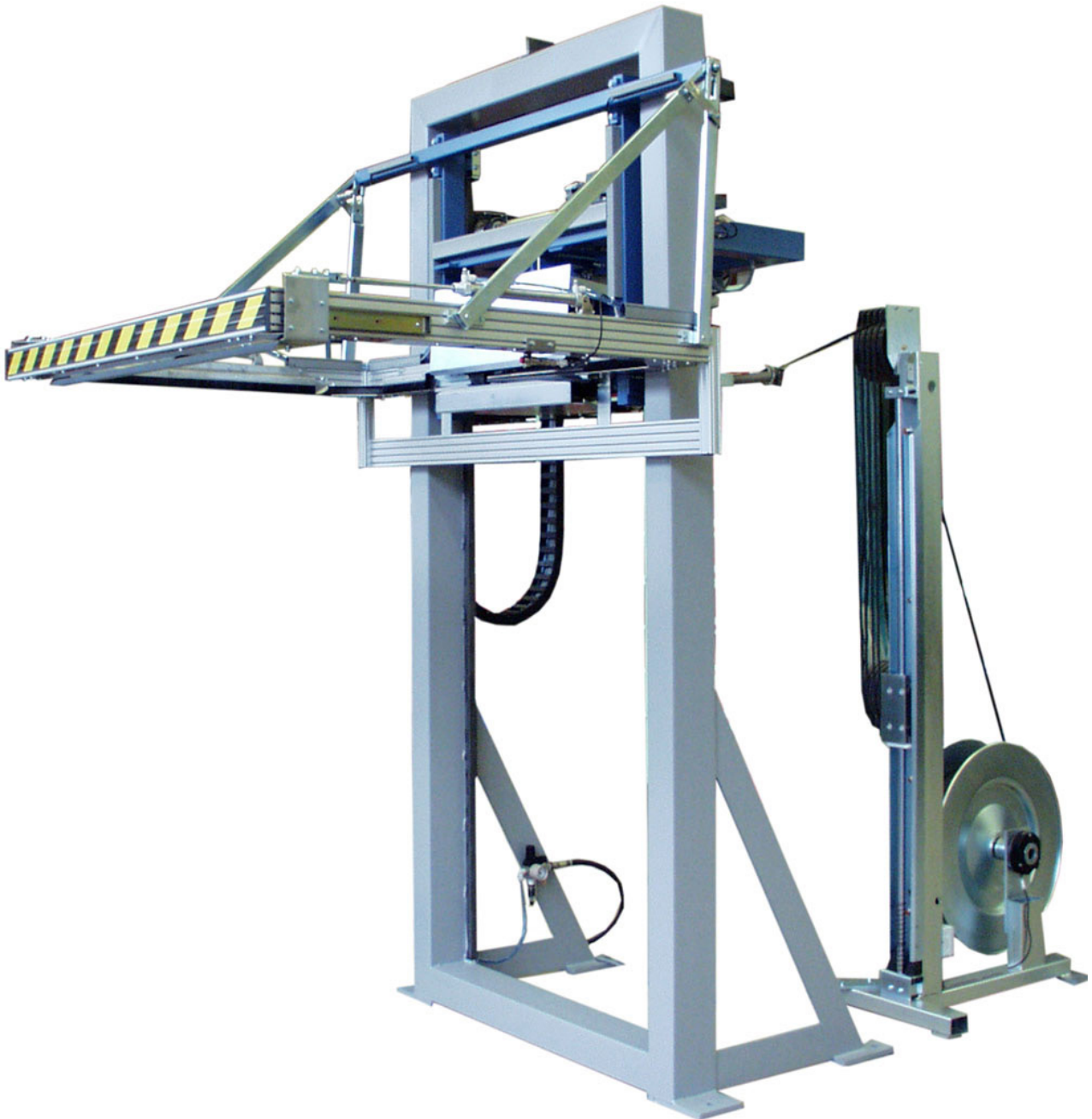


# H40U 3000

## TECHNICAL DATA SHEET

Automatic horizontal strapping machine





**TECHNICAL DATA**

Strapping head	Horizontal mounted H 3000L / H3000 Strap tension equalizer	
Head stroke to package	Max. 500 mm (100 mm / sec)	
Head movement pneumatic	5–6 bar / 16 NI per strapping	
Carriage speed, vertical	Approx. 200 mm/s	
Strap type	Width: 9–13 mm PET	12–16 mm
	Thickness: 0.35–0.60 mm	0.50–0.95 mm
Strap type	Width: 9–13 mm PP	12–16 mm
	Thickness: 0.65–0.80 mm	0.65–0.90 mm
Strap tension	200–1200 N / 200–3000 N fully adjustable	
Sealing method	Friction welded	
Conveyor <sup>1</sup> / conveying height	Min. 160 mm	
Chute dimensions	See table	
Chute type	Closed horizontal chute with flaps	
Strap end	Automatic detection of the end of the strap	
Electrical supply	400 VAC, 50 HZ, 3PE	
Rated power	2-3 kVA	
Throughput	Up to 70 packets/h, 3-fold strapped (at 18 m/min conveying speed). Approx. 9 sec per strap cycle	
Machine weight	Approx. 900 kg	
Min. strapping height	80 mm above the pallet / 250 mm above floor	
Max. strapping height	3175 mm above floor	
	See also page 4	
Strap coil core	Ø 406 mm Width 152 mm	
Control desk	Free standing, 3 m cable length	
Colours	Machine frame: Grey aluminium, RAL 9007 Control console: Light grey, RAL 7035	

The straps used for the respective applications must correspond with the strap specifications recommended by Strapex.  
 \*Performance: Depends on the conveyor frame and package dimensions, conveyor speed, package distances and strap tension.

**STANDARD EQUIPMENT**

- Machine frame in column design
- Carriage as steel design
- Rack drive system
- Strapping head floating, easily replaceable
- Light weight aluminium chute system
- Free standing control desk <sup>2</sup> equipped with components:
  - Main switch / Emergency Stop / Controller System Start
- Control panel Siemens KTP 700-7“
  - All functions can be selected via touch screen
  - Simple and easy to understand menu structure
  - Available in different languages
- PLC Simatic S7-1214C Standard strapping programme Manual / Cycle / Automatic / Free Passthrough
- Teach-In function for 2 programmes and 1–10 strap positions
- Interface, signal exchange via potential free contacts
- The strapping machine can receive the following signals <sup>3</sup>
  - Door safety switch
  - Emergency Stop
  - Start complete cycle
  - Conveyor stopped
  - Package not finished, further strapping will follow
- The strapping machine sends the following signals <sup>3</sup>
  - Conveyor release
  - Emergency Stop
  - Emergency Stop circuit closed
  - Door safety switch closed
  - Strapping finished
  - General fault display
  - Automatic
  - Error message display
- Free-standing multi pulley dispenser
- Automatic strap end detection

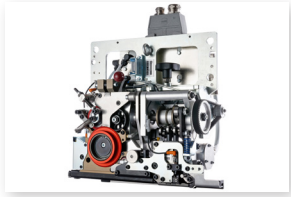
**MACHINE TYPE (STANDARD)**

Package width W [mm] x Package length L [mm]	Height above floor [mm]
800 x 1200	1675
800 x 1200	2175
1000 x 1200	1675
1000 x 1200	2175
1200 x 1000	1675
1200 x 1000	2175
1200 x 1200	1675
1200 x 1200	2175

Other dimensions on request

<sup>1</sup> Conveying equipment is not a component of the H40U 3000 machine  
<sup>2</sup> According to the standard material specification SIGxxx / 2017  
<sup>3</sup> According to the standard interface definition SIGxxx / 2017

**STANDARD STRAPPING HEAD**



- **H 3000 / H 3000 L**
  - Friction welding system
  - Modular design
  - Easily replaceable welding unit
  - Plastic strap PET
    - Width 9–16 mm
    - Thickness 0.35–0.95 mm
  - Plastic strap PP
    - Width 9–16 mm
    - Thickness 0.65–0.90 mm
  - 6.7 mm strap feed take-up speed
  - Process controlled tensioning and sealing

**OPERATION & SAFETY**



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

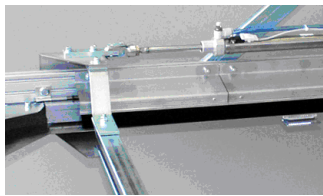
**STANDARD VERSION**



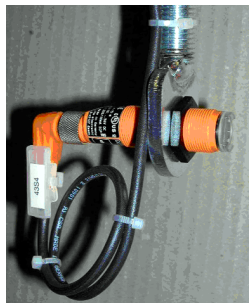
- **Signal lamp, 3-fold**  
Visual information about the different machine states

- **Long service life and low maintenance**  
Premium industrial components, e.g. SEW motors, controlled by frequency inverters for fast operation and exact control

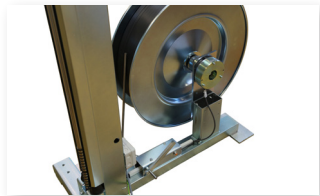
**OPTIONS**



- **Strap centering unit**  
For exact strap positioning



- **Photocell for product top detection for teach in**

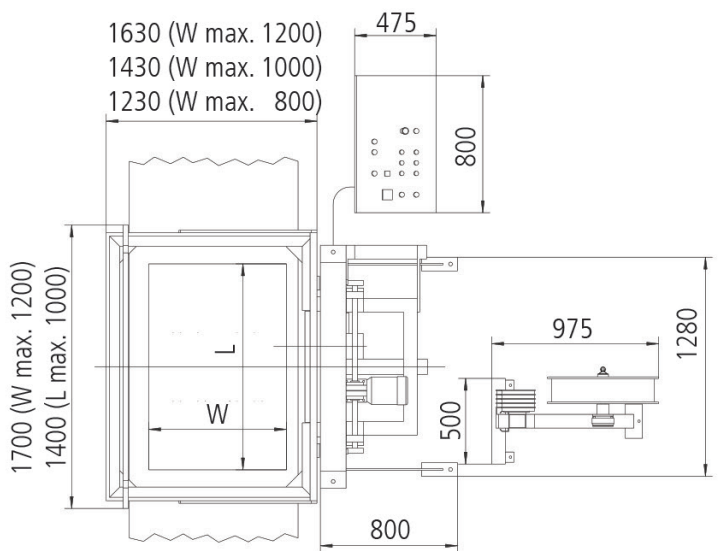
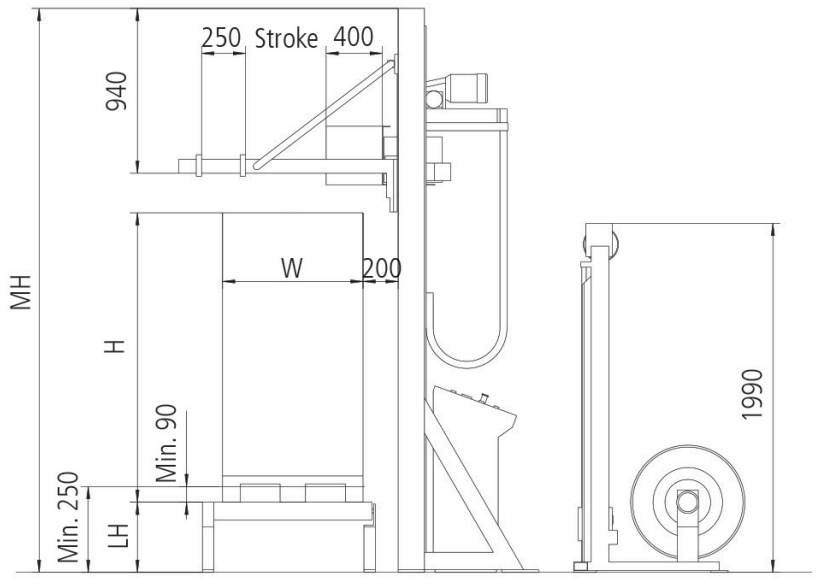


- **Strap end pre-warning**  
A roll change can be prepared in good time to guarantee high machine availability.

- **Upgrade for additional strapping programs and positions**  
Teach-In-system for
  - 25 programs x 1–6 strapping positions
  - 99 programs x 1–20 strapping positions

LAYOUT

H40U 3000



01.2017 Subject to modification