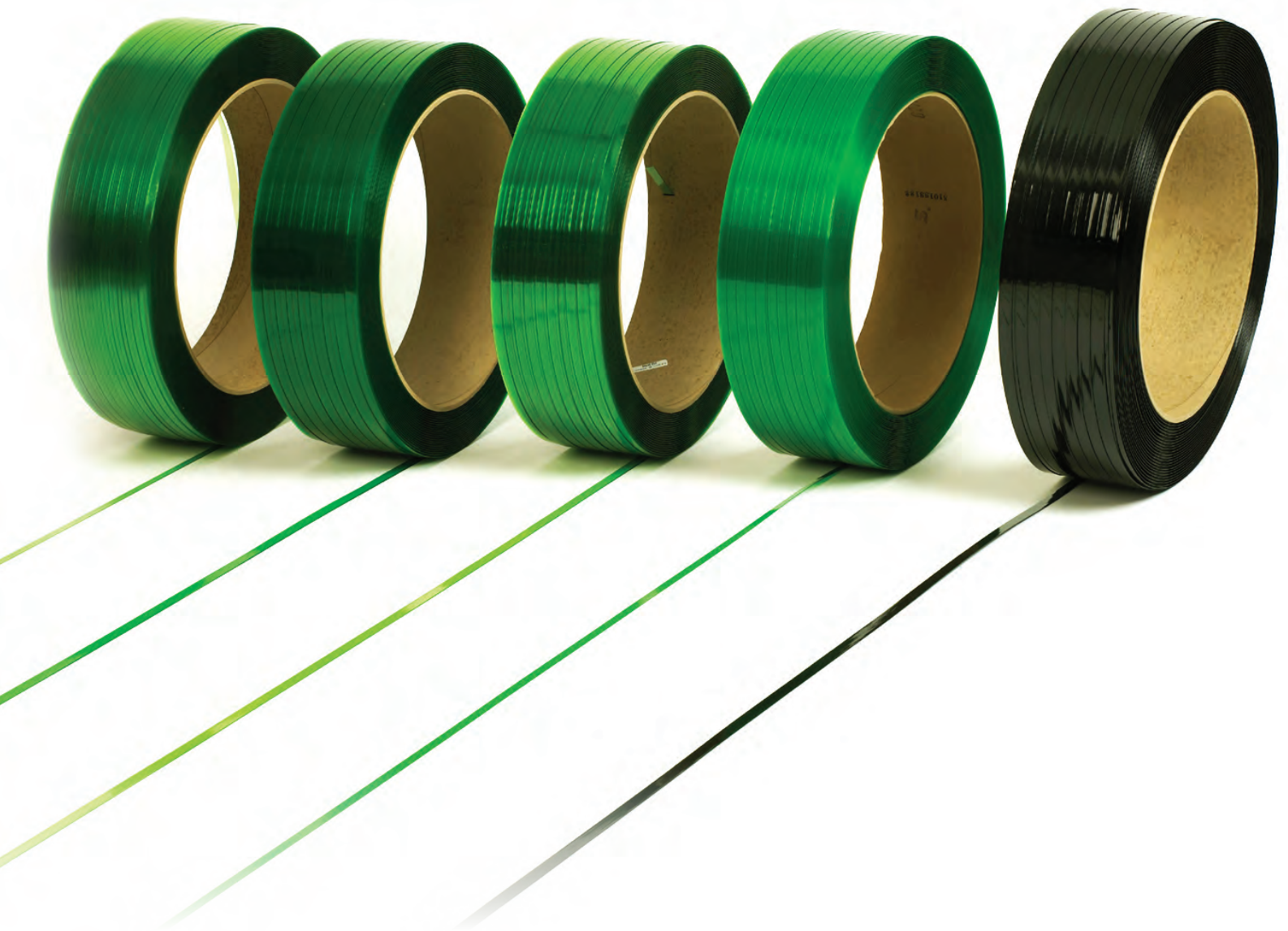
ITEM NO.	DESCRIPTION	COLOR	AVERAGE LENGTH (feet)	NOMINAL BREAK STRENGTH	CORE SIZE	PIECES PER CARTON	SHIPPING WT. PER CARTON	CARTONS PER PALLET
BKS1217	Pre cut 17'/ wire buckle	Black	17	300	Individually Wound	500	27	20/cases
BKS Plastic W	Pre cut 17'/ plastic buckle	White	17	300	Individually Wound	500	24	50/cases

Custom length and break strength bucklestraps are available, subject to certain minimum orders. Please contact your Territory Manager.

*SOME ITEMS MAY HAVE A MINIMUM QUANTITY ORDER. PLEASE CHECK WITH CUSTOMER SERVICE FOR DETAILS

High Performance Polyester Strapping

Quality Products & Consistent Performance that are a Cost-Effective Solution to your Strapping Requirements



PAC Strapping High Performance polyester strapping is engineered to provide you with a consistent, high quality product for your toughest strapping applications. Utilizing the latest in technology, our experienced manufacturing team sets rigid quality standards, and maintains a relentless commitment to producing a range of polyester strap that consistently performs in the most demanding applications.

The PAC High Performance Polyester Advantage

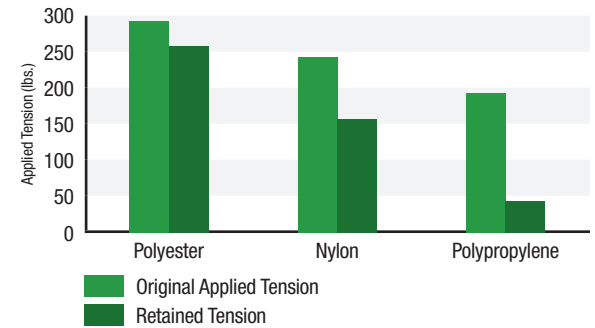
Unlike alternative strapping products, PAC polyester combines the strength of steel strapping with the safety and economy of plastic to maximize performance. The result is a more secure load at a lower cost than many alternatives.

Some of the many advantages of PAC polyester over alternative products are:

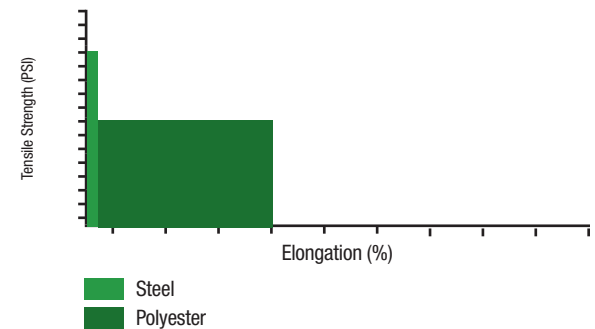
- **Split Resistance** - A small nick or cut will not propagate across the width of the strap.
- **High Retained Tension** - The high tension capability of PAC high performance polyester allows it to be applied tight. Once it's on your load, it stays tight... 50% tighter than nylon, and up to five times tighter than polypropylene.
- **Elongation Recovery** - Applied properly, PAC high performance polyester will stretch under tension. However, most of the elongation is recovered after the initial application. The result is a strap that stays tight even when loads are shrinking and settling during transit.
- **Environmentally Sound** - PAC polyester is easy to recycle and nearly impervious to weather conditions.
- **Not just a "cheaper" alternative to steel** - For many applications, it's a better solution. Historically, steel strapping has been the preferred choice for certain types of loads. PAC high performance polyester is now a better alternative for many of these applications. Unlike steel, PAC polyester has "shock reserve" which allows the strap to compensate for stresses during transit and recover so it stays secure. PAC's high performance polyester has several other advantages over steel strapping.

- **Safety** - Not only is the danger of recoil injuries greatly reduced, PET coils weigh about half the weight of steel coils reducing potential lifting injuries.
- **Weather Resistant** - Unlike steel, PET won't rust. It is virtually unaffected by weather conditions and is naturally UV resistant.
- **Recyclable** - Easy to recycle, PAC polyester can be cut into small pieces and accumulated for recycling.
- **Cost Savings** - Typical steel applications that can be converted to PAC High Performance Polyester can yield savings of 25-50% over steel costs. Additional savings are frequently realized in labor and other costs associated with using steel strap. Paybacks on equipment and tooling can be quick and the resulting return on investment considerable.

Retained Tension After 5 Days at 70 Degrees Fahrenheit



Shock Reserve Graph Steel vs. Polyester Strapping



Strapping Comparison Chart

	POLYPROPYLENE	PAC HIGH PERFORMANCE POLYESTER	STEEL
BREAK STRENGTH	Moderate	High	Highest
WORKING RANGE	Lowest	High	Highest
RETAINED TENSION	Fair	Good	Highest
ELONGATION RECOVERY	High	Good	Negligible
HEAT RESISTANCE	Fair	Good	Excellent
HUMIDITY RESISTANCE	High	High	High*
EASE OF DISPOSAL	Excellent	Excellent	Fair

*Except for rusting

Application Methods

PAC High Performance Polyester can be applied several different ways using a variety of tools and systems, all available from PAC Strapping Products, Inc.

BT2450



P329



Powered Tools — Battery

TOOL #	POWER	STRAP SIZE	MAXIMUM TENSION
BT2450	Battery	1/2"-5/8" to .040"	550 lbs.
BT3920	Battery	5/8"-3/4" to .050"	880 lbs.
P328	Battery	to 5/8" x .040"	540 lbs.
P329	Battery	5/8"-3/4" to .050"	800 lbs.
P331	Battery	3/4"-1" to .060"	1350 lbs.

Power Tool — Battery and Pneumatic

Power tools are a cost effective method of application for both higher volume and higher tension requirements. They carry several distinct advantages, including high seal joint efficiencies, consistent tensions, and the cost savings associated with a friction weld vs. a mechanical seal.

P357



P358



Powered Tools — Pneumatic

TOOL #	POWER	STRAP SIZE	MAXIMUM TENSION
P357	Pneumatic	1/2" to 5/8" x .040"	562 lbs.
P358	Pneumatic	5/8" to 3/4" x .050"	900 lbs.
P359	Pneumatic	3/4" to 1/4" x .000"	1570 lbs.

Manual Tools

For lower volume applications, a manual tensioner and sealer using a special serrated seal to maximize joint efficiency are a cost effective solution.

PST-HD



HD34



SPE SERIES



SJ SERIES



SPE68HD-SA

Manual Tensioners (Windlass)

TOOL #	STRAP SIZE
PST-PET	to 5/8" X .040"
PST-HD	to 5/8" X .040"
HD34	to 3/4" x .050"
TX-114	to 1" x .050"

PST-PET



TX-114



Manual Sealers

TOOL #	STRAP SIZE
ES48SJ	1/2" to .030"
ES58SJ	5/8" to .030"
ES58SJ-HD	5/8" .030"-.040"
SPE48	Symmetrical to 1/2" x .030"
SPE58	Symmetrical to 5/8" x .040"
SPE68	Symmetrical to 3/4" x .050"
SPE68 HD	Symmetrical to 3/4" x .050-20" Handles

Manual Combination Tools

TOOL #	STRAP SIZE
PAC400HD	1/2" to .030"
PAC500HD	5/8" to .035"

Seals

TOOL #	STRAP SIZE	SEAL TYPE
HSS-4	1/2"	Serrated
HSS-5	5/8"	Serrated
HSS-6	3/4"	Serrated

PAC400HD-
PAC500HD



Automatic Strapping Machines and Systems

For high volume applications, PAC can provide a range of solutions from stand alone strappers to complete systems for pallet conveying, wrapping, and strapping. Our systems specialists can handle every aspect of your system application: design, build, installation, and maintenance.



APPLICATION TIPS POLYESTER STRAPPING

For maximum performance, polyester strap should be tensioned to the working range (50 - 70% of break strength).

Be careful not to over-specify polyester strap. Higher residual tension is often possible by applying PET at a higher tension, not a heavier strap.

GENERAL PURPOSE STOCK POLYESTER STRAPPING

ITEM NO.	WIDTH	LENGTH	THICKNESS	NOMINAL BREAK	CORE	COLOR	SURFACE	FINISH	PACKAGING	SHIPPING WEIGHT-COIL	SHIPPING WEIGHT-PALLET
GENERAL PURPOSE STOCK POLYESTER STRAPPING											
3820426G12EB	3/8"	12,500	0.020	425	16X6	Green	Smooth	Dry	Bulk	57	1608
4818506G105W	1/2"	10,500	0.018	500	16X6	Green	Smooth	Waxed	Boxed	57	1584
4820506G105EB	1/2"	10,500	0.020	500	16X6	Green	Embossed	Dry	Bulk	55	1528
4820606B72	1/2"	7,200	0.020	600	16X6	Black	Smooth	Dry	Boxed	45	1259
4820606G72	1/2"	7,200	0.020	600	16X6	Green	Smooth	Dry	Boxed	45	1259
4821606G90W	1/2"	9,000	0.021	600	16X6	Green	Smooth	Waxed	Boxed	56	1576
4823606G90EB	1/2"	9,000	0.023	600	16X6	Green	Embossed	Dry	Bulk	53	1477
4825776B58	1/2"	5,800	0.025	775	16X6	Black	Smooth	Dry	Boxed	44	1237
4825776G58	1/2"	5,800	0.025	775	16X6	Green	Smooth	Dry	Boxed	44	1237
4828826G65W	1/2"	6,500	0.028	820	16X6	Green	Smooth	Waxed	Boxed	56	1556
5825906B44	5/8"	4,400	0.025	900	16X6	Black	Smooth	Dry	Boxed	45	1247
5830116G36W	5/8"	3,600	0.030	1100	16X6	Green	Smooth	Waxed	Boxed	42	1185
5830116G46WB	5/8"	4,600	0.030	1100	16X6	Green	Smooth	Waxed	Bulk	50	1413
5830116G49EWB	5/8"	4,900	0.030	1100	16X6	Green	Embossed	Waxed	Bulk	53	1470
5835146B40W	5/8"	4,000	0.035	1400	16X6	Black	Smooth	Waxed	Boxed	54	1524
5835146G40EW-AAR	5/8"	4,000	0.035	1400	16X6	Green	Embossed	Waxed	Boxed	52	1449
5835146G40EWB-AAR	5/8"	4,000	0.035	1400	16X6	Green	Embossed	Waxed	Bulk	50	1393
5835146G40W	5/8"	4,000	0.035	1400	16X6	Green	Smooth	Waxed	Boxed	54	1524
5835146G40W-AAR	5/8"	4,000	0.035	1400	16X6	Green	Smooth	Waxed	Boxed	54	1524
5835146G40WB-AAR	5/8"	4,000	0.035	1400	16X6	Green	Smooth	Waxed	Bulk	50	1398
5840166G40W-AAR	5/8"	4,000	0.040	1600	16X6	Green	Smooth	Waxed	Boxed	63	1757
6840196G30EWB-AAR	3/4"	3,000	0.040	1900	16X6	Green	Embossed	Waxed	Bulk	47	1303
6840196G30W-AAR	3/4"	3,000	0.040	1900	16X6	Green	Smooth	Waxed	Boxed	55	1528
6850256G24W-AAR	3/4"	2,400	0.050	2500	16X6	Green	Smooth	Waxed	Boxed	57	1589
8850306B18WB-AAR	1"	1,800	0.050	3000	16X6	Black	Smooth	Waxed	Bulk	53	1477

Other grades are available at certain MOQs per product, including Polyester on 16x3 cores. Contact your local PAC Strapping Representative for more information.

Polyester Cord Strapping and Accessories

Quality Products & Consistent Performance that are a Cost-Effective Solution to your Strapping Requirements



PAC Strapping Products, Inc., known for providing quality strapping products for almost 40 years now, is now manufacturing a broad range of polyester cord strapping products.

PAC's Polyester Cord is available in a range of sizes and types to handle your toughest cord applications. PAC can supply you with woven material in both regular duty and heavy duty, along with a broad range of composite polyester cord strapping

In addition to several types and sizes of polyester cord, PAC has a broad range of wire buckles in several different finishes and gauges, along with a broad selection of strapping tools specifically designed for your cord applications.

PAC Polyester Cord vs. Steel Strapping

PAC Cord offers several advantages over steel strapping:

- **Easy to apply** — PAC Cord can be manually applied with a wired buckle and hand tensioner. Complex, high maintenance tools are not required.
- **Easy to re-tension** — PAC Cord stays tight on application. When loads settle, re-tensioning is simple.
- **Safety** — Eliminates cutting injuries, minimizes spring back when cut, and weighs 75% less than steel. Back injuries from handling 100 pound coils are virtually eliminated.
- **Rust free and UV Resistant** — PAC Cord holds up well for outside storage applications.
- **Cost Effective** — Comparable product costs less than steel strapping.
- **The "Composite Solution"** — For pallet threading applications, composite's coating facilitates easy threading.

Polyester Cord Strapping

REGULAR DUTY CORD STRAPPING

	Item No.	Description	Color	Average Length (ft)	Normal Break Strength (lbs.)	Core Size	Coils Per Carton	Shipping Wt. Per Carton (lbs.)	Coils Per Pallet	Shipping Wt. Per Pallet (lbs.)
POLYESTER CORD STRAPPING, REGULAR DUTY WOVEN										
	20 CW-E	1/4" Woven Cord	White	7800	350	4"x6"	4	63	72	1170
	30 CW-E	3/8" Woven Cord	White	5250	525	4"x6"	4	64	72	1188
	P-40TCW	1/2" Woven Cord	White	1500	650	4"x6"	1	6	120	756
	40 CW-E	1/2" Woven Cord	White	3900	700	4"x6"	4	64	72	1188
	50 CW-E	5/8" Woven Cord	White	3000	850	4"x6"	4	58	72	1080
	60 CW-E	3/4" Woven Cord	White	2100	1050	4"x6"	4	53	72	990

Polyester Cord Strapping

HEAVY DUTY CORD STRAPPING

	Item No.	Description	Color	Average Length (ft)	Normal Break Strength (lbs.)	Core Size	Coils Per Carton	Shipping Wt. Per Carton (lbs.)	Coils Per Pallet	Shipping Wt. Per Pallet (lbs.)
POLYESTER CORD STRAPPING, HEAVY DUTY WOVEN										
	55W-HXD	5/8" HD Woven Polyester Cord	White	2000	1500	4"x6"	2	30	54	846
	55W-HD	5/8" HD Woven Polyester Cord	White Black Marker	2000	1200	4"x6"	2	28	54	792
	65W-HD	3/4" HD Woven Polyester Cord	White/ Green	1320	1830	4"x6"	1	13	72	1284
	65W-XHD24	3/4" HD Woven Polyester Cord	White/ Yellow	1650	2400	4"x6"	2	50	54	1386
	65W-HXD	3/4" HD Woven Polyester Cord	White/ Orange	1650	2700	4"x6"	2	49	54	1359
	65W-HD-250	3/4" HD Woven Polyester Cord	White/ Orange	250	2700	4"x6"	1	4	120	516
	45W0	1/2" HD Woven Polyester Cord	White	3624	1279	4"x6"	2	17	72	1224
	48W0	1/2" HD Woven Polyester Cord	White	3085	1528	4"x6"	2	17	72	1224
	85W	1" HD Woven Polyester Cord	White	2500	3100	4"x6"	1	44	54	2376
	125W-XHD	1 1/4" HD Woven Polyester Cord	White	820	4400	8"x8"	1	18	45	836
	150W-XHD	1 1/2" HD Woven Polyester Cord	White	656	7700	8"x8"	1	26	45	1216

COMPOSITE CORD STRAPPING

	Item No.	Description	Color	Average Length (ft)	Normal Break Strength (lbs.)	Core Size	Coils Per Carton	Shipping Wt. Per Carton (lbs.)	Coils Per Pallet	Shipping Wt. Per Pallet (lbs.)
	CC45-SC	1/2" HD Composite Cord Strap	White	3600	750	8"x8"	1	19	45	880
	CC55-SC	5/8" HD Composite Cord Strap	White	2000	1200	8"x8"	1	19	45	880
	CC65-SC	3/4" HD Composite Cord Strap	White	1670	1350	8"x8"	1	19	45	880
	CC85-SC	1" HD Composite Cord Strap	White	1500	1850	8"x8"	1	22	45	1015
	CC125-SC	1 1/4" HD Composite Cord Strap	White	770	3550	8"x8"	1	22	45	1015

Wire Buckles

	Product Code	Size	Wire Diameter (IN)	Packaging Pcs/Case	Shipping Weight Lbs./Case	Cases Per Pallet	Shipping Weight Per Pallet
REGULAR DUTY							
	B-3	3/8"	0.092	1000	10	100	1036
	B-4	1/2"	0.105	1000	14	100	1436
	HDB-4	1/2"	0.120	1000	18	100	1836
	HDB-4GAL	1/2"	0.120	1000	18	100	1836
	B-4L	1/2"	0.092	1000	11	100	1136
	B-5	5/8"	0.120	1000	20	100	2036
	HDB-5	5/8"	0.135	1000	22	100	2236
	B-6	3/4"	0.120	1000	23	100	2336
	HDB-6	3/4"	0.135	1000	30	100	3036

PLASTIC STRAPPING - CORD

Wire Buckles

	Product Code	Size	Wire Diameter (IN)	Packaging Pcs/Case	Shipping Weight Lbs./Case	Cases Per Pallet	Shipping Weight Per Pallet
EXTRA HEAVY DUTY PHOSPHATE COATED FOR HD POLYESTER CORD							
	XHDB-6 PHOS	3/4"	0.160	1000	43	48	2100
	XHDB-125 PHOS	1 1/4"	0.240	250	37	48	1812
	XHDB-150 PHOS	1 1/2"	0.275	150	44	48	2148
HEAVY DUTY GALVANIZED FOR HD PET COMPOSITE CORD							
	XHDB-5-GALV	5/8"	0.140	1000	27	80	2148
	XHDB-6-GALV	3/4"	0.160	1000	38	60	2320
	XHDB-8-GALV	1"	0.200	500	41	48	2000
	XHDB-125-GALV	1 1/4"	0.275	250	48	48	2306

Tools & Dispensers for Cord Strapping

	Product Code	Strap Size	Strap Type	Application	Shipping Weight (lbs.)
MANUAL TENSIONERS FOR CORD STRAPPING					
	HBT-CORD	to 1/2"	Polyester Cord	Bar Type	2
	PST-CORD	to 3/4"	Polyester Cord	General Use - All Cord	3
	TX-114	to 1 1/2"	Polyester Cord	Heavy Duty Polyester Cord	7
	PSTRB-HD	to 1 1/2"	Polyester Cord	Round/Irregular Bundles	7

	Product Code	Core Sizes (ID)	Strap Type	Application	Shipping Weight (lbs.)
DISPENSERS FOR CORD STRAPPING					
	DSP Economy Cord	3", 4"	Polyester Cord	Light Duty, Stationery with buckle/tool tray	11
	DSP Cord	3", 4"	Polyester Cord	Regular Duty w/tool tray and 6" plastic wheels	28
	DSP STD	8"	Composite Cord	Regular Duty w/brake, tool tray and 6" wheels	48
	DSP Cord RW	3"	Ribbon Wound	Regular Duty, tool tray and 10" wheels	48

	Product Code	Kit Type	Contents	Shipping Weight (lbs.)
CORD STRAPPING KITS				

	Cord Kit	Polyester Cord Kit	250' of 3/4" 65WX-250 HD Phosphate Buckles PST-Cord Tensioner Reusable Tool/Dispenser Box Instructions	14
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STEEL STRAPPING

All PAC steel strapping conforms to ASTM specification D3953-12. PAC steel strapping is consistent in width, gauge, and finish. Published break strengths are average and meet, or exceed industry standards. PAC stocks both regular duty and high tensile at several locations. In addition to the stock sizes listed, we can also supply specialty products on request.

Regular Duty Steel Strapping

Regular duty steel strapping is manufactured from cold rolled steel. All PAC regular duty steel can be used in manual and pneumatic tools, as well as automatic steel strapping heads.

High Tensile Steel Strapping

High tensile steel strapping is manufactured from cold rolled steel and heat treated to maximize break strength and ductility. High tensile steel provides additional break strength and shock resistance for your toughest applications.

Stock Steel Strapping

PRODUCT	STRAP WIDTH (inches)	THICKNESS (inches)	AVERAGE BREAK (lbs)	YIELD (ft./lb.)	AVERAGE COIL WEIGHT (lbs.)	COILS PER PALLET
OSCILLATED WOUND, REGULAR DUTY STEEL						
1/2x.017SD-VS	1/2	.017	1000	34.60	100	12
1/2x.020ST-VS	1/2	.020	1180	29.42	100	12
1/2x.023ST-VS	1/2	.023	1350	25.58	100	12
5/8x.017SD-VS	5/8	.017	1260	27.70	100	12
5/8x.020ST-VS	5/8	.020	1470	23.53	100	12
5/8x.023ST-VS	5/8	.023	1690	20.46	100	12
3/4x.017SD-VS	3/4	.017	1485	23.10	100	12
3/4x.020ST-VS	3/4	.020	1765	19.61	100	12
3/4x.023ST-VS	3/4	.023	2025	17.05	100	12
OSCILLATED WOUND, HIGH TENSILE STEEL						
3/4x.025HT-VS	3/4	.025	2770	15.69	100	12
3/4x.029HT-VS	3/4	.029	3205	13.30	100	12
RIBBON WOUND, HIGH TENSILE STEEL						
11/4x.029HT-VS	11/4	.029	5530	8.11	100	20

*Standard finish on PAC steel strapping is black, painted and waxed. Alternative finishes are available on request.

**Steel strapping is sold by the coil in the full pallet quantities only.

STEEL STRAPPING

Portable Coils

Steel portable coils are used in a variety of applications where a full coil of steel is not needed or is not practical. All portable coils are ribbon wound in a self-dispensing carton.

PRODUCT	COIL LENGTH (feet)	STRAP WIDTH (inches)	STRAP THICKNESS (lbs.)	AVERAGE BREAK (ft./lb.)	WEIGHT (lbs.)
REGULAR DUTY PORTABLE COILS					
3/8x.015-300	300	3/8	.015	665	6
1/2x.015-300	300	1/2	.015	890	8
1/2x.017-300	300	1/2	.017	1000	9
1/2x.020 CP-PAC*	200	1/2	.020	1180	8
1/2x.020-300	300	1/2	.020	1180	10
1/2x.023-300	300	1/2	.023	1350	11
5/8x.017-300	300	5/8	.017	1260	11
5/8x.020 CP-PAC*	200	5/8	.020	1470	9
5/8x.020-300	300	5/8	.020	1470	13
5/8x.023-300	300	5/8	.023	1690	14
3/4x.017-300	300	3/4	.017	1485	13
3/4x.020 CP-PAC*	200	3/4	.020	1765	11
3/4x.020-300	300	3/4	.020	1765	15
3/4x.023-300	300	3/4	.023	2025	18
HIGH TENSILE PORTABLE COILS					
1/2x.020HT-300	300	1/2	.020	1485	10
5/8x.020HT-300	300	5/8	.020	1855	13
5/8x.023HT-300	300	5/8	.023	2130	14
3/4x.025HT-280	280	3/4	.025	2770	19
3/4x.029HT-200	200	3/4	.029	3205	22

*Replacement coils for PAC Steel Kits (SK Series)

Strapping Machines



Semi Automatic Strappers



Stainless Steel Strappers



Bottom Seal Strappers
Standard and Fully Automatic



Pallet Strappers



Side Seal Strappers
Standard and Fully Automatic

PSM1412-IC3A

A low cost solution to your strapping needs.

The PSM1412-IC3A is designed for general purpose semi automatic strapping. Although it is our lowest priced strapping machine, the low cost does not come at the expense of quality, consistency or reliability. Each PSM1412-IC3A comes with the exclusive PAC machine warranty, including on-line support for the life of the machine. We carry an extensive parts inventory and maintain over 99% parts availability within 24 hours. The PSM1412-IC3A has a convenient operators panel and externally controlled tension. In addition, all electronics are controlled with an integrated circuit control board to minimize down time and maintenance. Pricing on this unit is designed to expand the market to even the occasional user.

TECHNICAL SPECIFICATIONS

Dimensions:	35"L x 23"D x 30"H
Package Size:	Minimum - 3"W x 1"H Maximum - Unlimited
Weight:	190lbs.
Tension Range:	10 - 100 lbs.
Speed:	2.5 seconds per cycle
Strap Size:	3/8" - 1/2"
Core Size:	8x8 (additional 9x8 core is available)
Power Requirements:	110V, 50/60 Hz



OPTIONAL CONFIGURATIONS FOR YOUR PACKAGING NEEDS



PSM1412 IC3A-L



PSM1412 IC3A-C



PSM1412-SS

Impact™ Strapper

Uniquely designed to out perform traditional semi automatic strappers...

The impact semi automatic strapper utilizes state-of-the-art technology to give you a machine that is durable, reliable and affordable. The simplistic design of the Impact eliminates chains, belts and pulleys, dramatically reducing repair expenses and costly down time.

Standard features of the Impact Strapper Include:

- **Electronic Tension Control**
Consistent, exact tension, with a range of 17 to 100lbs.
- **Adjustable Welding Time**
Efficient seals, even under extremely high tension.
- **Direct Drive**
All drive belts, chains and pulleys are eliminated, reducing repair and maintenance costs.
- **24 Volt Power**
Unparalleled safety.
- **Unique Frame**
A full size, durable frame, which adjusts to your working height.

The Impact is also available with the following optional features:

- A digital readout for tension and feed setting
- A small package option
- A low tension option



TECHNICAL SPECIFICATIONS

Dimensions:	33.4"L x 22"D x 30.7"H to 37.4"H (adjustable)
Package Size:	Minimum - 3¼"W x 1¼"H 1¾"x1" (with small package option) Maximum - Unlimited
Weight:	155 lbs.
Tension Range:	17 - 100 lbs. 12 - 100 lbs. (with low tension option)
Speed:	2.5 seconds per cycle
Strap Size:	1/4", 5mm - 1/2", 13mm
Core Size:	8x8, 9x8
Power Requirements:	110V, 50/60 Hz

PSM1412-S-ST

An outstanding semi-automatic alternative for harsh environments

PAC Strapping Products features an excellent stainless steel strapper for harsh environments. This unit features a side mounted strapping head to allow moisture to drain through the table instead of through the strapping head. An adjustable strapping table is standard and allows the operator to strap a wide range of packages. This machine utilizes the proven strapping head perfected in our best selling PSM1412-IC3A.

Standard features of the PSM1412-SS3 include:

PSM1412-S-ST

- 302 stainless steel body
- Stainless steel head parts
- IP Standard 20
- Non wash down unit

The machine is constructed from 302 stainless steel and a number of rust resistance features are added to address harsh environments.

TECHNICAL SPECIFICATIONS

Dimensions:	26.5"W x 41"D x 64"H
Table Height:	15 to 27" (adjustable)
Package Size:	Minimum 3.25"W x 1.25"H
Max. Package Weight:	130 lbs.
Machine Weight:	250 lbs.
Tension:	10 - 100 lbs.
Cycle Speed:	2.5 seconds per cycle
Strap Size:	3/8" - 1/2"
Core Size:	8x8 (additional 9x8 core is available)
Power Requirements:	110V, Single phase 50/60 Hz



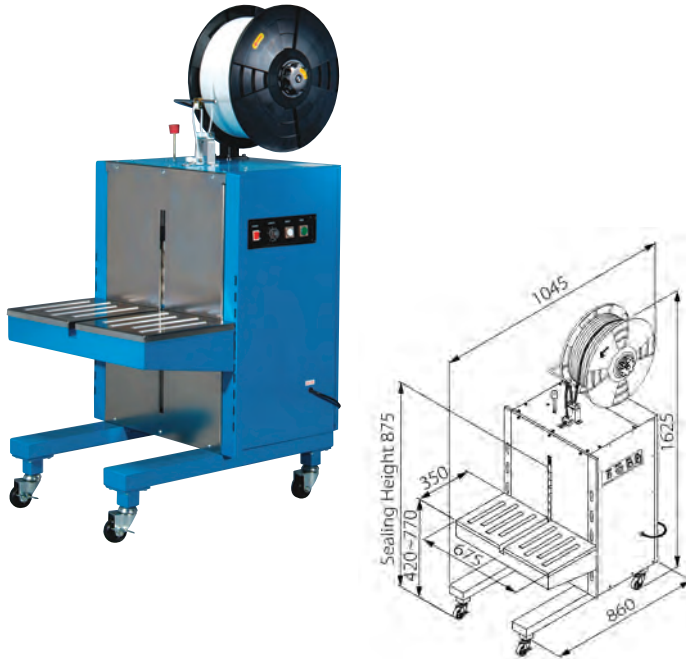
OPERATOR FRIENDLY CONTROL PANEL

STAINLESS STEEL STRAPPING MACHINERY

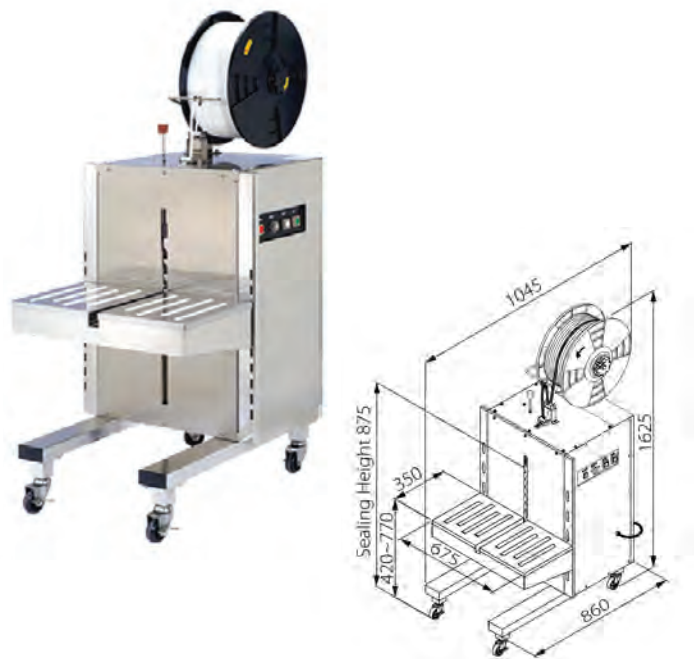
ECONOMY MACHINE PSM1412-SS / PSM1412-SS3

PSM1412-SS and PSM1412-SS3 are semi-auto side-seal strapping machines. They are using the same strapping head as 202 Mr. Reliable which is widely recognized on the market for more than 30 years. They can be used in a wide range of applications for dirty, moist, or harsh working environment, such as sawmill plants, brick & tile industries, poultry processing industries, etc. PSM1412-SS and PSM1412-SS3 offer the most economy solution.

PSM1412-SS Painted steel frame



PSM1412-SS3 Stainless steel frame SUS 304



Main Features

- Offer high reliability and performance
- Suitable for low volume applications
- Easy operation, simple maintenance
- Mechanical tension control
- Reliable P.C. Board control
- Energy efficient - motor only runs as needed
- Rigid castors with brake
- Proven quality
- Adjustable table height between 420 mm
- Rigid castors with brake
- Proven quality
- Adjustable table height between 420 mm and 770 mm

Option

- Adjustable cooling time (0-2 sec.)
- Selected parts in stainless steel (for PSM1412-SS3)

Technical Data

Strap Width	6 mm - 15.5 mm
Tension Range	15 - 45 kg
Weight	125 kg
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1 PH

Automatic Strapping Machines



AUTOMATED STRAPPING MACHINE MAINTENANCE

STRAPBLASTER® Technology – Automatic Strapping Machine Cleaning

PAC Strapping Products' latest innovation in strapping technology, STRAPBLASTER® Technology, is designed to address one of the most common pain points in strapping equipment: debris buildup.

This cutting-edge in-line air blast cleaning system revolutionizes the maintenance of automatic strapping machines, delivering unprecedented operational efficiency, reliability, and ease of use.

Air Blast Cleaning Process

Over time, dust and particles from strapping materials accumulate around critical components, leading to feed errors and equipment downtime. STRAPBLASTER® Technology utilizes a controlled burst of air after each strapping cycle to clean the sealing head and feed areas, ensuring optimal performance and significantly reducing maintenance needs.

Benefits of Strapping Machine Maintenance

STRAPBLASTER® Technology is designed with ease of use in mind. For operators, the automated air blasts ensure that critical areas remain free of debris, reducing the need for manual cleaning and minimizing machine downtime. This automated solution not only cuts maintenance time but also extends the lifespan of equipment by keeping components cleaner for longer. Additionally, STRAPBLASTER® Technology reduces overall maintenance costs by eliminating excessive wear caused by dirt buildup.

Proven Results

In a series of rigorous tests performed on an SM65-FA strapping machine, STRAPBLASTER® Technology achieved outstanding results. At 80 PSI, with a continuous air blast or a 0.5-second air burst after each cycle, the system reduced the rate of short-feed errors by over 80%, as compared to control tests with no air assistance. This improvement can potentially eliminate up to 3,000 feed errors over the lifetime of a typical strapping machine, translating to substantial cost savings and operational efficiency for users.

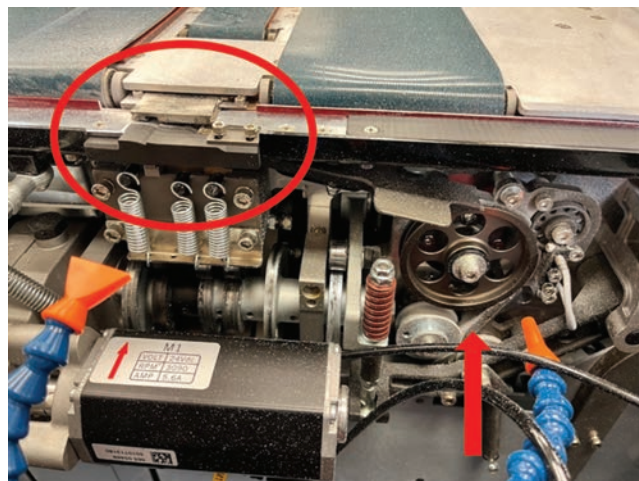
STRAPBLASTER® Technology Air Blast Cleaning Features

Customizability: STRAPBLASTER® Technology is highly customizable to fit a variety of machine models and sizes, with both manual and fully automatic options available.

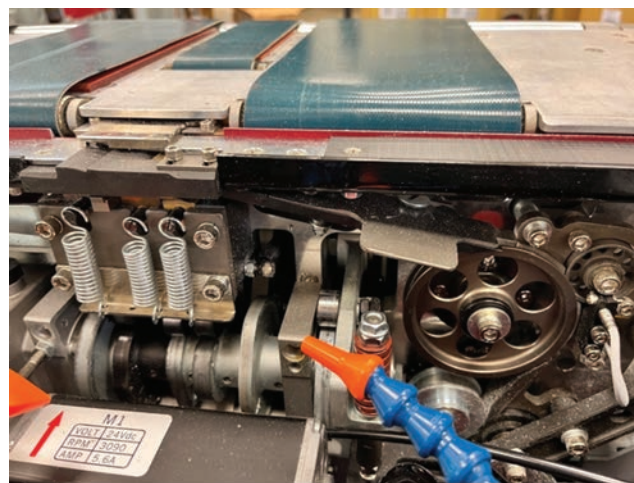
Automation: The automated system, which can be integrated with fully automatic machines like the SM60-FA and SM65-FA, includes a solenoid valve and advanced PLC control for seamless operation.

Air Pressure Adjustments: The air pressure can be fine-tuned to ensure that components remain clean without exceeding safe operating limits, protecting delicate machine parts while maintaining peak performance.

The STRAPBLASTER® Technology is a fast, cost effective, stainless, side seal unit, available as a stand-alone strapper or with an automated conveyor system.



Before test: Arrow indicates heavy buildup of strapping debris around the feed wheels. Circle highlights debris buildup on table covers and slide table that will get pulled into the cutting assembly.



After test: With constant air you can see a significant reduction in debris in the strapping guides and around the cutting tool area.

STRAPBLASTER® Technology is a registered trademark of PAC Strapping Products, Inc.

INNOVATIVE HIGH SPEED STRAPPING MACHINE

SM65 Series

SM65 is an innovative world-class high speed automatic strapping machine. It is suitable for 5 mm, 6 mm, 3/8 (9 mm), or 1/2 (12 mm) PP strapping. Equipping with all industry's standard features and creative user friendly designs, SM65 offers the most optimal performance, highest speed, easiest maintenance, and the most cost effective solution in its class.

SM65 - 5 mm, 6 mm, 3/8 (9 mm)



SM65 - 1/2 (12 mm)



Main Features



Robust and Compact Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. Without belts, clutches, and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Free Access to Strap Guides (patents registered)

Hinged top plate makes easy access to the strapping head for quick maintenance. Unblocking the guides enables free and quick access to strap guides without using any tools. The most maintenance friendly design.



Waist-High Auto Strap Feeding

Friendly design to feed the strap automatically from the upper side of the coil without the need to access to the bottom of the machine.



Waist-High Quick Coil Change (patents registered)

Innovative waist-high coil change without access to the bottom of the machine. Quick release lock eliminates downtime to change the coil. Ergonomic and quick change design makes coil change simpler than ever.

INNOVATIVE HIGH SPEED STRAPPING MACHINE

More Features

Sensor Controlled Heater

The fast heating mechanism is sensor controlled assuring consistent and high sealing efficiency.

Low Voltage

All DC motors and heater are "stepped down" to 24V to increase the safety of the machine.

Strap End Ejector

Eject the end of strap from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

Front Foot Bar Switch

Standard front foot bar switch makes machine operation in a very easy way. Ergonomic cycle initiation design and user friendly.

Dispenser Release Photo-eye Switch

Friendly design makes it easier to pull the strap from the strap dispenser for waist-high auto strap feeding.

Adjustable Table Height

The table height is adjustable to any height between 820 mm (32.2") and 920 mm (36.2").

Turnable Operating Control Panel

The turnable operating control panel with LCD display is located on upper side of the machine for easy access. It enables machine operation from both front and rear sides. User friendly.

Auto Strap Ejector

Loop-ejector clears unwanted strap automatically if the machine is accidentally activated without a package.

Options

- Photo-eye switch
- Rear foot bar switch
- Foot pedal switch
- Lower adjustable table height 30.31"-32.28" (770 mm - 820 mm)
- Selected parts in stainless steel SUS 304

Arch Sizes

SM65 (for 5 mm, 6 mm, or 3/8 (9 mm) strap)

H \ W	21.6" 550 mm	25.5" 650 mm	33.4" 850 mm	41.3" 1050 mm	49.2" 1250 mm	64.9" 1650 mm	72.8" 1850 mm
15.7"/400 mm	Ⓢ		✓				
19.7"/500 mm		✓	✓	✓	✓	✓	
23.6"/600 mm			✓				
31.5"/800 mm			✓	✓	✓		✓
39.4"/1000 mm				✓	✓		

Ⓢ Standard size: 550 mm (W) x 400 mm (H)

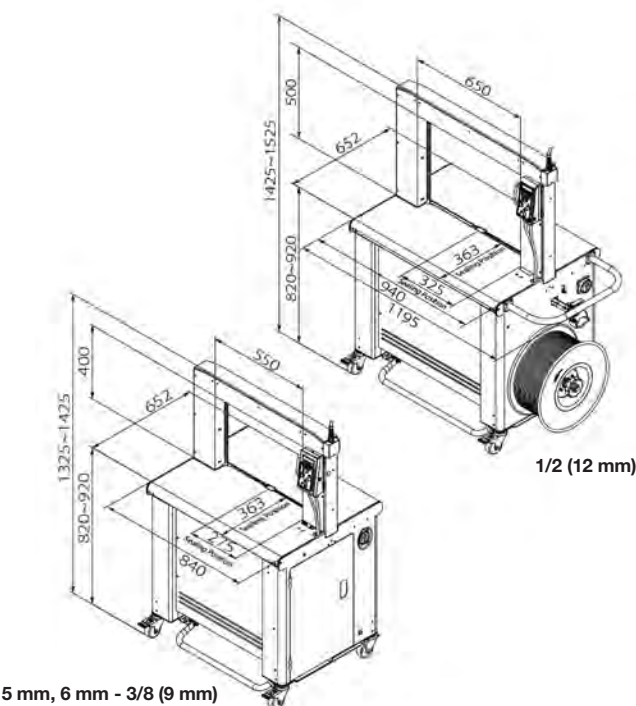
- ✓ means available arch size

SM65 (for 1/2 (12 mm) strap)

H \ W	25.5" 650 mm	33.4" 850 mm	41.3" 1050 mm	49.2" 1250 mm	64.9" 1650 mm	72.8" 1850 mm	80.7" 2050 mm	88.6" 2250 mm
15.7"/400 mm		✓						
19.7"/500 mm	Ⓢ		✓		✓		✓	
23.6"/600 mm		✓	✓	✓				✓
31.5"/800 mm		✓	✓	✓		✓		
39.4"/1000 mm		✓	✓	✓				
47.2"/1200 mm			✓	✓				

Ⓢ Standard size: 650 mm (W) x 500 mm (H)

- ✓ means available arch size



5 mm, 6 mm - 3/8 (9 mm)

1/2 (12 mm)

Technical Data

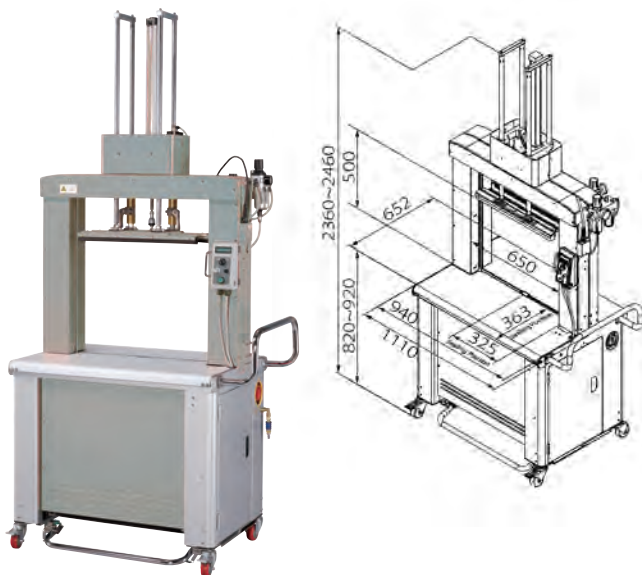
Capacity	Up to 65 cycles/minute (5 mm, 6 mm, 9 mm) Up to 60 cycles/minute 1/2 (12 mm)
Strap Width	5 mm, 6 mm, or 3/8 (9 mm), 1/2 (12 mm)
Tension Range	1 - 32 kg (1-70.5 lbs.) 1 - 45 kg (1-99.21 lbs.) (Higher tension is on request)
Weight	350 lbs.
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH
Core Size	8x8

HIGH SPEED STRAPPING MACHINE WITH DUAL PNEUMATIC PRESS

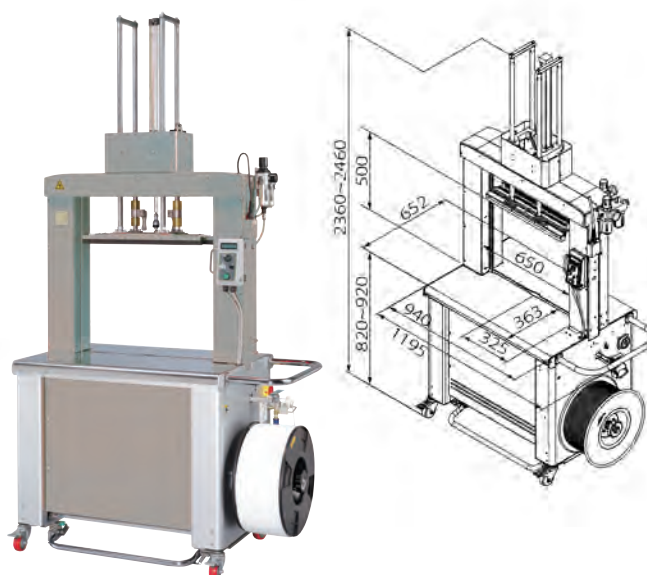
SM65-WC

SM65-WC (with dual press) is built based on SM65. It carries all the innovative features and user friendly designs of SM65. SM65-WC is ideal for strapping compressible material such as corrugated papers, paper sheets, corrugated boxes, plastic sheets, bags, etc.

SM65-WC



SM65-WC-



More Features

Robust and Compact Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. With compact design and fewer moving parts, it can greatly minimize the maintenance cost.

Dual Pneumatic Press

Ideal for strapping compressible package for better product stability and containment.

Free Access to Strap Guides (patents registered)

Unblocking the guides enables free and quick access to strap guides without using any tools. The most maintenance friendly design.

Options

- Photo-eye switch
- Rear foot bar switch
- Foot pedal switch
- Lower adjustable table height 29.5"-32.28" (750 mm - 820 mm)
- Safety guards
- Stainless steel frame SUS 304

Arch Sizes

H \ W	25.5"/650 mm	33.4"/850 mm	41.3"/1050 mm	49.2"/1250 mm	64.9"/1650 mm
19.7"/500 mm	Ⓢ			✓	✓
23.6"/600 mm		✓			
31.5"/800 mm			✓	✓	

Ⓢ Standard size: 650 mm (W) x 500 mm (H)

• ✓ means available arch size

• Arch size: 1250 mm (W) x 500 mm (H) is only for SM65-WC

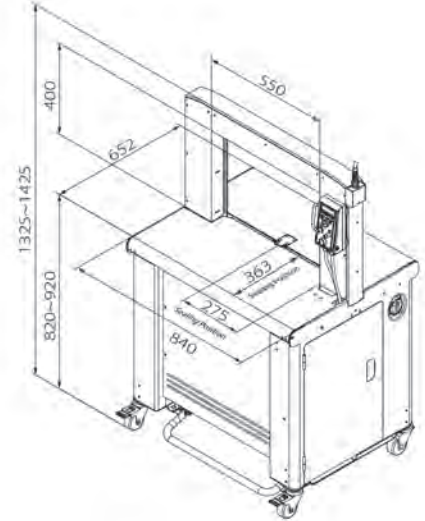
Technical Data

Capacity	Up to 47 cycles/minute 3/8 (9 mm) Up to 44 cycles/minute 1/2 (12 mm)
Strap Width	5 mm, 6 mm, or 3/8 (9 mm) 1/2 (12 mm)
Tension Range	1 - 32 kg (1-70.5 lbs.) 1 - 45 kg (1-99.21 lbs.) (Higher tension is on request)
Weight	495 lbs.
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH
Core Size	8x8
Pneumatics Source and Air Consumption	3/8 inch air hose at 6 Bar (87 psi)

HIGH SPEED STRAPPING MACHINE FOR SMALL OR ROUND PACKAGES

SM65-SSH

Suitable for small or round packages such as plastic pipes, steel rod, hardwood, etc. It can strap packages as small as 40 mm (W) x 10 mm (H) or round packages as small as Ø 32 mm x 2 pieces. SM65-SSH provides reliable high speed performance for small round package applications.



Main Features

Robust and Compact Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. With compact design and fewer moving parts, it can greatly minimize the maintenance cost.

Free Access to Strap Guides (patents registered)

Unblocking the guides enables free and quick access to strap guides without using any tools. The most maintenance friendly design.

Waist-High Quick Coil Change (patents registered)

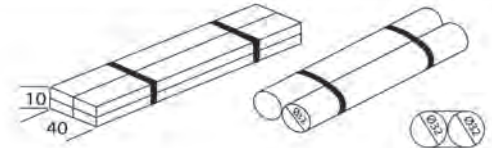
Innovative waist-high coil change without access to the bottom of the machine. Quick release lock eliminates downtime to change the coil. Ergonomic and quick change design makes coil change simpler than ever.

Options

- Photo-eye switch
- Rear foot bar switch
- Foot pedal switch
- Lower adjustable table height 29.5"-32.28" (750 mm - 820 mm)
- Stainless steel frame SUS 304

Package Sizes

Package size Strap width	Min.	Max.
5/6 mm	□ 40 mm (W) x 10 mm (H) ○ Pipe Ø 32 mm x 2 pcs	500 mm (W) x 350 mm (H)
9 mm	□ 50 mm (W) x 10 mm (H) ○ Pipe Ø 34 mm x 2 pcs	



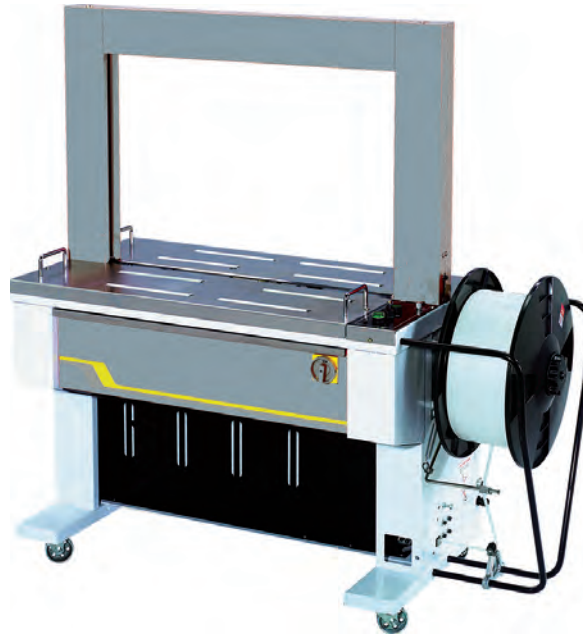
Technical Data

Capacity	Up to 65 cycles/minute
Strap Width	5 mm, 6 mm, or 3/8 (9 mm)
Tension Range	1 - 32 kg (1-70.5 lbs.)
Weight	350 lbs.
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH
Core Size	8x8

AUTOMATIC STRAPPING MACHINE

AutoPAC 300

The AutoPAC 300 is a reliable moderate volume applications. At 30 straps per minute it is fast and reliable.



Main Features



Reliable and Robust Strapping Head

Robust mechanism design and high engineering standard ensure excellent durability of the machine. Use two proximity switches to replace conventional limit switches.



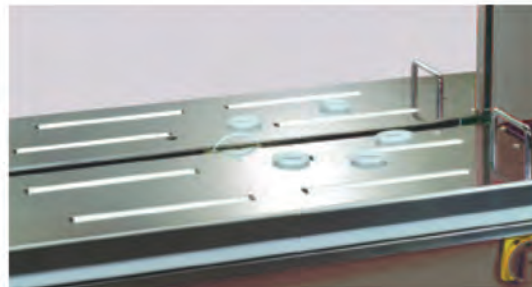
Electronic Tension Control

Strap tension can be adjusted accurately by a simple turn of the dial. Easy operation.



Auto Strap Feeding

Friendly design to feed the strap automatically from the inlet of strap feeding without the need to access to the inside of the machine. Easy strap loading.



Auto Strap Ejector

Loop-ejector clears unwanted strap automatically if the machine is accidentally activated without a package. Eliminates downtime.

AUTOMATIC STRAPPING MACHINE

More Features

Short Feed Sensor

The sensor detects whether the strap is at sealing position. If not, the strapping cycle cannot be activated.

Auto Strap Refeed

The machine will automatically refeed the strap if a mis-feed occurs.

Strap End Ejector

Eject the end of strap automatically. Easy to clean the end of strap and get the machine ready for next coil of strap.

Multiple Methods of Cycle Initiation

The machine can be operated by several methods, such as foot pedal switch, start switch, and photo-eye switch.

Lubrication Free Strapping Head

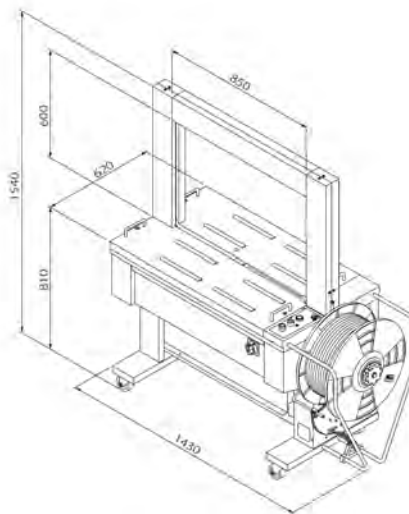
No lubrication is required for the strapping head. Therefore, it minimizes the maintenance and saves the cost. Easy maintenance.

Adjustable Weld-Cooling Time

Weld-cooling time is adjustable from 0 to 2 seconds. It ensures the high sealing efficiency when the machine is set at high tension. The adjustment is made based on the quality of PP strapping and the heater temperature.

Options

- Emergency stop switch
- Smoke exhaust system with carbon filter
- Table without free roller
- PU casters
Two free and two with brake. Smooth and silent movement.
- Stainless Steel Frame SUS 304
- The frame is made by SUS 304 stainless steel.
- Provides good protections for the applications in the moist environment. Complete arch can also be made in stainless steel.



Width >	25.6"	33.4"	41.3"	49.2"	57.0"	64.9"	72.8"
Height	650mm	850mm	1050mm	1250mm	1450mm	1650mm	1850mm
15.7" 400mm							
23.6" 600mm	Standard	Standard					
31.5" 800mm							
39.4" 1000mm							
47.2" 1200mm							

AVAILABLE ARCH SIZES (INCHES/MM) AUTO PAC 300 STANDARD UNITS

□ AVAILABLE IN 1/2" AND 3/8" STRAP

■ AVAILABLE IN 1/2" HEAVY DUTY STRAP (500LBS. OR GREATER)

■ NOT AVAILABLE

REQUIRES A STRAP OF .028" THICK OR GREATER.

Technical Data

Capacity	Up to 29 cycles/minute
Strap Width	1/4 (8 mm), 3/8 (9 mm), or 1/2 (12 mm)
Tension Range	7 - 45 kg *up to 70 kg on request
Maximum Package Weight	220 lbs.
Table Height	31.9"
Weight	485 lbs.
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH 220V, 380V, 400V, 415V 50/60Hz 3PH
Core Size	8x8

HIGH SPEED FULLY AUTOMATIC STRAPPING MACHINE

SM65 Series/SM65-FA HMI Series

Fully automatic line of strapping machines for fast production and packaging lines. It is suitable for 1/4 (5mm), (6mm), 3/8 (9mm), or 1/2 (12mm) PP strapping.

SM65-FA Roller-driven table



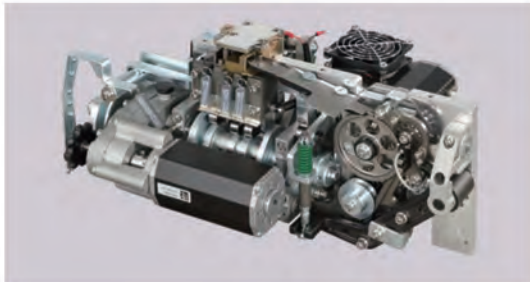
SM65-FA-B Belt-driven table



SM65-FAWC Belt-driven table with pneumatic press



Main Features



Robust and Compact Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. Without belts, clutches, and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Free Access to Strap Guides (patents registered)

Hinged top plate makes easy access to the strapping head for quick maintenance. Unblocking the guides enables free and quick access to strap guides without using any tools. The most maintenance friendly design.



Waist-High Auto Strap Feeding

Friendly design to feed the strap automatically from the upper side of the coil without the need to access to the bottom of the machine.



Electronic Tension Control

The operating control panel with LCD display is located on upper side of the machine for easy access. Strap tension can be adjusted accurately by a simple turn of the dial.

HIGH SPEED FULLY AUTOMATIC STRAPPING MACHINE

More Features

Good to Strap Small Package (SM65-FA-B/SM65-FAWC)

The minimum package size is 4.7" in width and .39" in height.

Good for Heavy Packages (SM65-FA)

The robust roller-driven table can load up to 176 lb. packages.

Multiple Strap Function

For single, double, continuous strapping, or transit mode.

Up and Down Stream Interlock

With complete plug connection. Easily integrated into most production lines.

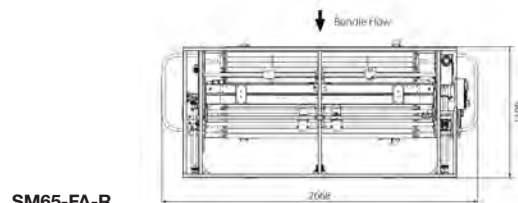
Easy Bundle Flow Direction Change

The bundle flow direction could be reversed easily to meet different production line requirements.

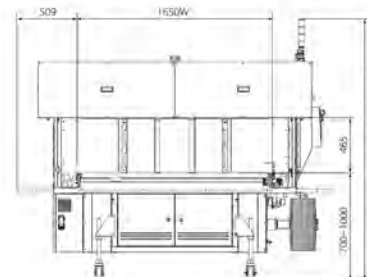
Strap End Ejector

Eject the end of strap from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

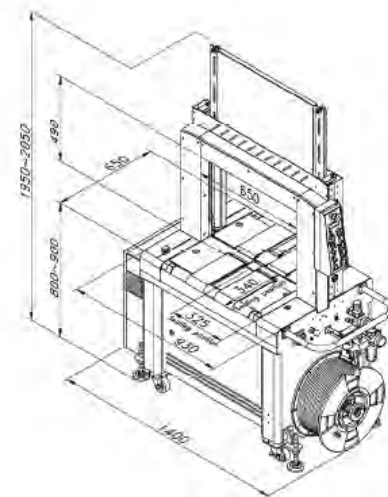
Light Tower



SM65-FA-R



SM65-FA-B



SM65-FAWC

Options

- Siemens PLC
- Energy saving transit with auto sleep mode
- Strapping in the center of the bundle
- Strapping controlled with 2 photo eyes
- Extension belt-driven table of 7.8" on upstream or downstream sides (SM65-FA-B, SM65-FAWC)
- Dual channel E-Stop
- Lower adjustable table height from 29.5" (750mm) to 35.4" (900mm)
- Stainless steel frame (SM65-FA-B-S, SM65-FAWC-S)

Arch Sizes

H \ W	21.6"/550 mm	25.5"/650 mm	33.4"/850 mm	41.3"/1050 mm	49.2"/1250 mm
19.6"/500 mm	✓	✓			
23.6"/600 mm			✓	✓	✓
31.4"/800 mm			✓	✓	✓
39.3"/1000 mm			✓		

SM65-FA:

✓ means available arch size

SM65-FA-B / SM65-FAWC:

✓ means available arch size

- Arch size 850 mm (W) x 1000 mm (H) is only available on SM65-FA-B

Technical Data

Capacity	Up to 40 packages/minute (SM-65-FA-B) Up to 36 packages/minute (SM-65-FA-R, SM65-FAWC)
Strap Width	5mm, 6mm, 3/8 (9mm), or 1/2 (12mm)
Tension Range	1 - 70.5 lbs. (for 5mm, 6mm, 9mm) 1 - 99.2 lbs. (for 12mm) *Higher tension is on request
Pneumatic Source & Air Consumption	6 bar 7.5 liter/cycle (SM65-FAWC)
Weight	632 lbs. (SM65-FA) 496 lbs. (SM65-FA-B) 551 lbs. (SM65-FAWC)
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH 220V, 380V, 400V, 415V 50/60Hz 3PH

HIGH SPEED FULLY AUTOMATIC STRAPPING MACHINE WITH SIEMENS PLC AND HMI

SM65 Series - Fully Automatic/HMI

Fully automatic strapping machines equipped with Siemens PLC and HMI as standard, featuring higher flexibility and better adaptability in a wider range of applications. Thanks to their high speed design with reliable performance, they are highly recommended for high capacity production lines.

SM65-FA-R-HMI Roller-driven table



SM65-FA-B-HMI Belt-driven table



SM65-FAWC-HMI Belt-driven table with pneumatic press



Main Features



Robust and Compact Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. Without belts, clutches, and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Free Access to Strap Guides (patents registered)

Hinged top plate makes easy access to the strapping head for quick maintenance. Unblocking the guides enables free and quick access to strap guides without using any tools. The most maintenance friendly design.



Waist-High Auto Strap Feeding

Friendly design to feed the strap automatically from the upper side of the coil without the need to access to the bottom of the machine.



Siemens PLC and HMI

Provide easy adjustments, operation instructions, troubleshooting guides and real-time sensor status display.

HIGH SPEED FULLY AUTOMATIC STRAPPING MACHINE WITH SIEMENS PLC AND HMI

Standard Features

Good to Strap Small Package (SM65-FA-B-HMI / SM65-FAWC-HMI)

The minimum package size is 4.7" in width and .39" in height.

Good for Heavy Packages (SM65-FA-R-HMI)

The robust roller-driven table can load up to 176 lb. packages.

Diverse Strapping Patterns

The setting for different strapping patterns can be done via visual display on HMI very easily.

Up and Down Stream Interlock

With complete plug connection. Easily integrated into most production lines.

Easy Bundle Flow Direction Change

The bundle flow direction could be reversed easily to meet different production line requirements.

Options

- Light tower with low strap sensor
- Energy saving transit with auto sleep mode
- Strapping in the center of the bundle
- Strapping controlled with 2 photo eyes
- Automatic tension control by package height detection (3 stage tension)
- Automatically determining the number of straps by package length
- Extension belt-driven table of 7.8" on upstream or downstream sides (SM65-FA-B-HMI, SM65-FAWC-HMI)
- Dual channel E-Stop
- Signal exchange via 16 pin connector
- Lower adjustable table height from 29.5" (750mm) to 35.5" (900mm)
- Stainless steel frame (SM65-B-HMI-S, SM65-FAWC-S)

Arch Sizes

H \ W	21.6"/550 mm	25.5"/650 mm	33.4"/850 mm	41.3"/1050 mm	49.2"/1250 mm
19.6"/500 mm	✓	✓			
23.6"/600 mm			✓	✓	✓
31.4"/800 mm			✓	✓	✓
39.3"/1000 mm			✓		

SM65-FA-R-HMI:

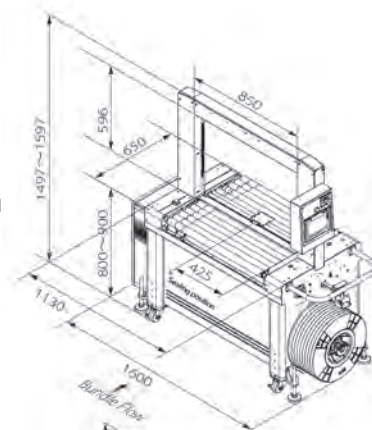
✓ means available arch size

SM65-FA-B-HMI / SM65-FAWC-HMI:

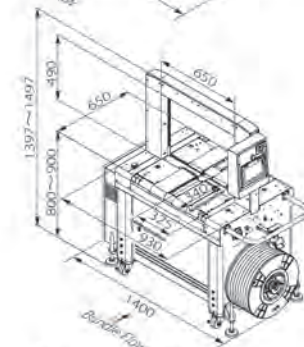
✓ means available arch size

- Arch size 850 mm (W) x 1000 mm (H) is only available on SM65-FA-B-HMI

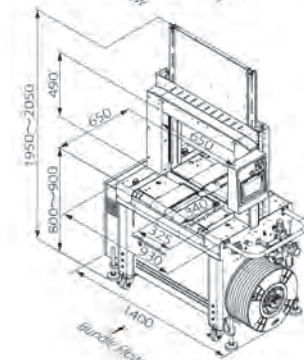
SM65-FA-R-HMI



SM65-FA-B-HMI



SM65-FAWC-HMI



Technical Data

Capacity	Up to 40 packages/minute (SM-65-FA-B-HMI) Up to 36 packages/minute (SM-65-FA-R-HMI, SM65-FAWC-HMI)
Strap Width	5mm, 6mm, 3/8 (9mm), or 1/2 (12mm)
Tension Range	1 - 70.5 lbs. (for 5mm, 6mm, 9mm) 1 - 99.2 lbs. (for 12mm) *Higher tension is on request
Pneumatic Source & Air Consumption	6 bar 7.5 liter/cycle (SM65-FAWC-HMI)
Weight	639 lbs. (SM65-FA-R-HMI) 502 lbs. (SM65-FA-B-HMI) 551.6 lbs. (SM65-FAWC-HMI)
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH 220V, 380V, 400V, 415V 50/60Hz 3PH

Side-Seal Strapping Machines

**PROTECT
YOUR PEOPLE
& PROFIT**



SIDE-SEAL MACHINE WITH PAINTED STEEL FRAME

SM60 / SM60-FA

SM60 and SM60-FA are high-speed side-seal strapping machines built with Mercury strapping head and brushless DC motor technology. They can be put into a wide range of applications, such as household appliances, furniture, tile industries, logistics, etc. The SM60 series are ideal for high capacity and efficiency automated lines.

SM60 Automatic model



SM60-FA Fully-Auto model



Main Features



Robust and Compact Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. Without belts, clutches, and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Control Panel with LCD Display

The operating control panel is located on upper side of the machine for easy access. The LCD display shows the machine condition for easy operation and maintenance.



Free Access to Strap Guides (patents registered)

Unblocking the guides enables free and quick access to the strap guides without using any tools. The most maintenance friendly design.



Inner Strap Dispenser Design

The position of strap dispenser is inside the machine frame. It makes coil change in the most convenient and labor-saving way.

SIDE-SEAL MACHINE WITH PAINTED STEEL FRAME

More Features

Downward Tension Force

Offer the most consistent tension to the package and help to hold package much firmly.

Auto Strap Ejector

Loop-eject clears unwanted strap automatically if the machine is accidentally activated without a package.

Strap End Ejector

Eject the end of strap from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

Adjustable Table Height

The table height is adjustable to any height between 17.5" and 25.3".

Up and Down Stream Interlock (SM60-FA)

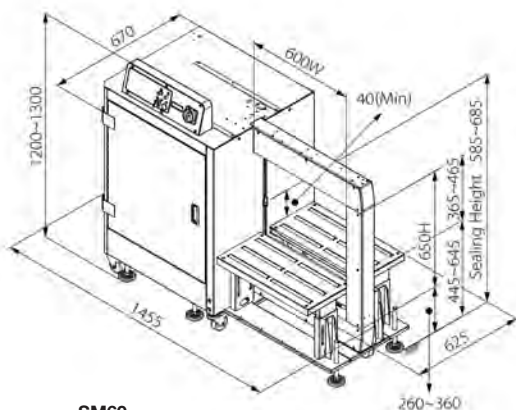
With complete plug connection. Easily integrated into most production lines.

Sensor Controlled Heater

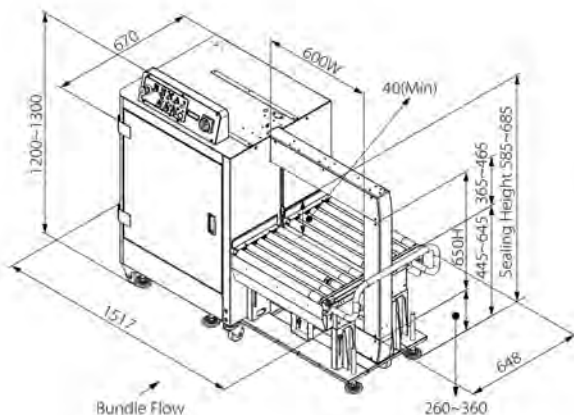
The fast heating mechanism is sensor controlled assuring consistent and high sealing efficiency.

Options

- Light tower with low strap sensor
- Small package
- Siemens PLC control (for SM60-FA)
- Energy saving transit with auto sleep mode (for SM60-FA)
- End of cycle and strapping error signals (for SM60)
- Without adjustable roller table (SM60-XT)
- Side Pusher (for SM60-FA)
Push the package towards strapping head for better strapping performance.
- Dual Press Bar
Ideal to strap compressible materials or telescoped boxes.



SM60



SM60-FA

Arch Sizes

H \ W	23.6"/600 mm	31.5"/800 mm	39.4"/1000 mm	51.2"/1300 mm
25.6"/650 mm		N/A	N/A	
33.4"/850 mm			N/A	
41.3"/1050 mm				
49.2"/1250 mm				
64.9"/1650 mm	N/A	N/A		
72.8"/1850 mm		N/A		N/A

- N/A means not available
- More arch sizes are on request

Technical Data

Capacity	Up to 60 cycles/minute (SM60) Up to 35 packages/minute (SM60-FA)
Strap Width	3/8 (9mm) - 1/2 (12mm)
Tension Range	1 - 70 lbs. (3/8") 1 - 122 lbs. (1/2")
Weight	648 lbs. (SM60) 750 lbs. (SM60-FA)
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH 220V, 380V, 400V, 415V 50/60Hz 3PH
Pneumatics Source and Air Consumption	3/8 inch air hose at 6 Bar (87 psi)

SIDE-SEAL WASH-DOWN MACHINE

SM60-S / SM60-FA-S

SM60-S and SM60-FA-S are wash-down side-seal strapping machines built with Mercury strapping head and brushless DC motor technology. With stainless steel cabinet (SUS 304) and rust resistant or corrosion retardant components, SM60-S and SM60-FA-S provide maximum protections for the applications in the harsh working environment like seafood, meat, and poultry processing industries.



SM60-S Automatic model



SM60-FA-S Fully-Auto model

Main Features



Robust and Compact Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. Without belts, clutches, and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



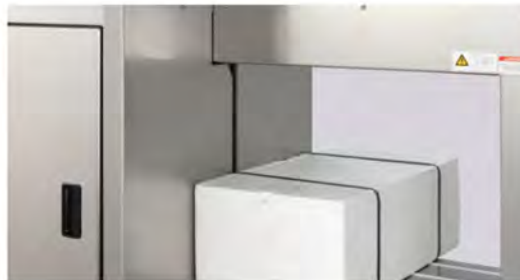
Water Proof Design

Internal heating device assists to prevent accumulating humidity inside. Special protection for electric control unit with IP 54 rated ensures highest safety. Provide most strict protection from water and wash down spray.



Free Access to Strap Guides (patents registered)

Unblocking the guides enables free and quick access to the strap guides without using any tools. The most maintenance friendly design.



Downward Tension Force

Offer the most consistent tension to the package and help to hold package much firmly. It also offers the best packaging solution for food industry with styrofoam box.

SIDE-SEAL WASH-DOWN MACHINE

More Features

Electronic Tension Control

The operating control panel with LCD display is located on upper side of the machine for easy access. Strap tension can be adjusted accurately by a simple turn of the dial.

Inner Strap Dispenser Design

The position of strap dispenser is inside the machine frame. It makes coil change in the most convenient and labor-saving way. This design also protects the strap dispenser from moisture.

Auto Strap Ejector

Loop-eject clears unwanted strap automatically if the machine is accidentally activated without a package.

Adjustable Table Height

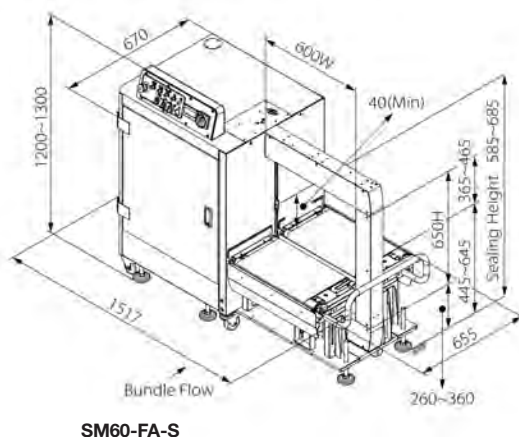
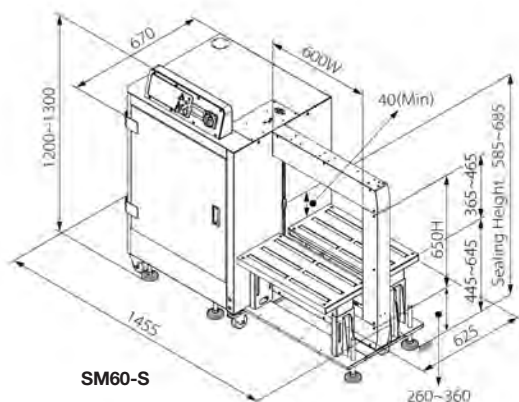
The table height is adjustable to any height between 17.5" and 25.3".

Up and Down Stream Interlock

With complete plug connection. Easily integrated into most production lines.

Low Voltage

All DC motors and heater are "stepped down" to 24V to increase the safety level of the machine.



Options

- Light tower with low strap sensor
- Small package
- Siemens PLC control (for SM60-FA-S)
- Energy saving transit with auto sleep mode (for SM60-FA-S)
- End of cycle and strapping error signals (for SM60)
- Without adjustable roller table (SM60-XT)
- Side Pusher (for SM60-FA-XT)
Push the package towards strapping head for better strapping performance.
- Dual Press Bar
Ideal to strap compressible materials or telescoped boxes.



Arch Sizes

H \ W	23.6"/600 mm	31.5"/800 mm
25.6"/650 mm		N/A
33.4"/850 mm		

- N/A means not available

Technical Data

Capacity	Up to 60 cycles/minute (SM60-S) Up to 35 packages/minute (SM60-FA-S)
Strap Width	5mm, 6mm, 3/8 (9mm), or 1/2 (12mm)
Tension Range	1 - 70 lbs. (for 3/8") 1 - 122 lbs. (for 1/2")
Weight	648 lbs. (SM60-S) 750 lbs. (SM60-FA-S)
Electrical Requirements	110V, 220V, 230V, 240V, 50/60Hz 1PH

SIDE-SEAL MACHINE FOR PP AND PET STRAPPING

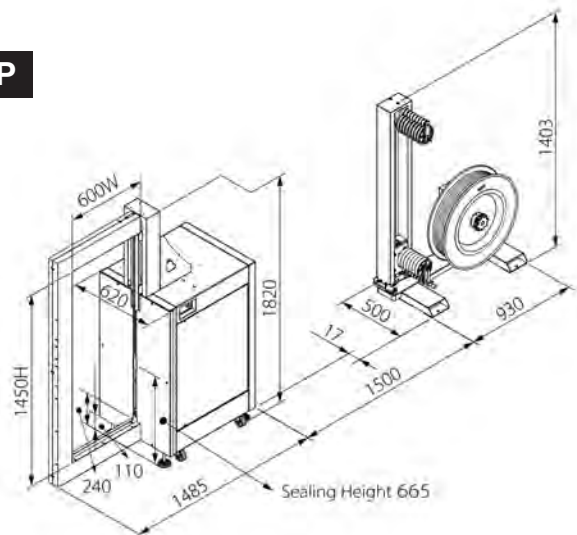
AUTO PAC - SIDE SEAL

AutoPAC 300 Side seal is an automatic side seal strapping machine for both PP and PET strapping using either 9mm (3/8), 12mm (1/2), or 15.5mm (5/8). With the extra-large arch sizes available this machine is ideal for applications on large or heavy products, household appliances, and various palletized products. It can be integrated with most production lines at a lower price point.



Auto PAC - Side Seal

PET PP



Main Features

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high sealing efficiency for both PP and PET strapping. No fumes and odors.

Siemens PLC Control

Siemens PLC is a state-of-the-art controller. It is programmable and can be expanded flexibly to meet various application requirements.

Electronic Tension Control

Strap tension can be adjusted accurately by a simple turn of the dial. Tension force is up to 1500 N (150 kg).

Auto Strap Refeed

The machine will automatically refeed the strap if a mis-feed occurs. Eliminate downtime.

Option

- Up and down stream interlock with photo-eye control
- Emergency stop switch
- Foot pedal switch
- Strap dispenser 90-degree turn
- PU casters (2 free and 2 with brake)
- Uplifted support
- With adjustable free roller table

Arch Sizes

H \ W	23.6"/600 mm	31.4"/800 mm	39.3"/1000 mm	47.2"/1200 mm	55.1"/1400 mm
33.4"/850 mm					
41.3"/1050 mm					
49.2"/1250 mm					
57"/1450 mm					
64.9"/1650 mm					
72.8"/1850 mm					
80.7"/2050 mm					
88.5"/2250 mm					
96.4"/2450 mm					

Technical Data

Capacity	Up to 11 cycles/minute (60Hz)
Strap Width	3/8 (9mm), 1/2 (12mm), or 5/8 (15.5mm)
Tension Range	44 - 336 lbs. (20 - 150 kg)
Strap Core Size	406 mm (16x6) (200/280 mm Optional)
Weight	782 lbs. (355 kg)
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

HIGH SPEED CORRUGATED STRAPPER WITH INTEGRATED SQUARING SYSTEM

SM65-CQ3-S

The SM65-CQ3-S is an all-electric high speed corrugated strapper with integrated squaring and backstop functions. It is built on quality proven corrugated strapping machines and carries many innovative features. For example, motorized squaring and backstop devices provide precise bundle handling and positioning for forming perfect bundles.

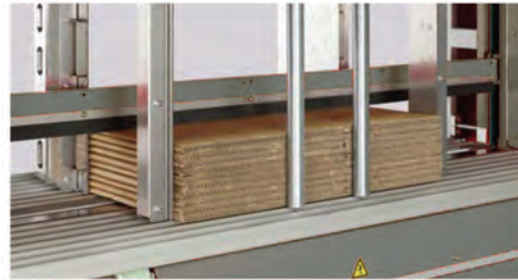


Main Features



Compact and Robust Strapping Head

Use the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All motors are German-made. With compact design and fewer moving parts, it can greatly minimize the maintenance cost.



3-Side Squaring Bundle Control

The electric-driven side squaring and backstop devices optimize the integrity of bundles for strapping. Unique front and rear squaring mechanism with independent control system improves squaring performance over a wider range of bundle sizes.



Good for Small Bundle

The round belts added on rollers help to move small bundles across strapping position smoothly. It allows a minimum bundle size of width 200 mm (8") x length 250 mm (10").



Siemens PLC Control and HMI

Provide easy adjustments, TEACH-IN programming, and troubleshooting guides.

HIGH SPEED CORRUGATED STRAPPER WITH INTEGRATED SQUARING SYSTEM

More Features

Automatic Bundle Size Setup System

The automatic setting mode makes the bundle size set up to finish in 15 seconds. It minimizes costly downtime.

Motorized Full-width Press

Motorized full-width press provides the highest reliability and stability of the movement. It also offers easy adjustments for different press position to optimize strapping speed.

Hinged Roller Table

Easy and effortless to open the table top for cleaning and maintenance. Ergonomic design.

Free Access to Strap Guides (patents registered)

Unblocking the guides enables free and quick access to strap guides without using any tools. The most maintenance friendly design.

Adjustable Table Height

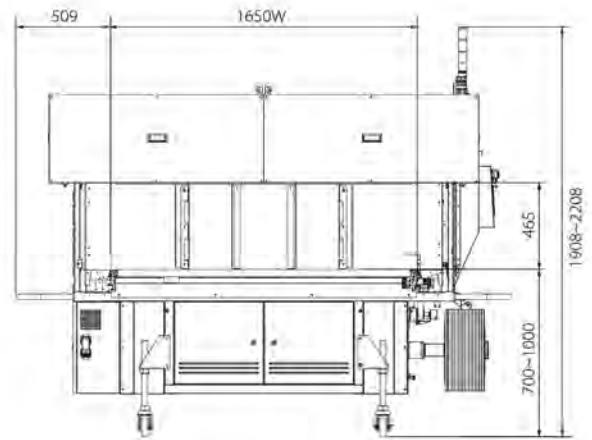
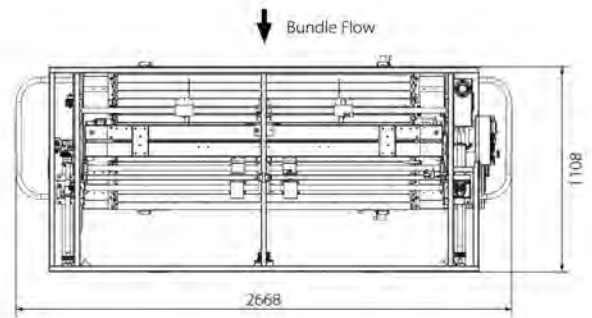
The table height is adjustable between 27.56" and 39.37".

All Electric Driven Design

No air consumption is required. The performance of the machine will not be restricted by the air supply.

Smallest footprint

The strapping and squaring are integrated at the same station. It optimizes the bundle condition with minimum space required.



SM65-CQ3-S

Options

- Dual dispenser with auto coil change machine can perform coil change automatically when the strap is running out.



- Light tree alarm with low strap sensor (triple lamp)
- Energy saving transit with auto sleep mode
- Floor rails
- Foot pedal switch
- Bus interface for bundle size data transfer from upstream equipment

Technical Data

Capacity	Up to 24 bundles/minute (single strap) Up to 13 bundles/minute (double straps)
Strap Width	3/8"
Tension Range	70 lbs.
Minimum Bundle Size	9.8"
Maximum Bundle Size	55.9" (W) X 19.72" (H)
Bundle Weight	max 77 lbs.
Conveyor Speed	15 - 60 m/minute
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

Pallet Strapping Systems

PSS733 Series for Vertical, Horizontal, & Top Pallet Strapping

PROTECT
YOUR **PEOPLE**
& **PROFIT**



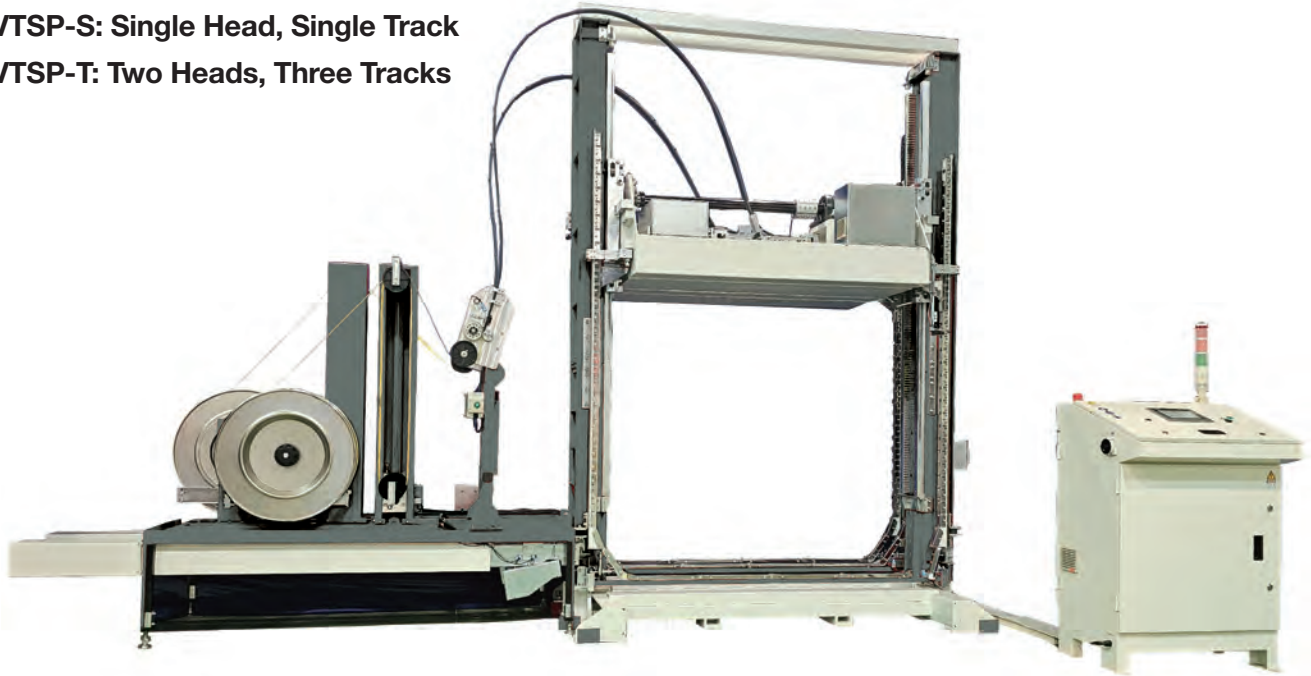
FULLY AUTOMATIC TOP-SEAL PALLET STRAPPING MACHINE

PSS733VTSP

Fully-Auto Pallet Strapping Machine Top-Seal with Compression

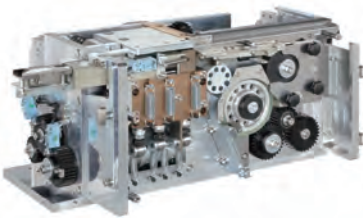
PSS733VTSP is a high-performance top-seal pallet strapping system with 2.5 tons of compression, ensuring palletized loads are firmly secured for safe transportation. It's ideal for the corrugated, paper, and glass bottle industries.

- PSS733VTSP-S: Single Head, Single Track
- PSS733VTSP-T: Two Heads, Three Tracks



Main Features

- Top-mounted state-of-the-art ARES TP-733-SH strapping head



- All-electric driven design for optimized energy efficiency and precise control
- Friction weld sealing technology, good for both PP and PET strapping
- Features Siemens PLC and HMI, a reliable and high-performance controller for automation



- Strap can be fed at any height, enhancing strapping capacity
- Movable strap lance
- Strap end ejector
- Adjustable speed for strapping head movement
- Excellent package top detection
- 30 Preprogram settings for multiple strapping tasks
- Adjustable compression force up to 2.5 tons
- Dual channel E-stop

Options

- Light tower with low strap sensor
- Adding underfeed channel
- Underfeed channel only
- End of strap signal
- Auto feed strap to strapping head
- Automatic self-adjusting strapping head height for next package

Arch Sizes

H \ W	62.9"/1600 mm	78.7"/2000 mm	94.4"/2400 mm
80.7"/2050 mm			
96.4"/2450 mm			
112.2"/2850 mm			

 Standard size: 62.9"/1600 mm (W) x 80.7"/2050 mm (H)

Technical Data

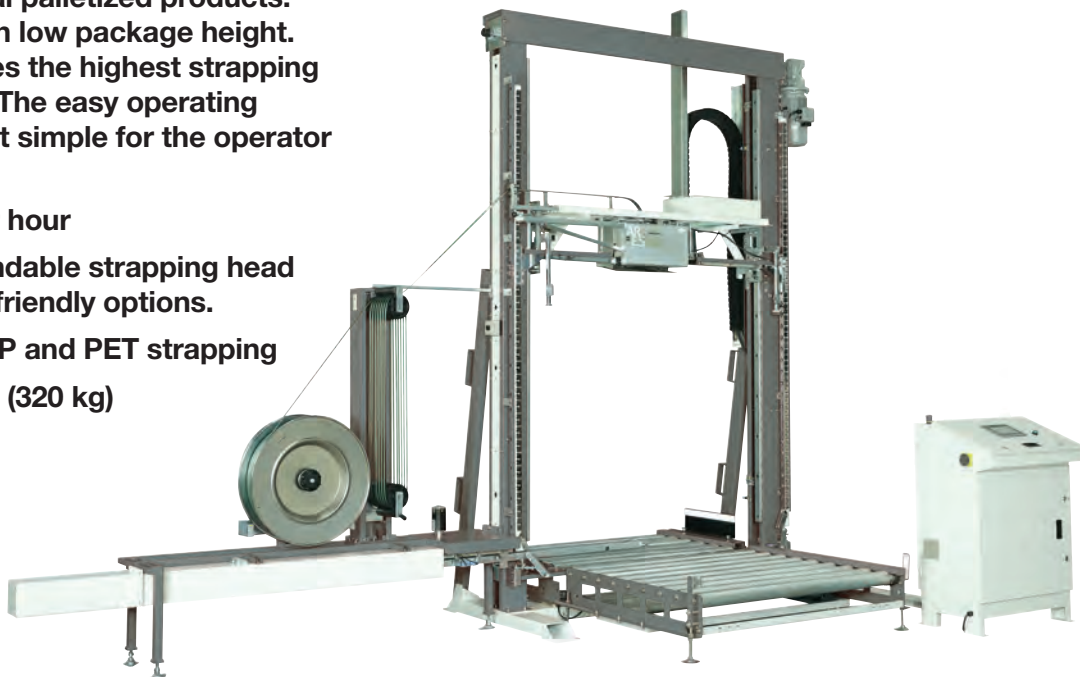
Capacity	Up to 120 pallets/hour
Strap Type	PP and PET strapping
Strap Width	3/8", 1/2", or 5/8"
Max Strap Size	3/4", 040
Tension Range	247 - 719 lbs (standard) 45 - 270 lbs (option)
Strap Core Size	16"
Compression	up to 2500 kg
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz, 3PH

FULLY AUTOMATIC TOP-SEAL PALLET STRAPPING MACHINE

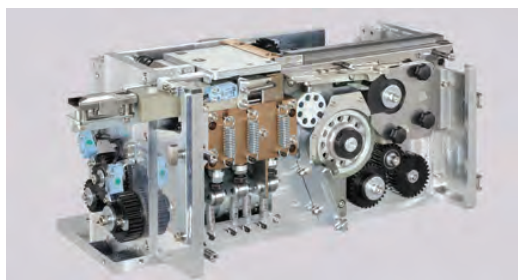
PSS733TSM

PSS733TSM is ideal for general palletized products. It is also suitable for those with low package height. The top sealing design provides the highest strapping efficiency onto the packages. The easy operating SIEMENS touch panel makes it simple for the operator to control and monitor.

- Capacity up to 61 pallets per hour
- Robust, compact, and dependable strapping head designed with maintenance friendly options.
- For 3/8", 1/2", 5/8", or 3/4" PP and PET strapping
- Tension force up to 719.4 lbs (320 kg)
- Surface Area



Main Features



ARES TP733SH Strapping Head

Use the latest German-made DC brushless motor technology to provide the highest level of accuracy and reliability. Without belts and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



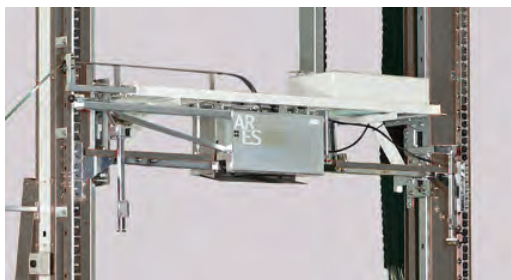
Floating Head

The floating head can equalize the tension around the package to optimize strap holding performance.



SIEMENS PLC and HMI

The SIEMENS PLC and HMI provide easy adjustments, operation instructions, troubleshooting guides, and real-time sensor status display.



Strap can be fed at any height

The strapping head does not need to go back to home position for strap feeding. It greatly increases the efficiency on preparation time for next strap cycle.

FULLY AUTOMATIC TOP-SEAL PALLET STRAPPING MACHINE

Features

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high sealing efficiency for both PP and PET strapping. Tension force is up to 719.4 lbs (320 kg). No fumes and odours. Ready to use once turned on.

Free Access to Strap Guides

Quick access to the strap guides without using any tools. The most maintenance friendly design.

All Electric Driven Design

No air consumption is required. The performance of the machine will not be restricted by the air supply.

Strap End Ejector

Eject end of strap automatically from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

Adjustable Sealing and Cooling Time

These two parameters are adjustable to guarantee high sealing efficiency.

Adjustable Speed for Strapping Head Movement

The ascent and decline speed of strapping head can be adjusted between 70 and 200 mm/sec to prevent damage on packages.

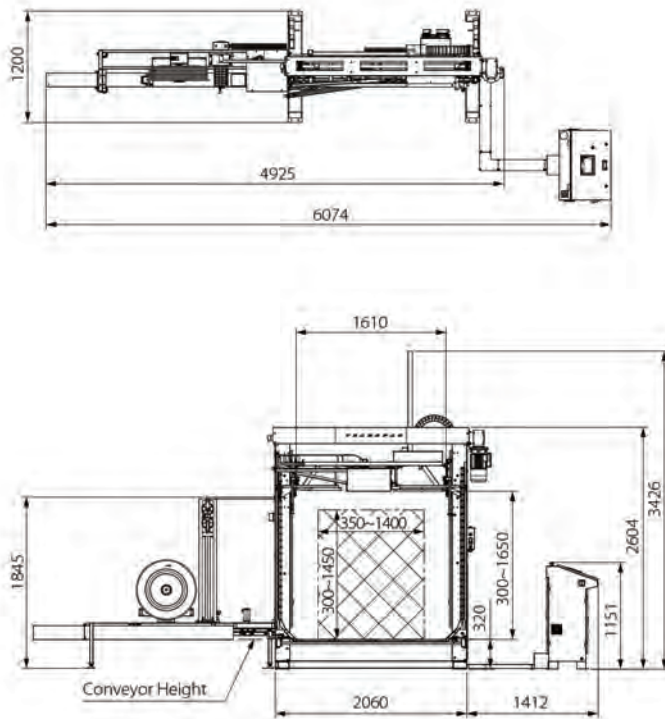
Excellent Package Top Detection

There are sensor and detection plate to make sure the strapping head stop precisely and softly at the time it touches the package.

Dual Channel E-stop

This provides an additional emergency stop circuit loop to ensure the E-stop operation if either loop is invalid, fulfilling a higher-level safety requirement.

Light Tower with low strap sensor



PSS733TSM

* The conveyor is not part of PSS733TSM.

Options

- Lower tension range (45 - 270 lbs)
- Air conditioner for electric control cabinet
- Uplifted support
- Adding underfeed channel
Suitable for mixed package types and sizes.
Be able to switch between lance and underfeed channel automatically. (patent pending)
- Automatic self-adjusting strapping height for next package

Arch Sizes

H \ W	62.9"/1600 mm	78.7"/2000 mm	94.4"/2400 mm
64.9"/1650 mm	Ⓢ		
80.7"/2050 mm			
96.4"/2450 mm			
112.2"/2850 mm			

Ⓢ Standard size: 62.9"/1600 mm (W) x 64.9"/1650 mm (H)

Technical Data

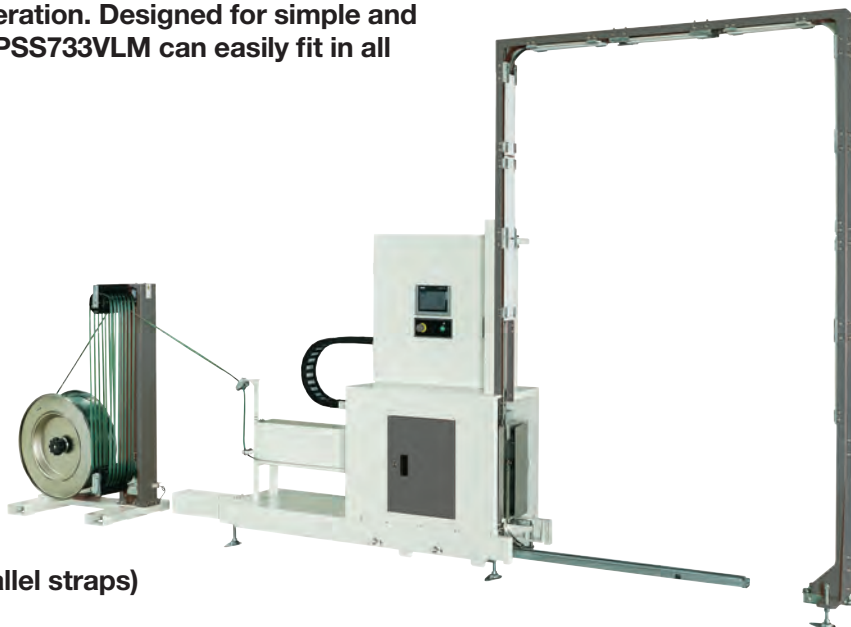
Capacity	Up to 63 pallets/hour (double parallel straps)
Strap Type	PP and PET strapping
Strap Width	3/8", 1/2", 5/8", or 3/4"
Tension Range	247 - 719 lbs (standard) 45 - 270 lbs (option)
Minimum Package Size	13.7" (W) x 11.8" (H)
Strap Core Size	16"
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

FULLY AUTOMATIC VERTICAL PALLET STRAPPING MACHINE (SIDE-SEAL)

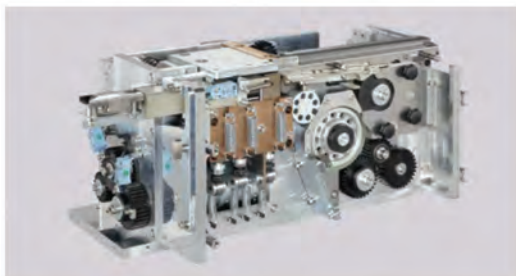
PSS733VLM

PSS733VLM is your best choice for fully automatic operation in various pallet strapping applications. The enhanced PSS733VLM maximizes the productivity by applying straps consistently and accurately on the pallet load, and minimizes the production cost by its high-speed and stable operation. Designed for simple and quick connection to the master control system, PSS733VLM can easily fit in all different end-of-lines packaging sectors.

- For vertical strapping applications (side-seal)
- Simple and quick connection to the master control system
- For 3/8", 1/2", 5/8", or 3/4" PP and PET strapping with tension force up to 719.4 lbs (320 kg)
- Index strapping head with stroke up to 19.7"
- Movable strap lance
- Friction weld sealing technology
- Swivel dispenser set provides more flexibility for plant configuration
- Capacity up to 72 pallets per hour (double parallel straps)

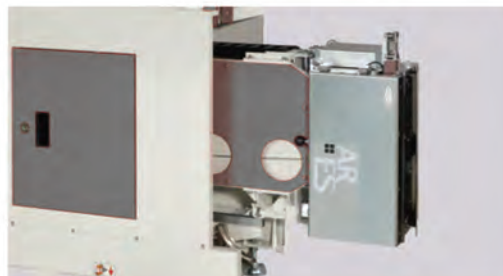


Main Features



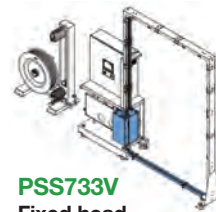
ARES TP733SH Strapping Head

Use the latest German-made DC brushless motor technology to provide the highest level of accuracy and reliability. Without belts and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.

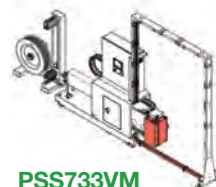


Index Strapping Head

The strapping head moves toward the package with stroke up to 19.7" during the strapping cycle. It provides the maximum strap containment efficiency to secure packages.



PSS733V
Fixed head
Closed strap track



PSS733VM
Index head
Closed strap track



Siemens PLC and HMI

The Siemens PLC and HMI provide easy adjustments, operation instructions, troubleshooting guides, and real time sensor status display.



Movable Strap Lance

Feeding the strap through the pallet void ensures the best strapping quality on palletized goods.



PSS733VLM
Index head
Movable lance

FULLY AUTOMATIC VERTICAL PALLET STRAPPING MACHINE (SIDE-SEAL)

Features

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high sealing efficiency for both PP and PET strapping. Tension force is up to 719.4 lbs (320 kg). No fumes and odours. Ready to use once turned on.

Swivel Dispenser Set

The dispenser set can be mounted freely at preferred positions. It provides more flexibility for plant configuration.

Free Access to Strap Guides

Quick access to the strap guides without using any tools. The most maintenance friendly design.

Modular Arch

Modular arch design makes it easy to change the arch size.

Adjustable Sealing and Cooling Time

The sealing time and cooling time are adjustable. It guarantees high sealing efficiency.

Strap End Ejector

Eject end of strap automatically from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

Easy to Retrofit

The compact and advanced design makes it easily to retrofit a spare strapping head. It can greatly minimize downtime.

Light Tower with low strap sensor

Options

- Floating head
- Index head stroke up to 700 mm
- Free standing operation desk
- Dual channel E-Stop
- Lower tension range (45 - 270 lbs)
- Top press (200 lbs or 1,102 lbs)
- HMI mounted on the opposite side
- Uplifted support

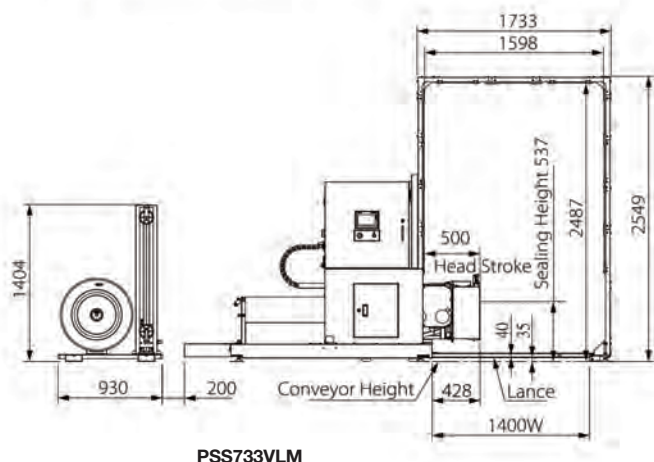
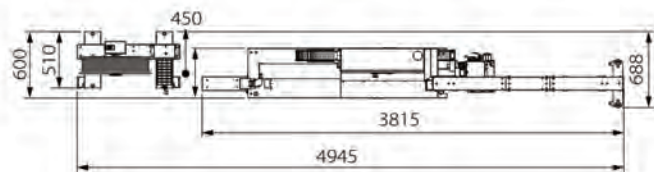
Arch Sizes

W \ H	39.4"/1000 mm	55.1"/1400 mm	62.9"/1600 mm	78.7"/2000 mm	94.5"/2400 mm*
49.2"/1250 mm					
64.9"/1650 mm					
80.7"/2050 mm					
96.4"/2450 mm		\$			
112.2"/2850 mm					N/A
127.9"/3250 mm					N/A

\$ Standard size: 55.1"/1400 mm (W) x 96.4"/2450 mm (H)

* Arch width 94.5" is only available on PSS733V and PSS733VM

• N/A means not available



Technical Data

Capacity	Up to 72 pallets/hour (double parallel straps)
Strap Type	PP and PET strapping
Strap Width	3/8", 1/2", 5/8", or 3/4"
Tension Range	247 - 719 lbs (standard) 45 - 270 lbs (option)
Strap Core Size	16"
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

FULLY AUTOMATIC HORIZONTAL PALLET STRAPPING MACHINE

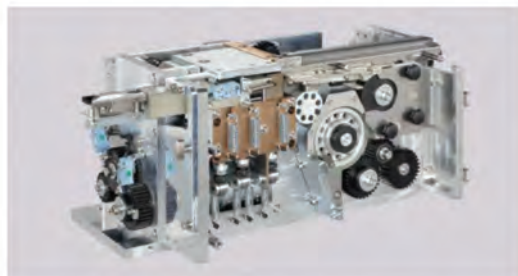
PSS733H

The enhanced PSS733H provides accurate strapping output on all natural-sized loads with consistent performance. It maximizes the productivity and minimizes the production cost for users. Designed for simple and quick connection to the master control system, PSS733H can easily fit in various end-of-line packaging sectors. It is your best choice for fully automatic operation in various applications, including palletized products, home appliance, bricks & blocks, etc.

- For horizontal strapping applications
- For 1/2", 5/8", or 3/4" PP and PET strapping with tension force up to 719.4 lbs (320 kg)
- Index strapping head with stroke up to 11.8"
- Friction weld sealing technology
- Swivel dispenser set provides more flexibility for plant configuration
- Preprogram setting for multiple strapping patterns
- Capacity up to 60 pallets per hour (3 parallel straps)



Main Features



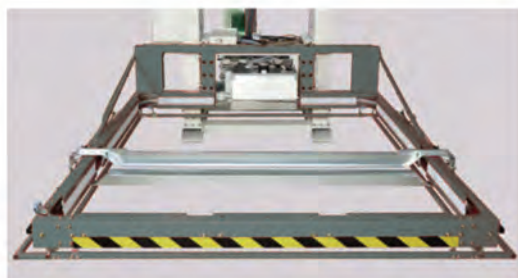
ARES TP733SH Strapping Head

Use the latest German-made DC brushless motor technology to provide the highest level of accuracy and reliability. Without belts and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Index Strapping Head

The strapping head moves toward the package with stroke up to 11.8" during the strapping cycle. It provides the maximum strap containment efficiency to secure packages.



Strap Guide Arm

The guide arm helps to precise the strap position on the load.



Safety Rack

Underneath the arch to ensure the highest safety.

FULLY AUTOMATIC HORIZONTAL PALLET STRAPPING MACHINE

More Features

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high sealing efficiency for both PP and PET strapping. Tension force is up to 719.4 lbs (320 kg). No fumes and odours. Ready to use once turned on.

Siemens PLC and HMI

The Siemens PLC and HMI provide easy adjustments, operation instructions, troubleshooting guides, and real-time sensor status display.

Free Access to Strap Guides

Quick access to the strap guides without using any tools. The most maintenance friendly design.

Swivel Dispenser Set

The dispenser set can be mounted freely at preferred positions. It provides more flexibility for plant configuration.

Adjustable Sealing and Cooling Time

The sealing time and cooling time are adjustable. It guarantees high sealing efficiency.

Strap End Ejector

Eject end of strap automatically from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

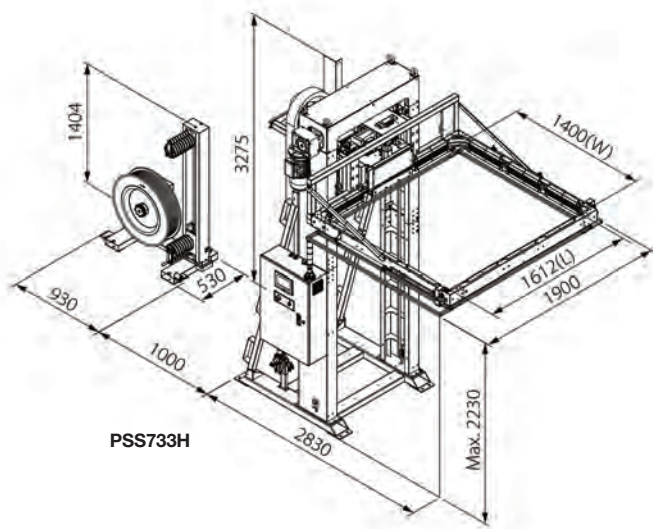
Preprogram setting

It can store 10 strapping patterns and each pattern is with up to 10 different strapping positions. There is no need to adjust the setting when changing to different package sizes. Reduce downtime and save cost.

Easy to Retrofit

The compact and advanced design makes it easily to retrofit a spare strapping head. It can greatly minimize downtime.

Light Tower with low strap sensor



Options

- Floating head
- Free standing operation desk
- Dual channel E-Stop
- Lower tension range (45 - 270 lbs)
- HMI and PLC mounted on the opposite side
- Auto strap program selecting (BCD input)
- No safety rack
- 200 mm I 280 mm strap dispenser
- Uplifted support
- Maximum package height up to 2700 mm

Arch Sizes

L \ W	55.1"/1400 mm	62.9"/1600 mm
57"/1450 mm		
64.9"/1650 mm		

 Standard size: 57"/1450 mm (L) x 55.1"/1400 mm (W)

Technical Data

Capacity	Up to 60 pallets/hour (3 parallel straps)
Strap Type	PP and PET strapping
Strap Width	1/2", 5/8", or 3/4"
Tension Range	247 - 719 lbs (standard) 45 - 270 lbs (option)
Minimum Strapping Height	(a) With conveyor: 6.3" above conveyor surface (b) Without conveyor: 9.4" above floor
Minimum Package Height	86.6"
Strap Core Size	16"
Pneumatic Source & Air Consumption	6 bar 7.1 liter/cycle
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

PALLET PAC PLUS 602

PALLET PAC PLUS 602 is a portable semi-auto pallet strapping machine for vertical strapping applications. It works with both PP and PET strapping (9 mm, 12 mm, or 15.5 mm) and offers tension force up to 150 kg. It can be conveniently positioned next to the pallet, without having to move the load. The retractable sword that feeds the strap through pallet void not only saves time and effort in operation, but also space. Its high mobility and easy operation make it the most efficient solution for low to moderate pallet strapping needs.



Main Features

Robust and Lubrication Free Strapping Head

Applying robust mechanism design and high engineering standard with the latest German-made DC motor technology, it provides the highest level of reliability and durability. Requiring no lubrication for strapping head, it greatly simplifies the maintenance routine and minimizes the maintenance cost.

Retractable Sword

Motorized retractable sword feeds the straps through pallet void and automatically retracts during the strapping cycle. This design is space-saving, and it protects the sword from damage.

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high seal efficiency for both PP and PET strapping. No fumes and odours. Ready to use once turned on.

User-friendly Control Panel

The user-friendly operating control panel is located on upper side of the machine for easy access.

Technical Data

Strap Type	PP and PET strapping
Strap Width	9 mm, 12 mm, or 15.5 mm
Tension Range	70-1,500 N
Sealing Height	485 mm
Length of the Sword	1,000 mm
Minimum Package Height	560 mm (pallet included)
Strap Core Size	200 mm (Option: 406 mm/230 mm/280 mm)
Electrical Requirements	110V 60Hz 1PH 220V, 230V, 240V 50/60Hz 1PH
Separate Compression Unit/Top Press	200lbs or 1100lbs in both standard and wide.

SEMI-AUTOMATIC VERTICAL PALLET STRAPPING MACHINE

PALLET PAC PLUS 502

Pallet PAC Plus 502 inherits all of the advantages from Genesis PSS502, such as compact strapping head, direct drive technology with German-made DC motors, and electronic tension control. It eliminates the use of manual tools and dispensers, and can be moved easily beside the load you want to strap without moving the pallet. Pallet PAC Plus 502 provides an ergonomic and cost-effective solution for low volume vertical pallet strapping applications.



Main Features

Compact Mechanical Strapping Head

With 30% less moving parts than conventional machines substantially reduces maintenance issues. There are no belts, chains, or pulleys. Extremely low noise sealing head.

Electronic Tension Control

Strap tension can be adjusted accurately by a simple turn of the dial on the control panel. Tension force is up to 157 lbs (70 kg).

Jog Switch

Using the “Jog switch” to adjust the machine to exactly the correct position for maintenance.

Adjustable Weld-Cooling Time

The weld cooling time can be increased to ensure high joint efficiency under high tension.

Mobility

With light weight and compact size, it is easy to move the machine beside the pallet you want to strap.

Various Applications

Suitable for corrugated cardboards, concrete blocks, and pallet loaded with cardboard boxes containing any type of products.

Option

- Battery power supply (PSS502MVB)

Technical Data

Strap Type	PP strapping
Strap Width	3/8", 1/2", or 5/8"
Tension Range	18 - 155 lbs
Minimum Package Height	15" (Incl. pallet)
Length of the Sword	50"
Weight	205 lbs
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1 PH

SEMI-AUTOMATIC HORIZONTAL PALLET STRAPPING MACHINE

PALLET PAC PLUS MH502

Pallet PAC Plus MH502 inherits all of the advantages from Genesis PSS502, such as compact strapping head, direct drive technology with German-made DC motors, and electronic tension control. It can be positioned easily beside the load you want to strap without moving the pallet. Pallet PAC Plus MH502 provides a quick, ergonomic, and economical solution for low volume horizontal pallet strapping applications.



Main Features

Compact Mechanical Strapping Head

With 30% less moving parts than conventional machines substantially reduces maintenance issues. There are no belts, chains, or pulleys. Extremely low noise sealing head.

Electronic Tension Control

Strap tension can be adjusted accurately by a simple turn of the dial on the control panel. Tension force is up to 157 lbs (70 kg).

Jog Switch

Using the “Jog switch” to adjust the machine to exactly the correct position for maintenance.

Adjustable Weld-Cooling Time

The weld cooling time can be increased to ensure high joint efficiency under high tension.

Two Moving Direction

With simple adjustment, the machine can be moved either forward or sideward to approach the pallet.

Various Applications

Suitable for fruit & vegetable boxes, concrete blocks, and pallet loaded with cardboard boxes containing any type of products.

Option

- Edge protector holder
- Handle on the rear for back/forth movement
- Battery power supply (TP502MHB)

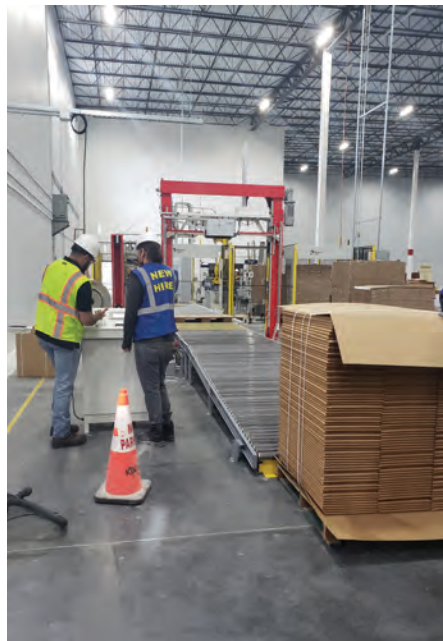
Technical Data

Strap Type	PP strapping
Strap Width	3/8", 1/2", or 5/8"
Tension Range	18 - 155 lbs
Strapping Height	min 170 mm max 2200 mm
Minimum Package Height	7.8" (Incl. pallet)
Weight	644 lbs
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1 PH

COMPLETE DESIGNED STRAPPING SERVICES

PAC Strapping Products, Inc, together with FROMM, offer a complete turnkey system solution to your project. We design and manufacture customized systems across all industries to deliver exact product handling, throughput, automation and system integration that meets your precise needs.

Your unique needs are the center of our development process. We begin with a clean slate and a conversation to determine your vision. Once we understand your goals, we design the system, build it, install it and maintain it with factory trained personal.



Strapping Tools



PAC Brand Tools

Manual Tools for Plastic Strapping

PAC brand tools are tough, durable, and priced very competitively, making them an exceptional value. The PST34 is an industry standard and is the preferred tool for regular duty applications. The PST-HD is a heavy-duty cast tool for both polypropylene and polyester, and the SJ series tools are a cost effective alternative for high strength polyester. The symmetrical series of sealing tools work with serrated seals crimped from either side. Crimping the seal is foolproof as operators no longer have to match the correct side of the sealer with the seal. All PAC brand tools are covered by a 90 day warranty and are backed by a complete parts inventory and our service department.

Manual Tensioners

PRODUCT	STRAP SIZE (inches)	STRAP TYPE	APPLICATION	SHIPPING WGT. (lbs.)
DLT-PAC	to 3/4	All Plastic	Buckle Tensioner	2
HPT58S	to 5/8	All Plastic	Safety Hand Tensioner/Cutter	1
PST34	to 3/4	All Plastic	General Use	3
PST-HD	to 3/4	All Plastic	Heavy Duty	4
TX-114	to 1 1/2	Cord	Extreme Tension	6
PST-PET	to 3/4	Polyester	Regular Duty	3
PST-CORD	to 3/4	Cord	General Use	3
HD34	to 3/4	Polyester	Heavy Duty PET	3
PSTHD-RB	to 1 1/2	Heavy Duty Cord	Heavy Duty Round Bundles	6

Manual Sealers

REGULAR DUTY 13" HANDLES

ES48	1/2	All Plastic	General Use	3
ES58	5/8	All Plastic	General Use	3

HEAVY DUTY 17" HANDLES

ES48L	1/2	All Plastic	Heavy Duty	4
ES48SJ*	-	Polyester to .030"	Heavy Duty, for Serrated Seals	4
ES58L	5/8	All Plastic	Heavy Duty	4
ES58SJ*	5/8	Polyester to .030"	Heavy Duty, for Serrated Seals	4
ES58SJ-HD*	5/8	Polyester Strap .030" - .040"	Heavy Duty, for Serrated Seals	4
ES68L	3/4	All Plastic	Heavy Duty	4
ES68SJL-HD*	3/4	Polyester Strap .030" - .040"	Heavy Duty, for Serrated Seals	4

SYMMETRICAL SEALERS FOR POLYESTER STRAPPING & SERRATED SEALS 17" HANDLES*

SPE48	1/2	Polyester	1/2" x up to .030" with Serrated Seals (HSS-4)	4
SPE58	5/8	Polyester	5/8" x up to .040" with Serrated Seals (HSS-5)	4
SPE68	3/4	Polyester	3/4" x up to .050" with Serrated Seals (HSS-6)	4
SPE68-HD	3/4	Polyester	3/4" x up to .050" with Serrated Seals (HSS-6) w./long handles (20" handles)	5

Manual Combination Tools

PAC400HD*	1/2	All Plastic	Single Feed High Joint Strength	9
PAC500HD*	5/8	All Plastic	Single Feed High Joint Strength	9

*Designed for use with HSS-4, and HSS-5 seals with the appropriately sized tool.

For use with .020 - .035 PET



PAC Brand Tools

Manual Tools for Steel Strapping

PAC brand tools are designed to withstand tough steel strapping applications. Priced very competitively and covering a broad range of applications, they are backed by a large inventory of parts, and our own service department. In addition to the stock tools listed, we can also supply you with specialty steel strapping tools for unique applications from a wide range of sources.

Manual Tensioners

PRODUCT	STRAP SIZE (inches)	TOOL TYPE	SHIPPING WGT. (lbs.)
OM75	1/2 x .015 to 3/4 x .023	Feedwheel	7
ST75FHD	1/2 x .020 to 3/4 x .035	High Tensile, Feedwheel	7
PBT58	3/8 x .015 to 1/2 x .020	Pusher Bar, Light Duty	2
PFH-PAC	to 1 1/4 x .035	Feedwheel, Push Type	7
ST125FHD	3/4 x .020 to 1 1/4 x .035	Feedwheel	7
WT125HD	3/4 x .020 to 1 1/4 x .035	Windlass	6

Sealless Combination Tools

We stock and service sealless tools for a range of applications. In addition to the SL340, an inexpensive tool for regular duty steel strapping applications, we also stock the HT-SL, a cost competitive tool for both regular duty and high tensile steel. In addition to stock tools, we can supply specialized tools for specific applications, just check with customer service or your PAC Territory Manager.

PRODUCT	STRAP SIZE (inches)	TOOL TYPE	SHIPPING WGT. (lbs.)
A335	1/2 x .020 to 3/4 x .023	Sealless	12
A337	5/8 x .021 to 3/4 x .025	Sealless	14
SL340	1/2 x .017 to 3/4 x .023 RD	Sealless	8



OM75



ST75FHD



PBT58



PFH-PAC



ST125FHD

WT125HD

A335

A337

SL340

*The HKE tool, manufactured by Titan (Germany) is designed for demanding high volume applications.

STEEL STRAPPING TOOLS

Manual Sealers

PRODUCT	STRAP SIZE (inches)	TOOL TYPE	SHIPPING WGT. (lbs.)
A380	3/8 to .030	Double Down Notch	2
A480	1/2 to .030	Double Down Notch	2
A580	5/8 to .030	Double Down Notch	2
A680	3/4 to .030	Double Down Notch	2
S380HD	3/8 to .020	Double Down Notch	3
S480HD	1/2 to .030	Double Down Notch	3
S580HD	5/8 to .030	Double Down Notch	3
S680HD	3/4 to .030	Double Down Notch	3
S380SN	3/8 to .020	Single Up Notch	3
S480SN	1/2 to .023	Single Up Notch	3
S580SN	5/8 to .023	Single Up Notch	3
S680SN	3/4 to .023	Single Up Notch	3
SA680	3/4 x .025 to .035 HT	Single Down Notch	7
SA1125SN	1 1/4 x .031 to .035	Single Down Notch	7
SA1125DN	1 1/4 x .031 to .035	Double Up Notch	7

A380
A480
A580
A680



S480HD
S480SN

14" HANDLES



Strap Cutters

PRODUCT	STRAP SIZE (inches)	TOOL TYPE	SHIPPING WGT. (lbs.)
SC75	to 3/4 x .035	Light and Regular Duty	1
SC125	to 1 1/4 x .035	Regular and High Tensile	2
SSC125	to 1 1/4 x .035	Safety Shear	2
SC200	to 2 x .050	Heavy Duty	6

SA680
SA1125



SC200



SSC125



SC125



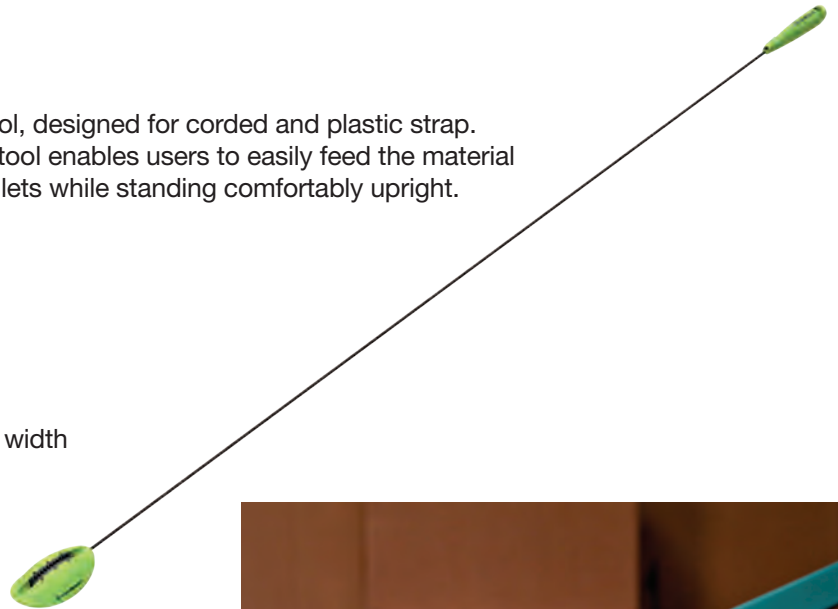
SC75



StrapBandit

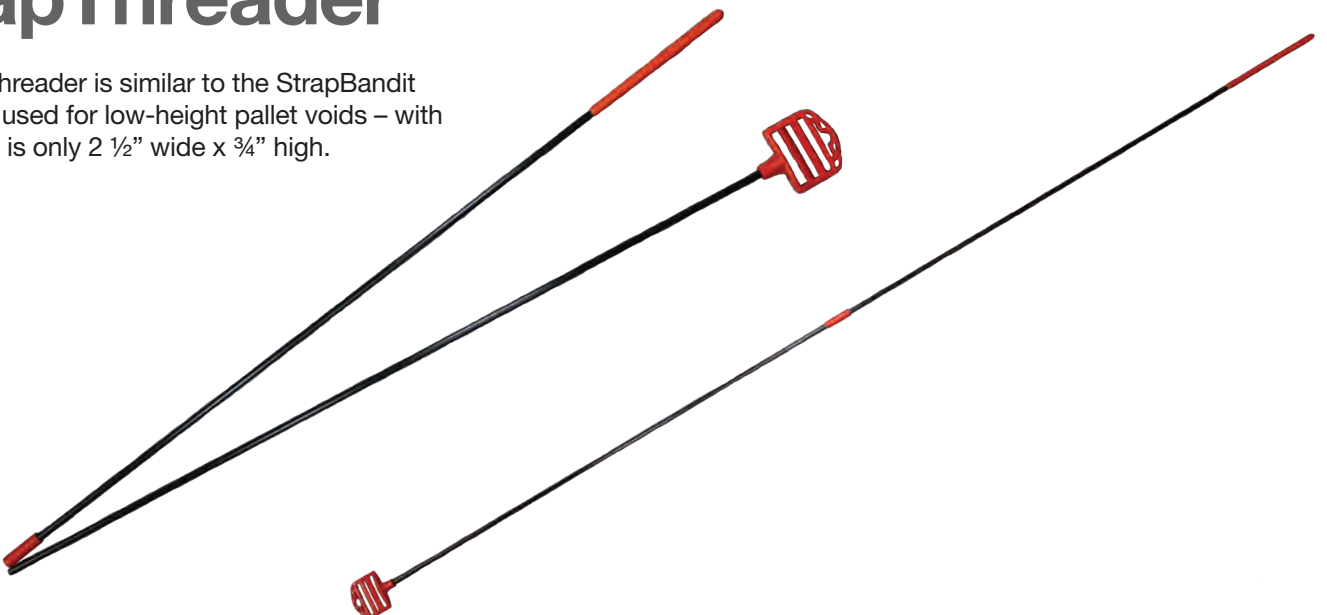
The StrapBandit is a revolutionary pallet threading tool, designed for corded and plastic strap. The durable, efficient design of the Bandit strapping tool enables users to easily feed the material under and through most wood pallets and plastic pallets while standing comfortably upright.

- Professional pallet threading tool
- Faster and easier than any other threading tool
- Thread pallets while standing up
- Works on all pallets
- Handles all plastic and corded strapping
- Securely holds strap from thin to thick and any width



StrapThreader

The StrapThreader is similar to the StrapBandit except it is used for low-height pallet voids – with a head that is only 2 1/2" wide x 3/4" high.



POWER TOOL OPTIONS

PAC BT2450 and BT3920 High Performance Battery Operated Power Tools utilizing the latest in technology, the PAC BT2450 and BT3920 are “best in class” battery tools for all of your strapping needs. These tools cover a wide range of strapping widths from 1/2” (12mm) to 3/4” (19mm). Tension levels range from 550 to 900 lbs. to cover a broad spectrum of applications. These tools are field ready for polypropylene and polyester strapping and will consistently deliver superior performance and reliability for your strapping needs. Both tools are backed by the outstanding PAC Service Department and feature the best warranty in the industry at 6 months of parts and labor**.



Standard Features of the PAC BT Tools

- Digital Touch Panel
- Tension, Sealing, are controlled through the touch screen. Battery level, “soft mode”, mode (semi auto or one hand auto) are also accessed through the touch screen.
- Brushless Motors
- German manufactured brushless technology reduces maintenance, and increases reliability.
- Environmentally friendly Lithium Ion batteries can be recharged up to 1,000 times.
- Simple adjustment for different strapping widths.
- Strap width adjustments are simple and can be done at customer’s location.
- Heavy Duty, ergonomic housing design.

Special Features of the PAC BT

- Cycle counter
- Panel function lock

Specifications

Model Number	BT2450	BT3920
Application	Regular Duty Applications	High Tension Applications
Strap Width*	1’2” – 5/8” (12-16mm)	5/8”-3/4” (16mm-19mm)
Strap Thickness	PPY .022”-.041” (.55-1.05mm) PET .020”-.041” (.50-1.05mm)	.030” - .053” (.75-1.35mm) .023”- .053” (.60-1.35mm)
Tension Range	90-550 lbs. (24-250KG)	130-880 lbs. (60-400Kg)
Welded Joint Strength	to 80%	to 80%
Weight	9.5 lbs. (4.3Kg)	9.7lbs. (4.4 Kg.)
Battery	Li-Ion 18V, 4.0 Ah	
Battery Charger	110-240V 50/60 Hz, Rechargeable 1,000 times, 40 minute recharge time	
Options:	Wear Plate for bottom base Suspension Bracket	

*Must specify strap width. **Warranty applies to all manufacturing defects.
Normal wear and tear and wear parts excluded. Contact Customer Service for details.

Datasheet P328

Battery powered manual plastic strapping tool

Battery powered plastic strapping tool

FROMM | STRAPPING
SOLUTIONS



Characteristics

Strapping qualities:	Polyester (PET) and Polypropylene (PP) plain and embossed
Strapping dimensions:	width 12.0 – 16.0 mm thickness 0.40 – 1.05 mm / .016 – .041"
Weight incl. battery:	4.3 kg / 9.6 lbs
Tool size with battery:	L351 x W134 x H143 mm / 13.8" x 5.3" x 5.6"
Type of seal:	Friction weld sealing
Average seal strength:	approx. 75% (dependent on strap quality)
Tension force:	250 – 2600 N / 56 – 585 lbs (adjustable)
Tension speed:	67 – 124 mm/s / 2.6 – 4.9 inch/s
Power supply:	Battery Li-Ion 18VDC / 4.0 Ah
Suspension bracket:	optional

Advantages

- High tension force up to 2600N / 585 lbs
- Tension force and sealing time adjustable with simple knobs
- Tool in both semi-automatic and automatic (single button) version available for efficient operation
- Brushless motor for less maintenance and improved life time
- Improved plates and guides – less effort to remove the tool from the strap
- No tension rocker – easier to remove tool from small package surfaces
- Motor temperature monitoring to protect motor from overheating
- Cycle counter included (special reader required)
- Battery well protected
- Battery charge indicator included
- Simple one-handed operation
- Tool is fully covered for finger protection
- Optional motor cooling fan available to reduce overheating risk



Battery powered, Digitalized, plastic strapping tool



) 9.0 Ah battery is one of the **Smart efficiency and cost saving options the FROMM P328S offers its operators. Only available in the EU countries.

Characteristics

Strapping qualities	Polyester (PET) and Polypropylene (PP) plain and embossed
Strapping dimensions	width 12.0 – 16.0 mm / ½ - ⅝" thickness 0.40 – 1.05 mm / .016 – .041"
Weight incl. 4.0 Ah battery	4.3 kg / 9.6 lbs
Tool size with 4.0 Ah battery	L351 x W134 x H143 mm / 13.8 x 5.3 x 5.6"
Type of seal	Friction welding
Average seal strength	approx. 75% (dependent on the strap quality)
Tension force	250 – 2.600 N / 56 – 585 lbs (adjustable)
Tension speed	49 – 174 mm/s / 1.9 – 6.8 inch/s
Power supply	Battery Li-Ion 18 VDC / 4.0 Ah or 9.0 Ah
Suspension brackets	optional

Features that matter

- Strap database management, updating and service readout with **Wireless Technology** (Option) will tell you when service is advised;
- The Smart, all-in-one and easy to operate slanted colour touch screen, is always located in-sight of the operator, preventing water and dust from entering the device here;
- One-hand operation 3-in-1 tool, easy selecting manual, semi-automatic or automatic operation;
- Setting and locking the right tension force, speed and sealing time at the touch of a finger;
- Tested to meet or exceed the high FROMM quality standards and customer expectations;
- Pre-stored strap types with the 10 free configurable strap modes help to set the tool right;
- Durable design, *Easy-to-Recycle*, with double strap guides for "AlwaysGood" strap alignment;
- Easy inserting and removing the strap, no obstacles from hands or other barriers;
- Well balanced tool with extra finger protection for safe and good working conditions;
- Sturdy battery holder that can accommodate 4.0 Ah or 9.0 Ah batteries with charge indicator;
- Brushless motor, with motor temperature monitoring system. Optional motor cooling fan available for extreme environments;
- Easy cleaning, removing strap dust particles with pressurized air.

Datasheet P329

Battery powered manual plastic strapping tool

FROMM**STRAPPING
SOLUTIONS**

Battery powered plastic strapping tool for demanding applications



Characteristics

Strapping qualities:	Polyester (PET) and Polypropylene (PP) plain and embossed
Strapping dimensions:	width 16.0 – 19.0 mm / 5/8 – 3/4" thickness 0.65 – 1.35 mm / .026 – .053"
Weight incl. battery:	4.3 kg / 9.6 lbs
Tool size with battery:	L351 x W134 x H143 mm / 13.8" x 5.3" x 5.6"
Type of seal:	Friction weld sealing
Average seal strength:	approx. 75% (dependent on strap quality)
Tension force:	500 – 4000 N / 112 – 900 lbs (adjustable)
Tension speed:	49 – 79 mm/s / 1.9 – 3.1 inch/s
Power supply:	Battery Li-Ion 18VDC / 4.0 Ah
Suspension bracket:	optional

Advantages

- High tension force up to 4000N / 900 lbs
- Tension force and sealing time adjustable with simple knobs
- Tool in both semi-automatic and automatic (single button) version available for efficient operation
- Brushless motor for less maintenance and improved life time
- Improved plates and guides – less effort to remove the tool from the strap
- No tension rocker – easier to remove tool from small package surfaces
- Motor temperature monitoring to protect motor from overheating
- Cycle counter included (special reader required)
- Battery well protected
- Battery charge indicator included
- Simple one-handed operation
- Tool is fully covered for finger protection
- Optional motor cooling fan available to reduce overheating risk



Battery powered, digitalized, plastic strapping tool for demanding applications



} 9.0 Ah battery is one of the **Smart efficiency and cost saving options the FROMM P329S offers its operators.
Only available in the EU countries.

Characteristics

Strapping qualities	Polyester (PET) and Polypropylene (PP) plain and embossed
Strapping dimensions	width 16.0 – 19.0 mm / $\frac{5}{8}$ – $\frac{3}{4}$ " thickness 0.65 – 1.35 mm / .026 – .053"
Weight incl. 4.0 Ah battery	4.3 kg / 9.6 lbs
Tool size with 4.0 Ah battery	L351 x W134 x H143 mm / 13.8 x 5.3 x 5.6"
Type of seal:	Friction welding
Average seal strength	approx. 75% (dependent on the strap quality)
Tension force	500 – 4.000 N / 112 – 900 lbs (adjustable)
Tension speed	32 – 113 mm/s / 1.3 – 4.4 inch/s
Power supply	Battery Li-Ion 18 VDC / 4.0 Ah or 9.0 Ah

Features that matter

- Strap database management, updating and service readout with **Wireless Technology** (Option);
- The Smart, all-in-one and easy to operate slanted colour touch screen, is located in-sight of the operator, preventing water and dust from entering the device here;
- 3-in-1 tool, easy selecting manual, semi-automatic or automatic operation;
- One-hand operation to set & lock the right tension force, speed and sealing time, at the touch of a finger;
- Tested to meet or exceed the high FROMM quality standards and customer expectations:
 - Touch screen - FET2017-1 300.000 cycle Endurance test and the FST2017-2 Ball-Drop-Test.
 - Tool as a whole - FROMM durability test with > 300.000 seals and the FCT2016-4 Vibration test.
- The incorporated maintenance info system will tell you when service is advised;
- Pre-stored strap types and 10 free configurable strap modes, help you to set it to your requirements;
- The standard 4Ah battery gives up to 25% more cycles per charge, in comparison with other tools;
- Durable design, Easy-to-Recycle with double strap guides for "AlwaysGood" strap alignment;

Datasheet P331

Battery powered manual plastic strapping tool

FROMM

STRAPPING
SOLUTIONS

Battery powered plastic strapping tool for heavy duty applications



Characteristics

Strapping qualities:	Polyester (PET) plain and embossed
Strapping dimensions:	width 19.0 – 32.0 mm / 3/4 – 1 1/4" thickness 0.60 – 1.53 mm / .024 – .060"
Weight incl. 4.0 Ah battery:	6.5 kg / 14.5 lbs
Tool size with battery:	L396 x W166 x H175 mm / 15.6" x 6.5" x 6.9"
Type of seal:	Friction weld sealing
Average seal strength:	approx. 75% (dependent on strap quality)
Tension force:	1200 – 7000 N / 270 – 1575 lbs (adjustable)
Tension speed:	39 – 63 mm/s / 1.5 – 2.5 inch/s
Power supply:	Battery Li-Ion 36VDC / 2.5 or 4.0 Ah
Suspension bracket:	optional

Advantages

- Battery powered combination tool for strap sizes up to 32 mm / 1 1/4"
- High tension force up to 7000N / 1575 lbs
- Brushless motor for less maintenance
- Tool in automatic version available for more efficient operation
- Well balanced tool for all strapping positions
- Up to 370 strap cycles per battery charge
- Tool welds without tension (strap repair)
- Quick battery exchange

DATA SHEET P357

Pneumatic, sealless plastic strapping tool
for Standard Duty Applications

FROMM | STRAPPING
SOLUTIONS

Pneumatic strapping tool, for Manual (2 button) or Semi-Automatic (1 button) operation



Characteristics

Strapping qualities	Polyester (PET) and Polypropylene (PP), plain and embossed	
Strapping dimensions	width	12,7 – 16,0 mm / 1/2 – 5/8"
	thickness	0,40 – 1,05 mm / .016 – .041"
Weight	5,7 kg / 12.6 lbs	
Tool size	L350 x W133 x H135 mm / 13.8" x 5.2" x 5.3"	
Type of seal	Sealless, Friction weld sealing	
Average seal strength	approx. 75% (depending on strap quality)	
Tension force:	600 – 1.300 N / 135 – 292 lbs 1.200 – 2.500 N / 270 – 562 lbs, adjustable	
Tension speed	approx. 165 mm/s / 6.5"/s 104 mm/s / 4"/s. See chart of types.	
Max. air pressure	5,5 – 6,0 bar / 80 – 87 psi	
Air consumption	60 NI/min – 2.1 cu.ft/min Max. pressure drop of 0,5 bar / 7.25 psi	
Suspension bracket	supplied with the tool	

Advantages & Benefits

- Single hand operation tool;
- Select the operation mode that best fits to your job: manual (2-buttons) or semi-automatic (1-button);
- Easy strap threading – both straps are inserted together;
- Strap tension can be set and blocked for correct and consistent secured packages;
- Seal time is easy to adjust, to get the best possible seal efficiency;
- To warrant an optimal seal cooling time, the signalisation pin shows you the end of each strapping cycle;
- Pneumatically powered, very reliable and maintenance-friendly;
- This tool is ideal for a wide variety of vertical and horizontal strapping positions, suitable for almost all applications in various industries.
- The perfect solution in case electrical powered tools, for safety or technical reasons, must not or cannot be used;
- The compressed air, can be connected to the tool either on top of the main housing or at the rear end;
- For packages with a rough and hard surface, a bottom-base wearing plate is available as accessory;
- In cases where soft packages are to be strapped, a plastic bottom-base protection plate is available;

DATA SHEET P358

Pneumatic, sealless plastic strapping tool
for HD Applications

FROMM

STRAPPING
SOLUTIONS

HD strapping tool, for Manual (2 button) or Semi-Automatic (1 button) operation



Characteristics

Strapping qualities	Polyester (PET) & Polypropylene (PP), plain and embossed
Strapping dimensions	width 16,0 – 19,0 mm / 5/8 – 3/4" thickness 0,65 – 1,35 mm / .026 – .053"
Weight	5.7 kg / 12.6 lbs
Tool size	L350 x W133 x H135,5 mm / 13.78" x 5.2" x 5.3"
Type of seal	Sealless, friction weld sealing
Average seal strength	approx. 75% (depending on strap quality)
Tension force	1.000 – 2.300 N / 225 – 517 lbs 1.900 – 4.000 N / 427 – 900 lbs (adjustable)
Tension speed	approx. 115 mm/s – 4 1/2"/s 70 mm/s – 2 3/4"/s. See chart of types.
Max. air pressure	5,5 – 6,0 bar / 80 – 87 psi
Air consumption	100 Nl/min – 3.5 cu.ft/min Max. pressure drop of 0,5 bar / 7.25 psi
Suspension bracket	supplied with the tool

Advantages & Benefits

- The perfect solution where electrical powered tools, for safety or technical reasons, must not or cannot be used;
- Choose your own operation mode – manual or semi-automatic – using the external selection screw;
- Easy strap threading – both straps are inserted together;
- Sealing time and strap tension are easy to adjust, resulting in the best possible seal efficiency and appropriately tensioned straps, resulting in perfectly secured packages;
- In addition, strap tension can be blocked for a consistent seal result;
- A signalisation pin shows you the end of each strapping cycle, to warrant an optimal seal cooling time;
- Pneumatically powered, very reliable and maintenance-friendly;
- The compressed air, can be connected to the tool either on top of the main housing or at the rear end;
- For packages with a rough and hard surface, a bottom-base wearing plate is available as accessory;
- In cases where soft packages are to be strapped, a plastic bottom-base protection plate is available;
- This tool is ideal for a wide variety of vertical and horizontal strapping positions, suitable for almost all applications in various industries.

Datasheet P359

Pneumatic sealless plastic strapping tool

FROMM

STRAPPING
SOLUTIONS

Pneumatic sealless plastic strapping tool for heavy strapping



Characteristics

Strapping qualities:	Polyester (PET)	
Strapping dimensions:	widths	19.0 – 32.0 mm / 3/4 – 1 1/4"
	thicknesses	0.60 – 1.53 mm / .023 – .060"
Weight incl. bracket:	8.9 kg / 19.6 lbs	
Dimension without bracket:	L372 x W176 x H146 mm / 14.7" x 6.9" x 5.7"	
Average seal strength:	up to 75% (dependent on strap quality)	
Type of seal:	Friction weld sealing	
Strap tension:	2000 – 3500 N / 450 – 785 lbs (adjustable) or 4000 – 7000 N / 900 – 1570 lbs (adjustable)	
Tensioning speed:	120 mm/s / 4.7 inch/s or 60 mm/s / 2.4 inch/s	
Max. air pressure:	6.0 bar / 87 psi	

Suspension bracket supplied with the tool

Advantages

- Unique plastic strapping tool on the market
- The strapping tool can be used in two button (manual) or in one button operation mode (semi-automatic) by turning the adjustment screw for operation mode
- High tension force up to 7000N
- Ideal for heavy duty applications with strapping dimensions of 19 to 32 mm (3/4 to 1 1/4") and a thickness up to 1.53 mm (.060")
- Pneumatically powered reliable and service friendly tool
- The strap tension can be adjusted individually using the adjustment system – thus the package is secured with a perfectly tensioned strap
- The sealing time is set individually for a specific strap quality and thickness and a high seal strength is assured

Datasheet A452

Pneumatic pusher type steel strapping tool

FROMM | STRAPPING
SOLUTIONS

Pneumatic pusher type tensioner for round objects



Characteristics

Strapping qualities:	Uniflex and Ultraflex max. 1100 N/mm ² / 160'000 psi	
Strapping dimensions:	widths	19.0 – 32.0 mm / 3/4 – 1 1/4"
	thicknesses	0.63 – 1.27 mm / .025 - .050"
Weight:	4.35 kg / 9.6 lbs	
Strap tension:	8500 N / 1900 lbs (6 bar / 87 psi)	
Seals:	Overlap seals	
Sealing:	With separate sealer model A412 or A461	
Suspension:	Eye bolt for standard applications is supplied with the tool	

Advantages

- Very high strap tension up to 8500 N / 1900 lbs
- After tensioning, the tool stops to tension, but no strap tension ever is lost (free wheeling system)
- For safety reasons, the strap tension can be released at any time by pressing the black safety push button
- The rugged tool permits a high strap tension and is particularly suitable for applications in the steel- and steel processing industries
- The tension speed is very high
- Very silent operation of the tool
- The light tool is ideal for non stationary applications

Datasheet A461

Pneumatic sealer

FROMM | STRAPPING
SOLUTIONS

Pneumatic sealer



Characteristics

Strapping qualities:	Uniflex and Ultraflex max. 1100 N/mm ² / 160'000 psi
Strapping dimensions:	widths 19.0 – 32.0 mm / 3/4 – 1 1/4"
thicknesses	0.63 – 1.00 mm / .025 - .040"
Weight:	4.2 kg / 9.3 lbs
Average seal strength:	Approx. 75 %
Seals:	Overlap seals
Type of joint:	Double notch upcut joint
Tensioning:	With separate tensioner model A452
Two different working versions:	Version N = Handle 90° to the strap (normal) Version P = Handle parallel to the strap

Advantages

- The pneumatic sealer can be used easily with one hand only
- The safe upcut double notch joint is accomplished in one strike
- The seal safety mechanism prevents poor seal joints as a result of faulty operation of the tool by the user
- The tool can be supplied with the handle in a 90° angle to the strap (N-version) or with the handle parallel to the strap (P-version), the user may select the right tool for his application

Datasheet A480

Pneumatic steel strapping tool

FROMM | STRAPPING
SOLUTIONS

Pneumatic pusher type combination steel strapping tool



Characteristics

Strapping qualities:	Uniflex and Ultraflex max. 1100 N/mm ² / 160'000 psi
Strapping dimensions:	widths 10.0 - 19.0 mm / ³ / ₈ - ³ / ₄ "
thicknesses	0.38 - 0.63 mm / .015 - .025"
Weights:	4.5 kg / 9.9 lbs without suspension
	4.6 kg / 10.1 lbs with suspension
Average seal strength:	approx. 75 %
Seals:	Overlap seals, see chart
Type of joint:	Single notch joint
Strap tension:	The tool is available for two different stages of strap tension, see chart
Suspensions (Optional):	Suspension bracket for standard and vertical applications is supplied with the tool suspension bracket for horizontal and vertical applications; have to be ordered separately, see accessories

Advantages

- Very suitable for strapping of bars, bundles, pipes, coils and packages having a small surface
- If used for stationary operation the tool may be suspended on a spring loaded balancer using a suspension bracket (see suspensions)

TOOL REPAIRS

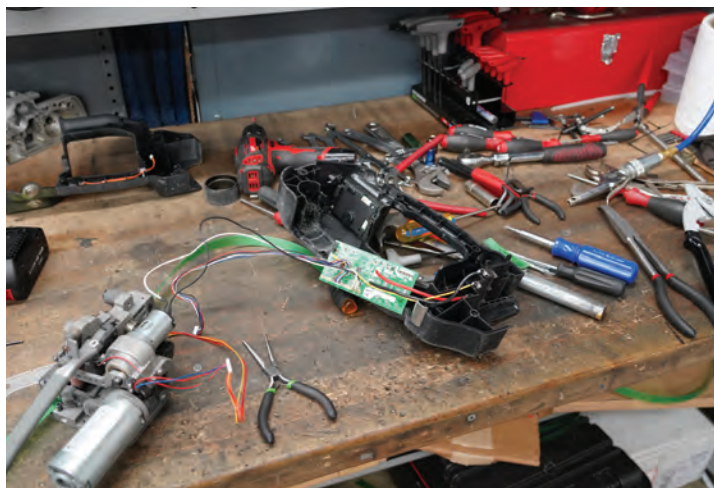
Need A Tool Repaired? Before checking out our new tools please remember we have a top notch repair and service center located in Exton PA. All our technicians are factory trained and we offer very competitive rates.

We repair all makes and models of strapping tools and equipment including Signode, Samuel, Orgapack, Fromm and many more.

Stocked parts

No charge repair estimates

Please visit our website for more details on the tool repair process <https://strapsolutions.com/tool-repair/repair-status/>



TECHNICAL TRAINING

Our talented technical staff offers training classes for service and maintenance technicians covering everything from power tools through advanced arch machines, palletizing equipment and systems. Contact us for more details on upcoming classes or creating a custom class for your needs!



Accessory Products



**Wire/
Plastic
Buckles**



**Edge
Protectors**



**Seals
for Plastic
Strapping**



**Strapping
Dispensers**



**Seals
for Steel
Strapping**

Buckles

We have been manufacturing metal buckles for over 34 years. We use first grade raw materials and rigid process controls to produce an excellent metal buckle that is easy to thread, consistent, and yields superior holding power. Used throughout the world, PAC metal buckles are the standard in the strapping industry. All PAC wire buckles are manufactured to meet ASTM Standard D3950.

Regular Duty Metal Buckles

Our patented PAC design metal buckle is engineered for easy threading and features our exclusive “S” lock to maximize holding power.

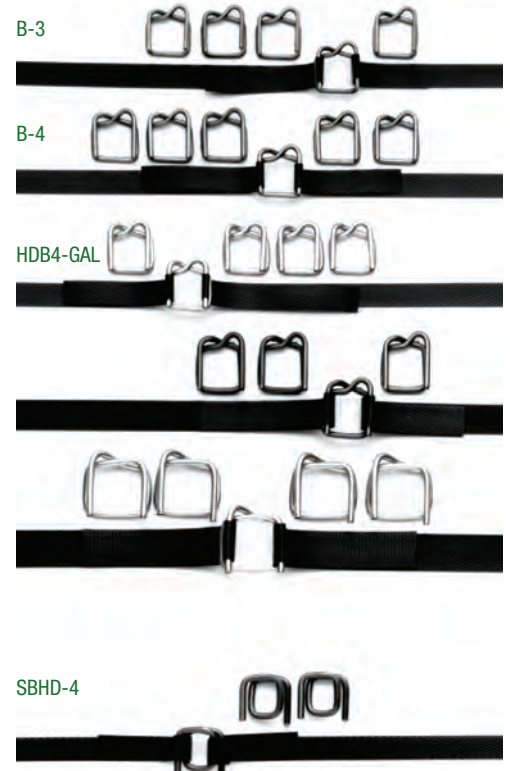
PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	FINISH	SHIPPING WGT. (lbs./M)
B-3	3/8	.092	Bright Basic	10
B-4	1/2	.105	Bright Basic	14
B-4L	1/2	.092	Bright Basic	11
SB-4*	1/2	.105	Bright Basic	11
B-5	5/8	.120	Bright Basic	20
B-6	3/4	.120	Bright Basic	23

*Square Design

Heavy Duty Metal Buckles

Heavy duty buckles are available in two designs. The square design is made especially for thicker gauge strap and heavy tension applications. The regular design is our own PAC design made from heavier gauge wire. PAC design heavy duty buckles are available in regular and galvanized finishes.

PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	FINISH	SHIPPING WGT. (lbs./M)
HEAVY DUTY - PAC DESIGN				
HDB-4	1/2	.120	Bright Basic	18
HDB-4GAL	1/2	.120	Galvanized	18
HDB-5	5/8	.135	Bright Basic	22
HEAVY DUTY - SQUARE DESIGN				
SBHD-4	1/2	.120	Bright Basic	16
SBHD-4.135	1/2	.135	Bright Basic	19
SBHD-5	5/8	.135	Bright Basic	20
SBHD-6	3/4	.135	Bright Basic	21



STRAPPING BUCKLES

Phosphate Coated Buckles

Phosphate coated buckles are generally used in polyester cord and rayon cord heavy duty applications. The phosphate coating affords some additional protection against corrosion, and also significantly improves joint efficiency when properly applied.

PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	PACKAGING PCS/CASE	FINISH	SHIPPING WGT. (lbs./case)
XHDB-6 PHOS	3/4	.160	1000	Bright Basic	43
XHDB-125 PHOS	1 1/4	.240	500	Bright Basic	37
XHDB-150 PHOS	1 1/2	.275	250	Bright Basic	31

XHDB-6PHOS



Galvanized Buckles

Galvanized buckles are frequently used with composite cord strapping and any applications where rusting will create a problem.

PRODUCT	STRAP SIZE (inches)	WIRE DIAMETER (inches)	PACKAGING PCS/CASE	SHIPPING WGT. (lbs./case)	CASES PER PALLET	SHIPPING WGT. PER PALLET
XHDB-5-GALV	5/8	0.140	1000	27	44	1162
XHDB-6-GALV	3/4	0.160	1000	38	44	1675
XHDB-8-GALV	1	0.200	500	41	44	1801
XHDB-125-GALV	1 1/4	0.275	250	48	44	2082



Plastic Buckles

Designed for light duty applications where corrosion resistance and / or a non-scratch product is important, PAC manufactures a range of plastic buckles to fit your demanding applications. For superior holding power and convenience, the patented "Bucklelok" design "locks" each leg into position to allow for pre-threading.

PRODUCT	STRAP SIZE (inches)	SHIPPING WGT. (lbs./M)
PLB-4	3/8 and 1/2	5
PLB-15HD	1/2 and 5/8	6
Bucklelok™	1/2	7

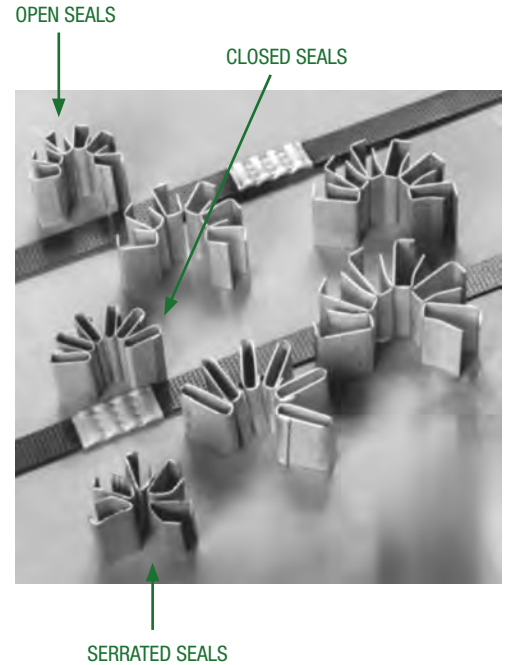


Seals

Seals for Plastic Strapping

PAC Seals are manufactured from the finest raw materials under carefully controlled conditions. They are known throughout the industry for quality, consistency and reliability. All standard open and closed seals are made to ASTM Standard D3950.

PRODUCT	STRAP SIZE (inches)	THICKNESS (inches)	SHIPPING WGT. (lbs./M)
OPEN SEALS			
S-30	3/8	.020	8
S-40	1/2	.025	12
S-40L	1/2	.020	10
S-50	5/8	.025	15
S-50L	5/8	.020	12
S-60	3/4	.025	18
CLOSED SEALS			
CS-40	1/2	.020	11
CS-50	5/8	.025	15



Seals for Combination Tools

Combination Seals are designed for use in specific tools. When ordering, please specify tool or comparable competitive seals. In addition to the stock sizes listed below, we carry a full line of seals for competitors tools.

PRODUCT	STRAP SIZE (inches)	DESCRIPTION	SHIPPING WGT. (lbs./M)
HSS-4	1/2	Serrated Seals	13
HSS-5	5/8	Serrated Seals	22
HSS-6	3/4	Serrated Seals	42

APPLICATION TIPS PLASTIC STRAPPING SEALS

OPEN SEALS

(S-30 through S-60) The most common plastic seal, open seals allow you to place the seal on after tensioning has occurred.

CLOSED SEALS

(CS-40, CS-50) Closed seals must be threaded onto the strap before tensioning. They are used most frequently with round packages or bundles.

SERRATED SEALS

(HSS-4 through HS5-6) These seals are made with “teeth” that actually grip the strap, yielding higher joints than traditional seals.

COMBINATION SEALS

For use in combination tools, these seals are tool-specific and have to be matched to the proper tools.

STRAPPING SEALS

Seals for Steel Strapping

All PAC steel strapping seals are made from precision tested galvanized steel. Engineered for high joint efficiency with regular duty and heavy duty steel, all PAC seals meet federal government standards, along with ASTM Standard D3953. In addition to the stock sizes listed, we can also supply steel seals for many combination tools, including Signode.

Regular Duty

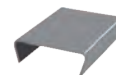
PRODUCT	STRAP SIZE (inches)	SEAL LENGTH (inches)	THICKNESS (inches)	SHIPPING WGT. (lbs./M)
OPEN SEALS				
OST38	3/8"	1.125	.020	5
OST48	1/2"	1.25	.020	6
OST58	5/8"	1.25	.020	8
OST68	3/4"	1.25	.020	10
OVERLAP SEALS (PUSH TYPE)				
PT38	3/8"	.875	.025	7
PT48	1/2"	.875	.025	9
PT58	5/8"	.875	.025	10
PT68	3/4"	.875	.025	12



APPLICATION TIPS PLASTIC STRAPPING SEALS

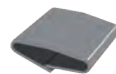
OPEN SEALS

(OST Type) The most common seal for regular-duty applications, open seals allow you to place the seal on after tensioning has occurred. Also occasionally referred to as snap-on seals.



PUSH TYPE

(PT Type) Sometimes called full overlap seals, push type seals are used with round bundles, and with pusher tools in heavy-duty applications. These seals must be threaded on prior to application.



Heavy Duty

PRODUCT	STRAP SIZE (inches)	SEAL LENGTH (inches)	THICKNESS (inches)	SHIPPING WGT. (lbs./M)
OPEN SEALS				
OST68HD	3/4	1 3/4	.030	25
OST125HD	1 1/4	2 1/4	.030	47
OVERLAP SEALS (PUSH TYPE)				
PT68HD	3/4	1 3/4	.030	34
PT125HD	1 1/4	2 1/4	.030	68

Edge Protectors

PAC strapping Products, Inc. manufactures the broadest line of plastic edge protectors in the industry.

For use with both steel and plastic strapping, PAC corners cushion your product and allows the strap to be tightened to its maximum tension without damaging the package. Each plastic corner is constructed from a specially formulated resin and is ribbed to hold the strapping firmly in place. Steel corners meet all Federal and GSA specifications.

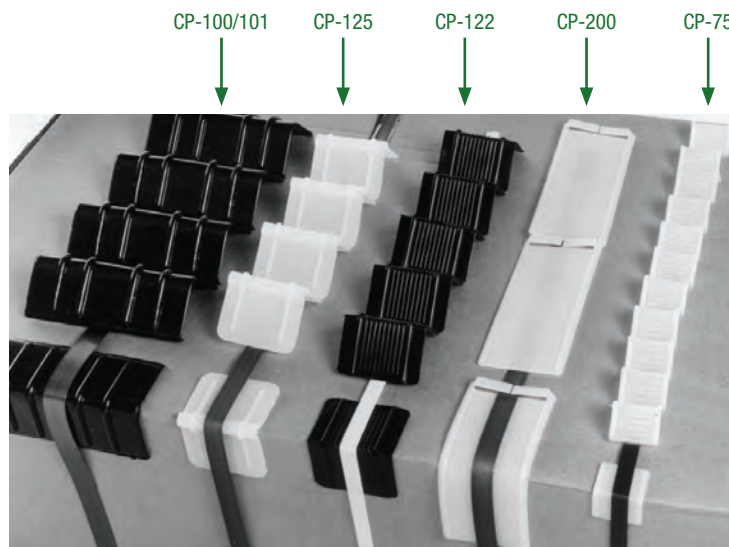
Colors: Stock plastic corners are white or black. Both CP-75's and CP-125's are also available in blue, red, or yellow, subject to a 50 case minimum. Please specify color when ordering.



PRODUCT	STOCK COLOR	WIDTH (inches)	LEG LENGTH (inches)	MAXIMUM STRAP SIZE	SHIPPING WGT. (lbs./M)	PACKAGING PCS/CASE	CASES PER PALLET
CP-75	White	1 3/8	1	3/4	8	1000	60
CP-125	White	2 1/2	2	1 1/4	30	1000	36
CP-100*	Black	5 1/4	2	1 1/4	100	200	36
CP-101	Black	5 1/4	2	1 1/4	100	250	30
CP-122	Black	2 1/2	1 3/4	1 1/4	27	1000	24
CP-200	White	2 1/2	6 (Flat)	2	40	500	24
SCP125HD**	(Steel)	3	2	1 1/4	140	500	24

*CP-100 corners have four inside points which penetrate the outside layer of your carton to hold the corner in place

**Steel corner protector



Strapping Dispensers

Plastic and Steel

All PAC strapping dispensers are manufactured utilizing the highest quality material and workmanship. High yield structural tubing, heavy load bearing wheels and solidly constructed brake assemblies result in dispensers that will give you years of dependable performance.

DSP HD Deluxe Dispenser

The DSP HD is a heavy duty dispenser designed for use with all oscillated wound steel coils and 16" plastic coils. In addition to a convenient tray for tools and seals, and 8" wheels, it features the exclusive strap roller payoff system to prevent kinks and strap spill-over.



DSP HD



DSP STD

DSP STD Standard Dispenser

Our best selling model, the DSP STD can be used for both steel and nonmetallic strapping. Features include an automatic brake, heavy duty 6" wheels, and a tool tray. This cart is extremely versatile and accepts 3", 6", and 8" face coils as well as 16" and 8" cores.

DSP OSC Heavy Duty Dispenser

This unit has a continuous handle heavy duty tubular frame. It comes complete with a large tool tray, automatic brake, and 8" semi-pneumatic wheels. It accepts 16" core coils in face sizes up to 6" and is compatible with steel and nonmetallic strapping.



DSP OSC

DSP-TOOL Heavy Duty Mobile Strap Dispenser

Heavy-duty mobile strap dispenser with Tool Mast & Tool Balancer. Heavy-Duty steel frame with durable enamel finish, 10" back wheels with lockable front castors. Designed for plastic or steel strapping and compatible with 8" or 16" inner core. A great solution to reduce expensive tool repair costs as a result of drops ergonomically designed to reduce pressure on hands and wrists. **Tool not included*



DSP-TOOL

DSP XHD Extra Heavy Duty Dispenser

The DSP XHD is an extra heavy duty dispenser designed for outdoor use with all 16" heavy duty Polyester coils. With two cart trays and pneumatic wheels, DSP XHD rolls seamlessly across rugged terrain including dirt, gravel, and rocky areas found in lumber and brick yards. It features an exclusive strap roller payoff system to prevent kinks and strap spill-over and is a great addition for your heavy duty (1" and wider) Polyester Strapping needs.



DSP XHD

PLASTIC & STEEL STRAPPING DISPENSERS

RWD125 Ribbon Wound Dispenser

This is a heavy duty, continuous handle, tubular constructed dispenser. Designed for use with ribbon wound 1 1/4" steel, this unit is complete with 10" semi-pneumatic wheels, and an extra large tool tray.

RWD2020 Strap Truck

Designed for ribbon wound steel, the RWD 2020 holds up to 3 ribbon wound coils, has space to store heavy duty tools and seals, and oversized wheels for ease of handling. This is a well constructed heavy duty cart suitable for the most demanding applications.

PRODUCT	CORE SIZE	STRAP TYPE	SHIPPING WGT. (lbs.)
DSP CORD	3x6, 4x6	Cord, 6" Plastic Wheels	28
DSP ECONOMY CORD	3x6, 4x6	Cord	11
DSP HD	16x3, 16x6	Plastic, Steel, 8" Plastic Wheels	58
DSP OSC	16x3, 16x6	Plastic, Steel, 8" Plastic Wheels	58
DSP STD	8x8, 16x3, 16x6	Plastic, Steel, Cord 8" Plastic Wheels	48
DSP-TOOL	8x8, 16x3, 16x6	Plastic/Steel	145
DSP XHD	16x6	Plastic, 16" Pneumatic Wheels	165
RWD125	Ribbon Wound	Steel	74
RWD2020	Ribbon Wound	Steel	54



DSP CORD



RWD125



RWD2020



DSP ECONOMY CORD

Strapping Kits



Plastic
Strapping
Kits



Cord
Strapping
Kits



Steel
Strapping
Kits



STRAPPING KITS

The PAC family of strapping kits offers wholesalers of both plastic and steel strapping an excellent opportunity to increase sales and profits by efficiently servicing those markets that need a complete strapping set up. With the PAC family of kits, there is no need to inventory separate components, do any packaging, or send a sales rep out to do a demo. PAC kits are available in both steel and plastic, and come in several sizes and varieties for a wide range of applications.

We are also happy to build specialized kits for unique applications.

Plastic Strapping Kits

Strap PAC

This basic kit is still our best selling plastic strapping kit. Available in four different styles, this convenient kit contains everything needed for a complete, self-contained, light duty strapping system. Designed for low volume and multi-station users, the Strap PAC is portable and economical.

Econo PAC

Available in both regular and heavy duty, this complete, self-contained kit contains everything necessary to handle a wide range of applications. Packaged in a double wall self dispensing carton, Econo PAC's are ideal for first time users and multi-location buyers.

All PAC-Polypropylene

CSS1200

This is the ultimate strapping kit designed for the customer who wants a premium strapping system. The All PAC complete strapping system is equipped with everything needed including a heavy-duty, durable dispenser cart.

All PAC-Polyester

PSK48

The PSK48 is a complete strapping kit for those applications requiring the special characteristics of polyester strap. Everything is included in one carton containing strap, tools, seals, and a dispenser, all matched to give you a complete polyester strapping system.

PSK58

Similar to the PSK48, this version includes extra heavy duty 5/8" polyester for the most demanding applications. All accessories and tools are sized accordingly.

Postal Kit

Postal Kit Plus

This inexpensive kit comes complete with post office recommended white strapping, plastic buckles, and a simple tensioning and cutting tool. It is packaged in a self-dispensing carton, has complete instructions, and contains enough material to strap 500 trays.

Steel Strapping Kits

Portable Steel Kits

PAC portable kits are complete self-contained steel strapping systems. Available in three sizes, these kits are perfect for the occasional to moderate user of steel strapping. All Steel PAC's are completely portable making them ideal for use at remote job sites.

Jumbo Steel Kits

Jumbo Steel Kits are complete steel set ups with everything needed to begin your steel strapping operation immediately. All jumbo steel kits are shipped with full size steel coils, seals, tools, a heavy duty dispenser, and complete instructions. Jumbo steel kits are available in several different sizes for both flat packages and round bundle applications.* All jumbo steel kits are shipped complete, with steel pre-loaded on the dispenser, and on their own specially designed pallets for easy transport and re-shipping.

Replacement Stock

Steel & Plastic

Strapping and seal replacements kits are available for all Econo PAC's, All PAC's, All PAC's, and Steel PAC's.

*Kits for round bundle applications include pusher tools and seals.

PLASTIC STRAPPING KITS

Strap PAC

PRODUCT	CONTENTS	SHIPPING WGT. (lbs.)
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KITS FOR FLAT LOADS

SP-W	3000ft. light duty strapping 300 wire buckles 1 hand pull tensioner	14
SP-P	3000ft. light duty strapping 300 plastic buckles 1 hand pull tensioner	9
Postal Kit Plus	3000ft. Post Office recommended 1/2" white polypropylene strapping 500 plastic buckles 1 tensioning & cutting tool Complete, simple instructions Packaged in a self-dispensing carton	12



SP-W



EP48

Econo PAC

HP48	9000ft. 1/2" 400lb. strapping 1000 wire buckles 1 hand pull tensioner	38
EP48	9000ft. 1/2" 4light duty strapping 1000 1/2" open seals 1 tensioning tool 1 sealing tool	44
EP48HD	7200ft. 1/2" heavy duty strapping 1000 1/2" open seals 1 heavy duty tensioning tool 1 sealing tool	46



POSTAL KIT PLUS

All PAC

POLYPROPYLENE

CSS1200	3600ft. 1/2" heavy duty strapping 500 1/2" open seals 1 heavy duty tensioning tool 1 sealing tool 1 mobile strapping dispenser	78
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POLYESTER

PSK48	5800ft. 1/2" 775# polyester strapping 500 high joint strength seals 1 heavy duty tensioning tool 1 polyester sealing tool 1 mobile strapping dispenser	111
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POLYESTER

PSK58	4000ft. 5/8" 1400# polyester strapping 500 high joint strength seals 1 heavy duty tensioning tool 1 sealing tool 1 mobile strapping dispenser	125
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CSS1200/PSK48/PSK56

CORD STRAPPING KITS

Heavy Duty Cord Kit

Designed to replace steel strapping in many applications, the PAC heavy duty CORDKIT is a complete kit that contains everything needed to start strapping. The CORDKIT is ideal for job sites, lumber and construction applications, as well as a host of applications where steel is too heavy, too costly, and too dangerous. Each kit is packaged in a heavy duty, reusable tool kit and individual replacement components are available from your local distributor.

Cord Kit	A 250ft. coil of heavy duty (250lbs. break strength) polyester cord	20
	1 PST-Cord tensioning tool	
	50 Heavy duty phosphate coated buckles	
	A reusable tool kit	



CORDKIT

Heavy Duty Cord Kit for Round Bundles

Similar to the Heavy Duty Cord Kit, the RB kit is specifically designed for round bundles and hard to get applications. The kit includes an easy to use strapping dispenser with a tray for wire buckles, a special tool with a nose function, heavy duty cord strapping, and phosphate coated heavy duty buckles.

CORDKIT-RB	1 250ft. coil of 3/4" heavy duty (2500lbs. break) Polyester cord strapping	16
	1 cord strapping dispenser	
	100 heavy duty phosphate coated wire buckles	
	1 PST-RB strapping tensioner designed for round or small strapping applications	

CORDKIT-RB



STEEL STRAPPING KITS

Portable Steel Kits for Flat Loads

PRODUCT	CONTENTS	SHIPPING WGT. (lbs.)
SK48	Two 200 foot coils 1/2"x.020 steel 500 OST48 Open Steel Seals 1 OM75 Tensioner A480 Double Notch Crimper 1 SC75 Cutter Re-Usable Steel Carrying Case Instructions	35
SK58	Two 200 foot coils 5/8"x.020 steel 500 OST48 Open Steel Seals 1 OM75 Tensioner A580 Double Notch Crimper 1 SC75 Cutter Re-Usable Steel Carrying Case Instructions	39
SK68	Two 200 foot coils 3/4"x.020 steel 500 OST48 Open Steel Seals 1 OM75 Tensioner A680 Double Notch Crimper 1 SC75 Cutter Re-Usable Steel Carrying Case Instructions	39

Portable Steel Kits for Round or Irregular Loads

PRODUCT	CONTENTS	SHIPPING WGT. (lbs.)
SK48-RB	Two 200 foot coils 1/2"x.020 steel 500 PT48 Push Type Steel Seals 1 PF-PAC Tensioner 1 S480SN Single Notch Crimper 1 SC75 Cutter Re-Usable Steel Carrying Case Instructions	35
SK58-RB	Two 200 foot coils 5/8"x.020 steel 500 PT58 Push Type Steel Seals 1 PF-PAC Tensioner 1 S580SN Single Notch Crimper 1 SC75 Cutter Re-Usable Steel Carrying Case Instructions	39
SK68-RB	Two 200 foot coils 3/4"x.020 steel 500 PT68 Push Type Steel Seals 1 PF-PAC Tensioner 1 S680SN Single Notch Crimper 1 SC75 Cutter Re-Usable Steel Carrying Case Instructions	39



PORTABLE STEEL KITS

**REPLACEMENT COILS AND SEALS CAN BE PURCHASED SEPARATELY*

STEEL STRAPPING KITS

Jumbo Steel Kit

The Jumbo steel kit contains everything needed to begin steel strapping operations, all packaged in one heavy duty carton and packaged on a special skid.

PRODUCT	CONTENTS	SHIPPING WGT. (lbs.)
JSK48	A coil of 1/2"x.020" steel strapping (2940ft.) 500 galvanized open seals (OST48) A heavy duty feed wheel tensioner (OM75) A sealing tool (A480) A heavy duty full size strapping dispenser (DSP-HD) Complete instructions	180
JSK58	A coil of 5/8"x.020" steel strapping (2360ft.) 500 galvanized open seals (OST58) A heavy duty feed wheel tensioner (OM75) A sealing tool (A580) A heavy duty full size strapping dispenser (DSP-HD) Complete instructions	180
JSK68	A coil of 3/4"x.020" steel strapping (1960ft.) 500 galvanized open seals (OST68) A heavy duty feed wheel tensioner (OM75) A sealing tool (A680) A heavy duty full size strapping dispenser (DSP-HD) Complete instructions	180

Jumbo Steel Kits for Round Bundles

Similar to the Jumbo Kits for regular and flat packages, the RBK kits are full strapping systems designed for round bundles and hard to get to places.

RBK48	1 coil of 1/2"x.020" steel strapping (2940ft.) 1 heavy duty push type tensioner 1 sealing tool designed for round packages 1 steel strapping cutter, 500 push type seals, and instructions. Steel, and contents are pre-loaded on a heavy duty mobile strapping dispenser.	180
RBK58	1 coil of 5/8"x.020" steel strapping (2360ft.) 1 heavy duty push type tensioner 1 sealing tool designed for round packages 1 steel strapping cutter, 500 push type seals, and instructions. Steel, and contents are pre-loaded on a heavy duty mobile strapping dispenser.	180
RBK68	1 coil of 3/4"x.020" steel strapping (1960ft.) 1 heavy duty push type tensioner 1 sealing tool designed for round packages 1 steel strapping cutter, 500 push type seals, and instructions. Steel, and contents are pre-loaded on a heavy duty mobile strapping dispenser.	180



JUMBO STEEL KITS

**REPLACEMENT COILS AND SEALS CAN BE PURCHASED SEPARATELY*



Distributed by:

Products are sold by packaging and material handling distributors throughout the United States and internationally.

General Offices:

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ph 610.363.8805 / fx 610.363.7349

Visit our website at: **www.StrapSolutions.com**

Manufacturing and Warehouse Facilities:

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4776 Charlotte Highway, Lancaster, SC 29720