

PSF Power Strap Feeder



Signode PSF Power Strap Feeders bridge the gap between manual hand strapping and fully automatic power strapping machines for medium to high throughput applications. On some models the PSF enables one operator to strap large loads with PET strap and also apply edge-protection to the top load edges with the optional automatic applicator unit. Strapping can be applied with a pneumatic or battery hand tool



PSF with bayonet for strapping pallets, the strap is passed through the pallet by the bayonet to close the strap chute for the operator to strap the load



For long products or to apply straps at various positions along a load the PSF can index on the floor or be installed on an overhead frame

PSF Power Strap Feeder

The Signode PSF range is very flexible operator controlled system and has a large number of options available for pallet and pallet less load strapping. This enables most customer applications for medium to high throughput strapping and packaging to be satisfied. The PSF as a single operator station reduces manpower needs, enables efficiency to be improved and raises packaging consistency. The PSFs can be delivered for use with Signode's high performance Tenax® PET or Steel strapping materials .

- Medium production throughputs – to cater for production lines of up to 40 pallets/hour .
- Maximum machine up-time - due to simple PSF head strap feeder design
- Easy strap feed up around the load - increases machine and operator efficiency
- Ergonomic design- reduces operator fatigue and effort – higher quality packaging
- Improved load securement & package stability - consistent strap tension using Signode hand tools
- Lower cost of ownership - easy service & low maintenance needs

The machine is built as standard with heavy-duty framework to suit the customer plant location. The unit has a heavy-duty strap chute with full-length or telescopic strap chutes for high-speed strap feeding and accurate and importantly vertical strap positioning onto the load. The standard strap feeder is the PSF-1 Modular head for heavy-duty 12-19 mm Tenax® PET polyester or 13-19 mm steel strapping.

PSF Options

- Bayonet for through pallet void strapping
- Fixed strap chute for pallet-less loads
- Manual wooden batten feeder and lifter
- Entry and exit roller conveyor sections
- Loop strap auto re-feed
- PET Jumbo coil strap dispenser 73 kg
- PET Superjumbo coil strap dispenser 135 kg
- Combi model for Steel & PET strap use
- Automatic top edge applicator unit
- Indexing model as floor-based or on overhead framework
- Other RAL colour finishes available.

Technical Specifications

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|------------------------|---------------------|
| • Pack Width Min | 500 mm |
| • Pack Width Max | 2.500 mm |
| • Pack Height min | 100 mm |
| • Pack Height max | 2.000 mm |
| • Strap Sizes | 9 - 19 mm |
| • Strap Types | PET and Steel |
| • Strap Feed Speed | 1 m /sec. |
| • Controller | relay or PLC |
| • Pneumatic connection | 6 Bar, 150L / cycle |
| • Power. Connection | 400 V 3Ph 50Hz |
| • Power Consumption | 0,7 KVA |
| • Control Voltage | 24 V DC |
| • Strap Dispenser | 25-50 kg coil std. |
| • Machine weight | 3-500 kg approx. |



PSF loop for auto strap re-feed to reduce operator effort model with VT pneumatic hand tool for PET Tenax® Polyester heavy duty strapping



Simple overview showing PSF to strap coils around, the circumference in a heavy-duty metals industry application