

PSF-34-100-114-CH 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 coils with steel and/or PET strapping. The strapping can be applied with a pneumatic or battery hand tool. Model above shows optional steel strap seal applicator/bender unit.



PSF for strapping coils on mill exit conveyor. The strap passes around the coil and the seal is applied to the strap and then secured by the operator with a tool



PSF located at the exit of the rolling mill. The coil can be strapped circumferentially using the pneumatic combination push-type PRH-R-34,100 or 114 steel strapping hand tool

PSF-34-100-114-CH 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 13-32 mm steel strapping.

PSF Options

- Bayonet for through-the-void strapping
- Fixed strap chutes under load
- Seal feeder and bender unit
- Loop strap auto re-feed
- PET Jumbo coil strap dispenser 73 kg
- PET Superjumbo coil strap dispenser 135 kg
- Jumbo/superjumbo strapping coil loading crane
- Indexing model on floor base or on overhead framework
- Other RAL colour finishes available.

Technical Specifications

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|------------------------|-----------------------|
| • Coil Diameter Min | 500 mm steel |
| • Coil Diameter Min | 800 mm polyester |
| • Coil Diameter Std | 2.200 mm |
| • Coil Width max | 2.000 mm |
| • Strap Sizes | 19 - 32 mm |
| • Strap Types | PET and Steel |
| • Strap Feed Speed | 1 m /sec. |
| • Controller | Relays or PLC |
| • Pneumatic connection | 5,5 Bar, 200L / cycle |
| • Power. Connection | 400 V 3Ph 50Hz |
| • Power Consumption | 2-3 KVA |
| • Control Voltage | 24 V DC |
| • Strap Dispenser | 25-50kg standard |
| • Machine weight | 500 kg approx. |



PSF loop for auto strap re-feed to reduce operator Effort, model with a pneumatic hand tool for PET



Simple overview showing PSF to strap sheet metal metal cladding products - moving version over 10m