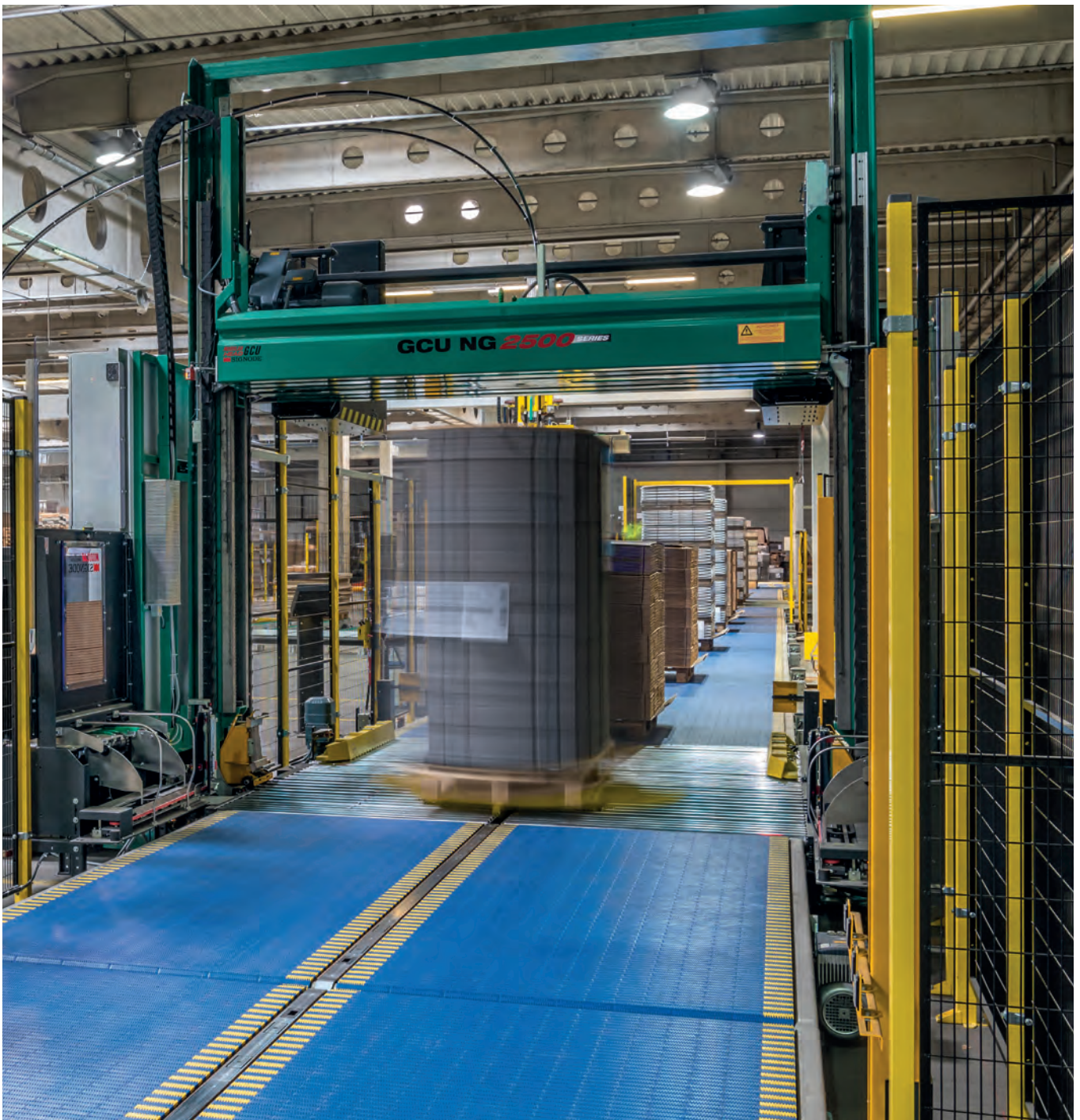


# GCU-NG 2500

## TECHNICAL DATA SHEET

Pallet compression and strapping station



## TECHNICAL DATA

Strapping head	Top mounted sealing head MHC Strapping head moves on the platen
Strap feed speed	3 m/sec
Platen speed	Approx. 160 mm/s
Compression levels	Up to 2.500 kg
Strap type	9 - 12,5 mm Tenax PET
Strap tension	80-900 N Strap tension equaliser on the head guarantees consistent strap tension around the packaged goods
Sealing method	Friction weld
Strap centres:	425, 610, 795 mm
Conveyor height	Min. 305 mm
Chute dimensions	See table
Chute type	Bayonet for palletized loads
Power requirements	400-480 V AC, 50 Hz, 3PE
Rated power	10 kVA
Ambient temperature	5-35 °C
Control voltage	24 V DC
Throughput	Up to 150 pallets/h, 2 parallel straps (at 14 m/min conveying speed)
Machine weight	Approx. 5.000 kg
Load Dimensions	Max. Load height 2.600mm Min. Load height 500 mm Max. Load width 2.600mm Min. Load width 500 mm
Strap coil core	Ø 406 mm (inner) Width 152 mm
Electrcial panel	Integrated on machine
Control panel	Free-standing HMI operator panel
Colours	Machine frame: Patina Green, RAL6000 Control panel mounted on machine: Light Grey, RAL7035 Free standing operator desk: Black Grey, RAL 7021

## STANDARD EQUIPMENT

- Machine frame in heavy duty steel construction
- Strong high-speed, light-weight platen design
- Strapping head floating, easily removable for service
- Heavy duty rack and pinion platen drive
- Telescopic strap chute with flap opener
- Aluminium profile bayonets with recessed drive chain
- Integrated electrical panel on the machine equipped with all machine components
  - Main switch / Emergency Stop / Controller System Start
- Free-standing operator control panel plinth with HMI 10" standard version
  - All functions can be selected via touch screen
  - Simple and easy to understand menu structure
  - Available in different languages
- The strapping machine sends the following signals
  - Conveyor release
  - Emergency Stop
  - Emergency Stop circuit closed
  - Door safety switch closed
  - Strapping finished
  - General fault display
  - Automatic
  - Error message display
- Free-standing modular dispensers with feeder
- Automatic strap feed-up to heads

The PET straps used for the application must correspond with the strap specifications recommended by Signode.

\*Depends on the package dimensions, conveyor speed and strap tension.



## STANDARD STRAPPING HEAD

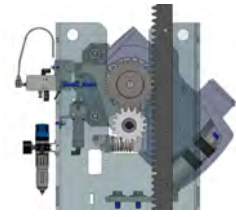


- **MHC Sealer and feeder**
  - Unique two piece modular system
  - Friction welding system
  - PET strapping
  - Strap tension 80–900 N
    - Width: 9–12.5 mm, flat
    - Thickness: 0.45–0.7 mm
  - 3 m/sec strap feed, take-up speed

## OPERATION & SAFETY



- **10" HMI operator panel**
  - Menu-navigated operation
  - Individual languages
  - All functions can be selected via touch screen



- **Safety**

SIG-Cure additional and optional platen safety device fully independent from standard machine safety system.

## STANDARD VERSION



- **Long service life and low maintenance**

Premium industrial components, e.g. SEW motors, controlled by frequency inverters for quick operation and exact load compaction.



- **HMI Panel**

Free standing operator control panel can be positioned anywhere around the machine- cable length ~8m.

## OPTIONS



- **Turncross conveyor**

Accurate load positioning and simple handling onto the lifting device, loads up to 1500 kg can be easily lifted and rotated.



- **Top EP applicator**

Easily and safely reloadable the unit can optionally move to the outside of the platen for even easier reloading.



- **Bottom EP applicator**

Easily and safely reloadable at any time the units hold 120 sheets and position strips to protect the products during strapping.



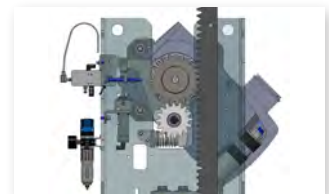
- **Top edge printer option**

Mechanical /electrical integration possible of approved printer unit for 12-25mm high character printing of top edge strips.



- **Centering conveyor**

Accurately centres pallets and in high speed version in combination with press increases throughput.

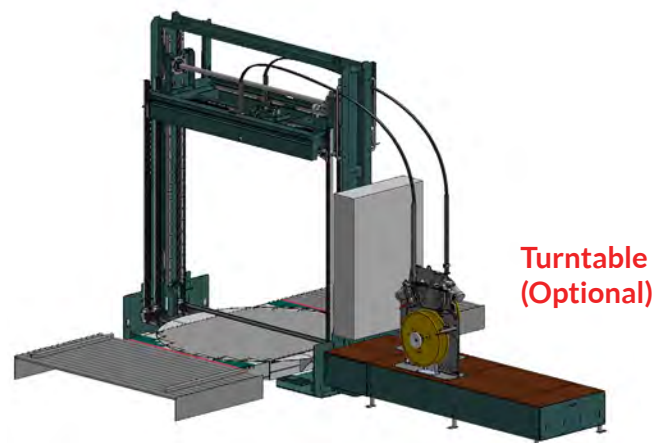
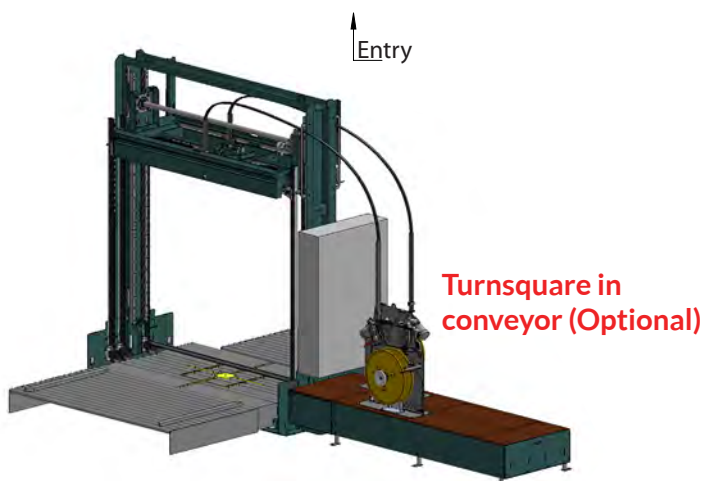
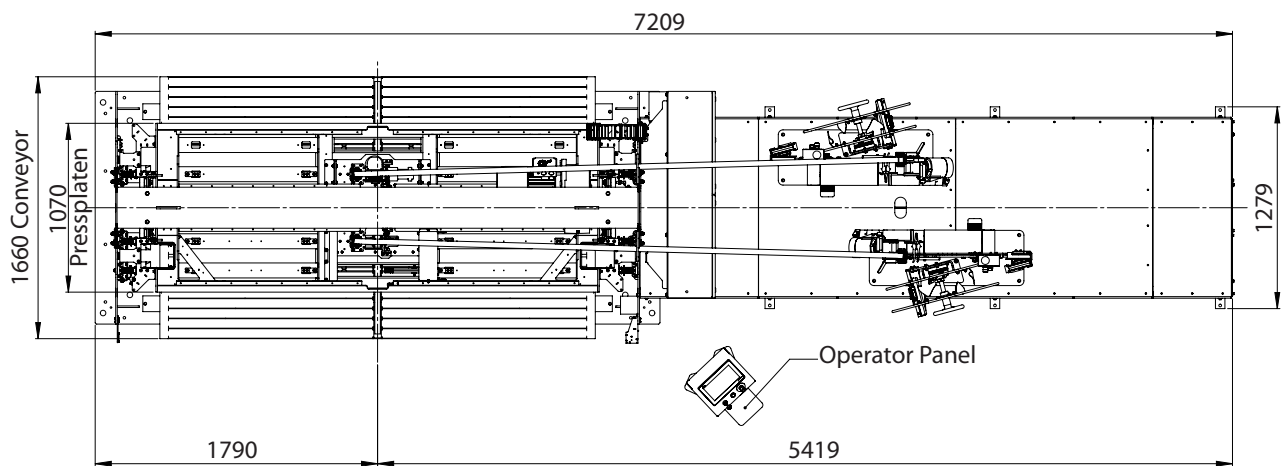
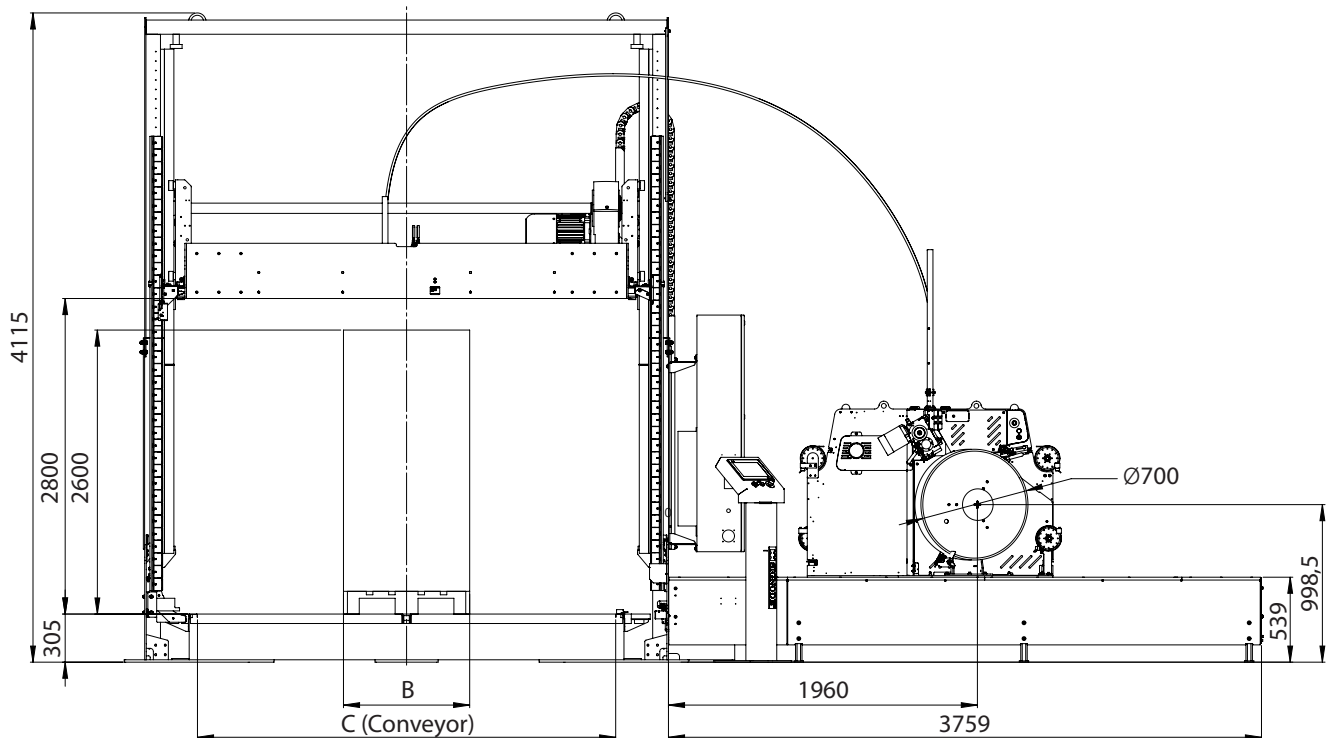


- **SIG-Cure and SIG-KERS**

SIG-Cure an additional autonomous safety device for platen, SIG-Kinetic Energy recovery system reduces overall press power needs significantly for lower carbon footprint.

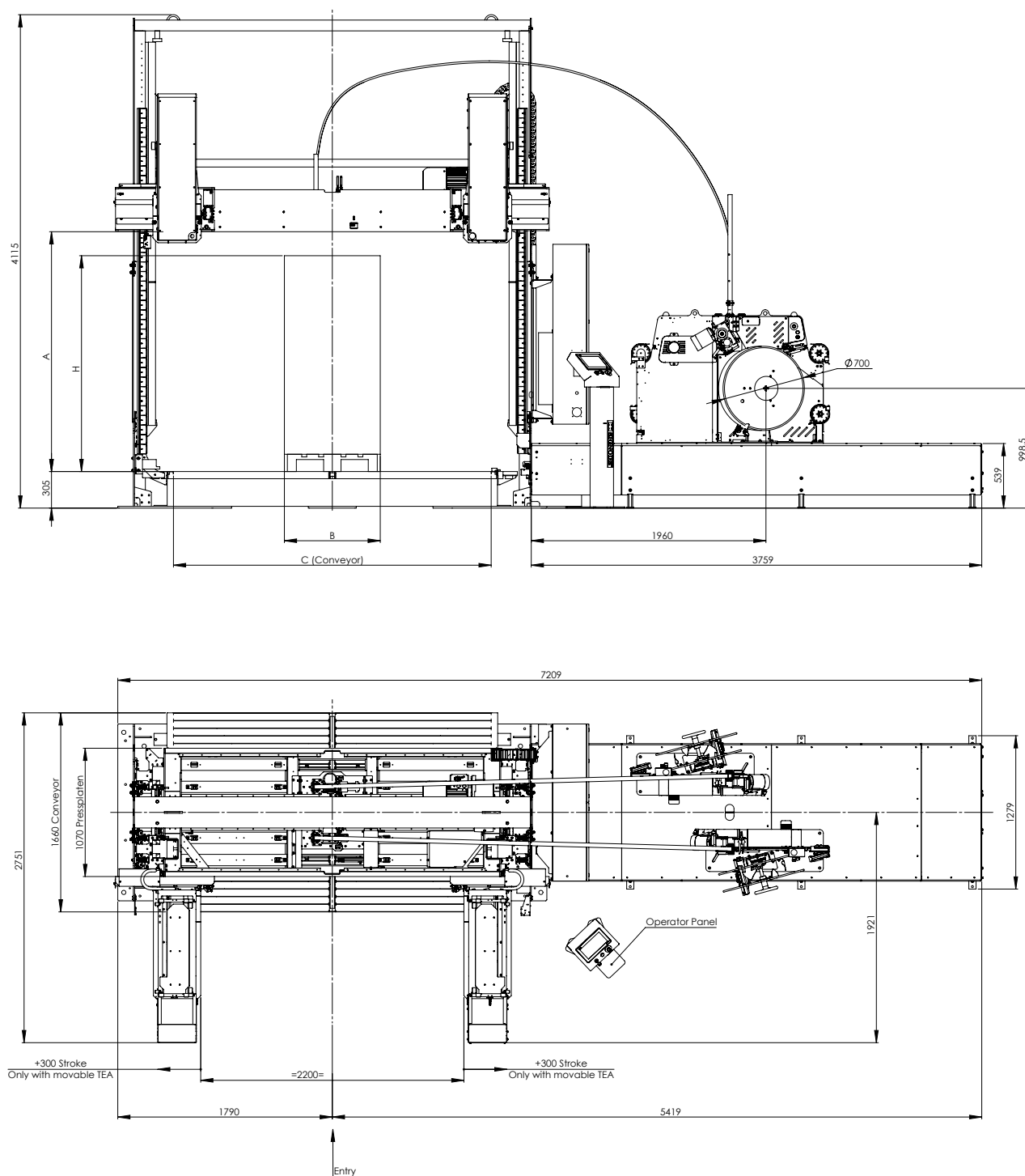
LAYOUT DRAWINGS

GCU 2500 basic machine



LAYOUT DRAWINGS

GCU-NG 2500 with top edge applicator and press conveyor



LAYOUT DRAWINGS

GCU-NG 2500 with top and bottom edge applicators and press conveyor

