

GCU-NG



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Corrugated unitizing strapping machine

Enhance Flexibility

Two modular, quick-change strapping heads allow for numerous strap placement options

Optimize Performance

Load compression and variable head tension for optimal load integrity

Maximize Throughput

Capacity of up to 200 loads per hour meeting today's production demands

Easy Operation

Up to 30 strapping recipes can be stored and accessed via the operator HMI display

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Corrugated unitizing machine

The GCU-NG compression strapper unitizer brings customers higher processing speeds and top efficiency levels at a low cost of ownership. Equipped with either 1 or 2 strapping heads combined with up to 4 strapping chutes, the GCU-NG can be configured for almost all production scenarios. Additional performance options also available.

Features and Benefits

■ Higher Operating Speeds

The standard configuration delivers up to 130 pallets and optionally up to 200 pallets per hour easily meeting today's production demands.

■ More Uptime Through Remote Support

Remote equipment analysis (optional) is a key feature in quickly establishing the machine status. A Signode team of skilled engineers provide remote support to put the equipment back in production again.

■ Package Quality and Product Protection

Top and Bottom Edge Protection applicator technology results in optimum package presentation and appearance supporting customer acceptance. Both edge protection applicators are easily accessible for refilling purposes.

■ Low Energy Consumption

The GCU-NG press is equipped with energy efficient drives and motors resulting in a small CO2 footprint. Active Energy Recovery is obtained through the optionally available SIG-KERS System.

■ Low Cost of Ownership

The GCU-NG offers low cost through durable parts and energy efficient components. The HMI Service Module alerts for on time service requirements.

■ Ease of Operation

A large interactive HMI display guides the operator through the setup and operation of the equipment. Large symbols allow for an intuitive and language independent operation. Up to 30 individual strapping programs can be stored via the HMI display. Format changes become a matter of seconds and do not require any manual adjustment.



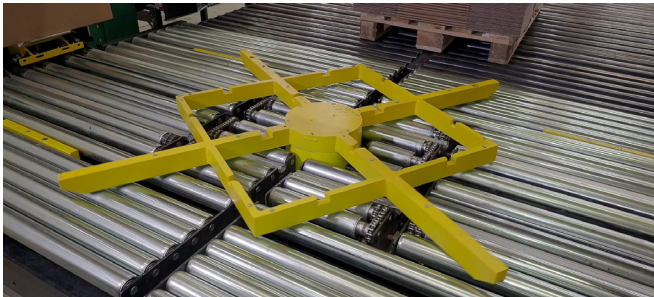
■ High Pack Stability with Accurate Dimensions

Repeatable compression levels up to 2.500 kg lead to accurate pack dimensions. This is a precondition for safer and optimum transport conditions. Repeatable height compression levels result in better utilisation of storage systems and truck load volumes.



■ Accurate Package Handling

Pallet loads of up to 1.500kg can be quickly turned by either Turn-Cross, TurnGrid or Turn-Table inside the press. Minimum time is needed even for more complex strapping patterns.



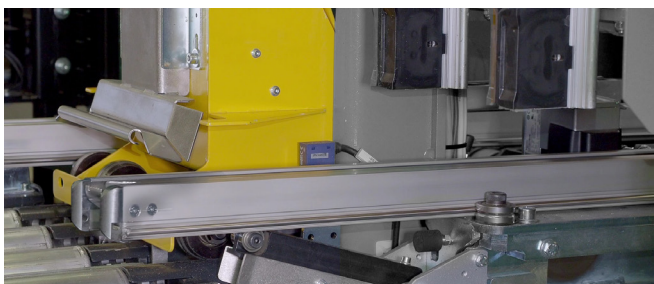
■ Ease of Maintenance

More uptime and higher efficiency is reached through the use of modular strapping heads allowing for a quick change action during production and off-line repair and maintenance.



■ Multiple Strapping Patterns for a Quality Package

Through the combination of two indexing Pallet Void Feeder Attachment (PVFA) units and up to four strap chute systems multiple strap patterns can be applied allowing a wide range of different products to be packed.



■ Automatic Strap Loading and Refeed

Changing a coil of strapping becomes a simple & easy task with the support of automatic strap feeding right into the strapping module. The installation is quickly back in operation again.



■ MHC Feeding and Sealing Modules

Both light-weight modules can be quickly exchanged leading to higher production levels for fault analysis or offline maintenance.



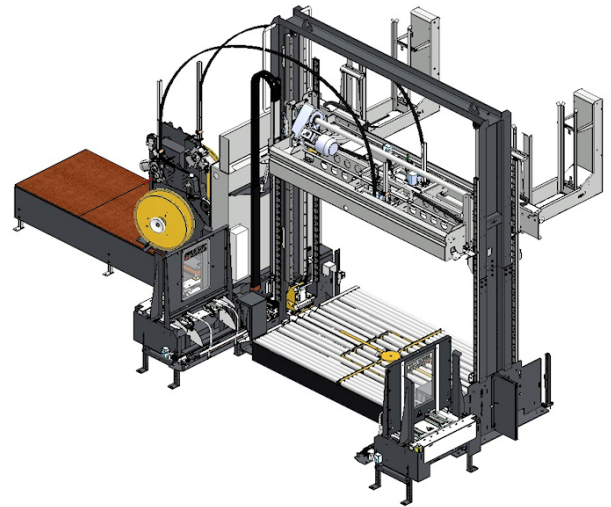
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Optional Equipment

- Third & fourth strap chute plus indexing PVFA
- Fixed strap chutes fully integrated in the press conveyor
- Press conveyor with or without pallet Turn-Cross, Turn-Grid or Turn-Table
- Entry and exit conveyors
- Entry conveyor with Pallet Centering device
- Bottom Edge Applicator (BEA)
- Top Edge Applicator (TEA)
- Full load positioning & conveyor controls
- Up to 100 strapping programs
- Muting System
- SigCure extended press platen security device
- SigKers - Kinetic Energy Recovering System
- Spare MHC Feeding/Take-Up & Sealing Module
- Individual paint color finishes



GCU-NG Technical Specifications

Speed (standard)	Up to 130 pallets / hour *
Speed (optional)	Up to 200 pallets / hour *
Conveyor	Variable speed up to 18m / min
Load Compression	Up to 2,500 kg
Conveyor Height	305 to 400 mm (Standard 350 mm)
Strapping	Tenax® PET Polyester flat 9 to 12.5 mm Tenax® 1616, 9 x 0,52 mm Tenax® 1617, 9 x 0.57 mm
MHC Strap Tension	80 to 900 N
Power	400 - 480 V, 50 Hz, 3 phase
Power Input	10 kVA
Control Voltage	24 V, DC
BEA Capacity	120 pieces per cassette per side
TEA Capacity	175 pieces per cassette per side
Sheet Dimensions	750 x 250 x 6,5 mm standard
Machine Weight	5,000 kg approximatley

* Depending on load size, conveyor speed, compression level and strap pattern.

Related Products

- Tenax® Strapping

