

# Tenso<sup>®</sup>

High Speed Strapper for Specialty  
Folder Gluer Boxes

#60455



**Robust  
Strapping Head**

**Quality  
Components**

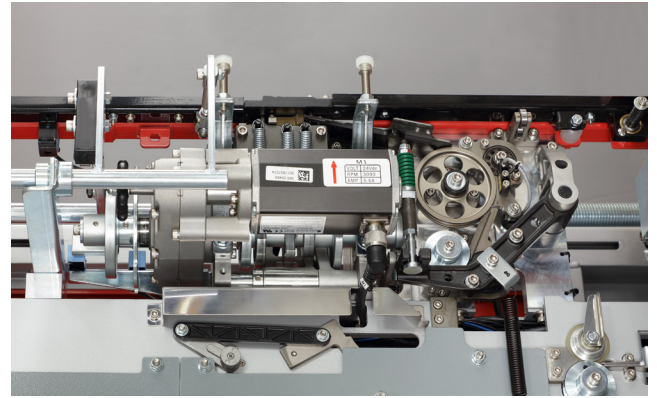
**Ascending Backstop  
with Sensor**

**Easy Access  
Strap Guides**

This high-speed strapper is designed specifically for specialty boxes, such as crash lock boxes, four-corner trays, and various folded box types from shingled-stream folder gluer outputs. We've integrated innovative side-pusher and backstop technologies to ensure that each stack remains perfectly aligned and protected during the strapping process. This machine exemplifies our dedication to efficiency and precision, offering a reliable solution that maintains high speed while safeguarding even the most delicate boxes. With this strapper, we continue to set the standard for quality and performance in the packaging industry.

## Features

- Compact & robust strapping head
- Ascending backstop with sensor
- Easy maintenance
- Siemens PLC & HMI
- Quick and effortless changeover
- Free access to strap guides
- Auto strap ejector
- Strap end ejector
- Sensor-controlled heater
- Adjustable table height (700mm to 1000mm)



**Compact & Robust Strapping Head**

## Options

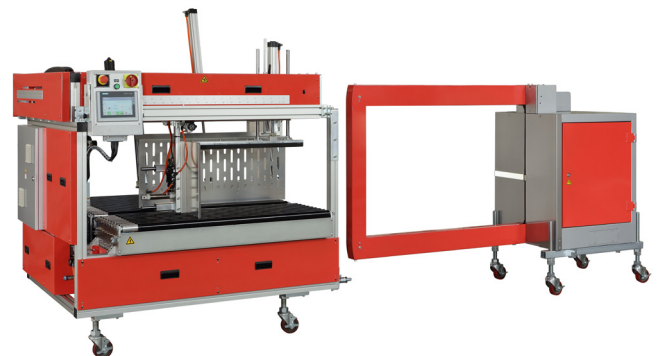
- Light tower with low strap sensor
- Foot pedal switch
- Uplifted support
- Powered top conveyor
- Additional backstop



**Siemens PLC and HMI**



**Additional Backstop**



**Easy Maintenance**

## Specifications

|   | <b>MACHINE OPTION 1</b>   | <b>MACHINE OPTION 2</b>   | <b>MACHINE OPTION 3</b>   |
|---|---|---|---|
| <b>Arch width</b>                         | 1000W   | 1300W   | 1600W   |
| <b>Capacity</b>                           | Single strap: 23 bundle/min<br>Double straps: 12.5 bundle/min                       | Single strap: 22 bundle/min<br>Double straps: 12 bundle/min                         | Single strap: 21 bundle/min<br>Double straps: 11.5 bundle/min                       |
| <b>Bundle Dimension</b>                   | 380L×325W×130H mm   | 380L×325W×130H mm   | 380L×325W×130H mm   |
| <b>Strap Type</b>                         | Polypropylene Strapping   | Polypropylene Strapping   | Polypropylene Strapping   |
| <b>Strap Width</b>                        | 5 mm, 6 mm, 9 mm, or 12 mm  | 5 mm, 6 mm, 9 mm, or 12 mm  | 5 mm, 6 mm, 9 mm, or 12 mm  |
| <b>Strap thickness</b>                    | 0.35 mm - 0.65mm  | 0.35 mm - 0.65mm  | 0.35 mm - 0.65mm  |
| <b>Tension Range</b>                      | 1 - 32 kg (for 5 mm, 6 mm, 9 mm)<br>1 - 55 kg (for 12mm)                            | 1 - 32 kg (for 5 mm, 6 mm, 9 mm)<br>1 - 55 kg (for 12mm)                            | 1 - 32 kg (for 5 mm, 6 mm, 9 mm)<br>1 - 55 kg (for 12mm)                            |
| <b>Dimensions (W) × (D) × (H)</b>         | 2130 x 1600 x 1925-2125 mm  | 2430 x 1600 x 1925-2125 mm  | 2430 x 1600 x 1925-2125 mm  |
| <b>Table Height</b>                       | 700 - 900 mm  | 700 - 900 mm  | 700 - 900 mm  |
| <b>Machine Net Weight</b>                 | 665 kg  | 665 kg  | 805 kg  |
| <b>Maximum Bundle Weight</b>              | 25 kg   | 25 kg   | 25 kg   |
| <b>Minimum Bundle Size</b>                | 130L × 130W × 100H mm (without Press Bar)<br>250L × 130W × 100H mm (with Press Bar) | 130L × 130W × 100H mm (without Press Bar)<br>250L × 130W × 100H mm (with Press Bar) | 130L × 130W × 100H mm (without Press Bar)<br>250L × 130W × 100H mm (with Press Bar) |
| <b>Strap Core Inner Diameter</b>          | 200 mm  | 200 mm  | 200 mm  |
| <b>Power Consumption</b>                  | 1.1 kW  | 1.1 kW  | 1.1 kW  |
| <b>Temperature of working environment</b> | 5 ~ 40℃   | 5 ~ 40℃   | 5 ~ 40℃   |
| <b>Humidity of working environment</b>    | < 50% without condensation  | < 50% without condensation  | < 50% without condensation  |
| <b>Conveyor Speed</b>                     | Conveyor Speed  | Conveyor Speed  | Conveyor Speed  |
| <b>Pneumatics Source</b>                  | 24 ~ 60 M/min   | 24 ~ 60 M/min   | 24 ~ 60 M/min   |
| <b>Air Consumption (cycle)</b>            | 13.5NL/cycle (without 2nd Back-stop)<br>20.6NL/cycle (with 2nd Backstop)            | 13.5NL/cycle (without 2nd Back-stop)<br>20.6NL/cycle (with 2nd Backstop)            | 13.5NL/cycle (without 2nd Back-stop)<br>20.6NL/cycle (with 2nd Backstop)            |
| <b>Air Consumption (minute)</b>           | 10.96 CFM @87PSI  | 10.48 CFM @87PSI  | 10.48 CFM @87PSI  |
| <b>Electrical Requirements</b>            | 220V, 380V, 400V, 415V 50/60Hz<br>3PH   | 220V, 380V, 400V, 415V 50/60Hz<br>3PH   | 220V, 380V, 400V, 415V 50/60Hz<br>3PH   |

