

GCU 2500 Modular Pallet Strapping Press



The GCU-2500 integrated into a Signode pallet packaging line including roller conveyors, optional load turntable and Signode Octopus stretch-wrapping equipment and Signode safety system, guarding supplied as a complete turn-key project. Equipped with telescopic strap chutes to accommodate varying load heights, the loads can be compressed and strapped at any height without affecting the packaging line throughput



GCU 2500 machine platen with electrical frequency drive and twin telescopic strap chutes. Machine has the new powered strap dispensers with auto strap re-feed system



Another line overview with press and Octopus stretch wrapper in a delivery which was integrated in a new packing line for improved packaging performance

GCU 2500 Modular Pallet Strapping Press

The Signode GCU 2500 modular pallet compression and strapping machine has been developed with a highly flexible design with a wide range of machine options. The GCU press suits most customers needs to compress and secure their materials onto pallets using Signode's high performance Tenax® PET strapping materials. The press has, as a basic unit, two strapping bayonets, chutes and two MHC strapping heads.

- High production throughputs – to cater for production lines of up to 120 pallets/hour .
- Maximum machine up-time - due to simple MHC head and feeder design- with “easy-out” modules
- Easy strap accumulation, feed up and re-feed from the powered dispensers – increases machine uptime
- Improved load securement & package stability - consistent strap tension using PET strap and MHC head
- Lower cost of ownership - easy service & low maintenance needs on MHC modules

The machine is built as standard with heavy-duty frame, heavy-duty compression platen with variable drive, for low maintenance. Telescopic strap chutes enable high-speed strap feeding, accurate and most importantly vertical strap positioning onto the load. The MHC Modular head is for high-performance 9mm to 12mm Tenax® PET polyester strapping. The GCU 2500 unit has 30 standard selectable strap programmes.

GCU Options

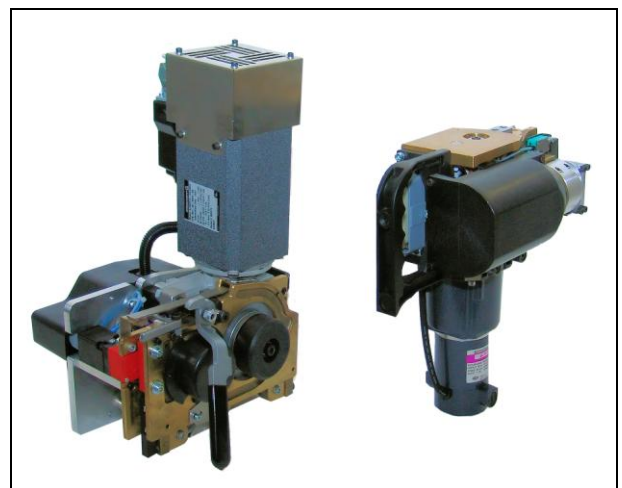
- Third strap chute & indexing bayonet
- Fourth strap chute & indexing bayonet
- Fixed strap underchutes in conveyor
- Entry and exit roller conveyor sections
- Entry conveyor with pallet centering device
- Conveyor riser kit to 350 mm
- Plain roller conveyor under press platen
- Pallet turntable located inside the press
- Pallet turn-cross located inside the press
- Top edge-protection applicator units for corrugated strips 300 x 800 mm
- Full Load positioning & conveyor controls
- Full machine safety guarding packages
- Spare strap sealing and feed modules
- Other RAL colour finishes available.

Technical Specifications

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|---------------------|------------------|
| • Pack Width Min | 500 mm |
| • Pack Width Max | 2.550 mm |
| • Pack Height min | 500 mm |
| • Pack Height max | 2.450 mm |
| • Compression | Up to 2.500 kg |
| • Conveyor height | 310 mm min. |
| • Strap Sizes | 9 - 12 mm |
| • Strap Types | PET Polyester |
| • MHC strap tension | 80-900 N |
| • Strap Feed Speed | 3 m /sec. |
| • Strap centers | 425, 610, 795mm |
| • Controller | Siemens S7-200 |
| • Power Connection | 400V,3 Ph,50 Hz |
| • Power Consumption | 7 kVA |
| • Control Voltage | 24 V DC |
| • Paint Finish | RAL 6000 Green |
| • Machine weight | 5.000 kg approx. |



Seen here is the integrated pallet turn-cross located inside the press in the roller conveyor. The maximum pallet load weight which can be handled is 1.500 kg



MHC-Feed and Sealer units weight 12kg & 10kg each so are very easy to service and maintain and give easy access for service & maintenance needs