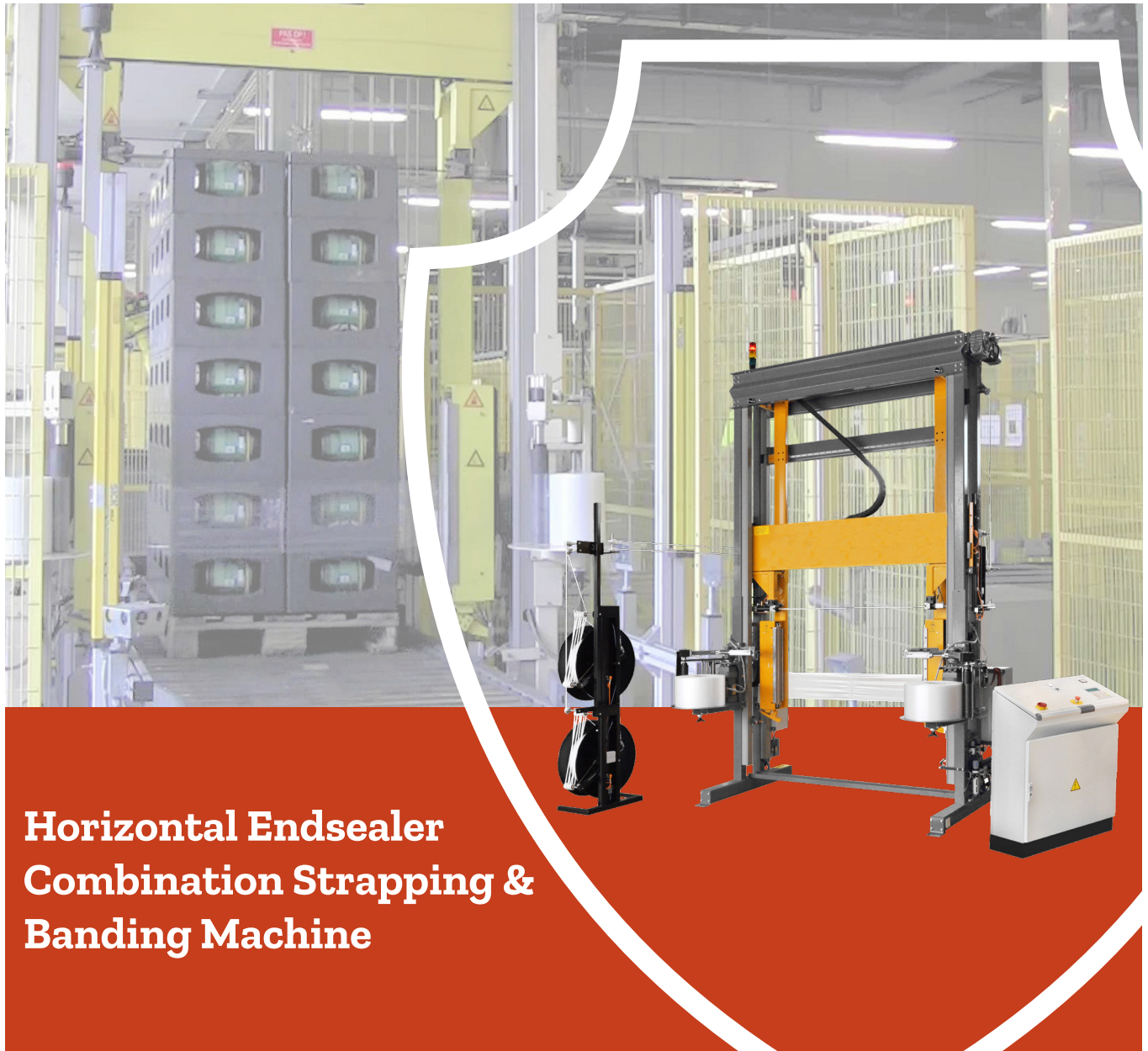


# HC2M Unitizer



## Horizontal Endsealer Combination Strapping & Banding Machine

### Cost Savings

Allows for a variety of strap types to be used for product applications

### Higher Throughput

Strap is applied by the movement of the product with a sealing time of six seconds

### Low Total Cost of Ownership

Simple sealing head with only a few moving parts and low maintenance

### Easy Integration

Having no strap chute, machines can be easily integrated into existing conveyor line

# HC2M Unitizer

## Horizontal Endsealer Combination Strapping and Banding Machine

### Model Information

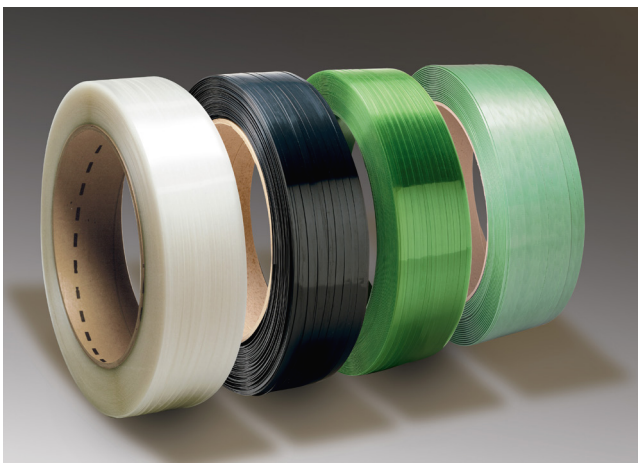
Model	Strap Beams (Dispensers)	Film Band (Dispensers)
HC2M	1 (2)	1 (2)

### Machine Features and Benefits

- **Strap Application**  
Effortlessly enveloping the product with precision, our innovative strap application system ensures high availability, seamless positioning of straps, and exceptional throughput.
- **No Strap Arch**  
Few wearing parts, easily exchangeable. Direct brushless drives for head carriage, and bayonet for less service needs and longer operating life.
- **Simple Design**  
Designed for efficiency and durability, the sealing head has a simplistic design with minimal moving parts reducing servicing and maintenance requirements. By prioritizing simplicity, operational costs decrease while maintaining performance, seamless functionality and long-term reliability.
- **Increased Uptime**  
Equipped with dual strap coils per strapping line, the system extends operational efficiency with double the run length between coil changes. This innovative design increases productivity by minimizing downtime, providing uninterrupted performance for your packaging needs.



### Cost Savings



A variety of strap sizes can be used and selected for the product application, with cost savings on consumable materials.

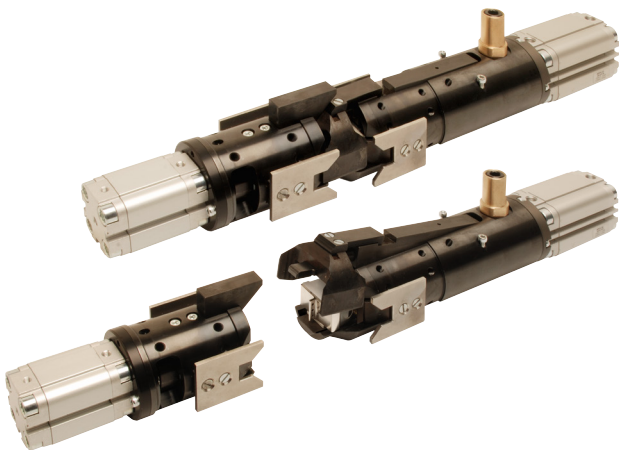
### High Throughput



Strap and Film Band is applied by the movement of the product passing through the machine. Cycle time is six seconds.

## Sealer Head / Features and Benefits

- High Performance**  
 Having few moving parts allows the head to perform a fast 6 second cycle time.
- Modular Design**  
 The sealer head consists of two major assemblies. The welding unit and the pressing unit
- Low Maintenance**  
 The sealer head required no lubrication. All bearing are sealed design. occasional cleaning is all that is needed.



## Machine Options

- Double-Head Execution**  
 Seals two straps simultaneously (with fixed strap distance)
- Beam protection**  
 Photo-electric cell on the package entry side ensures that no packages come into contact with the beam.
- PET Strapping Kit**  
 Air stream through sealing head to keep smoke and dust out of head when using PET strap. Double strap clamp for higher tension.
- Manual movement of machine**  
 For fixed conveyor stop position and change of product or layer dimensions (such as paving stones)
- Label Applicator System**  
 Labels are printed and applied during strapping process to increase capacity and to avoid damages on the products.

## Low Maintenance Cost



Simple sealing mechanisms with few moving parts and low maintenance operation.

## Inline Strapping Integration

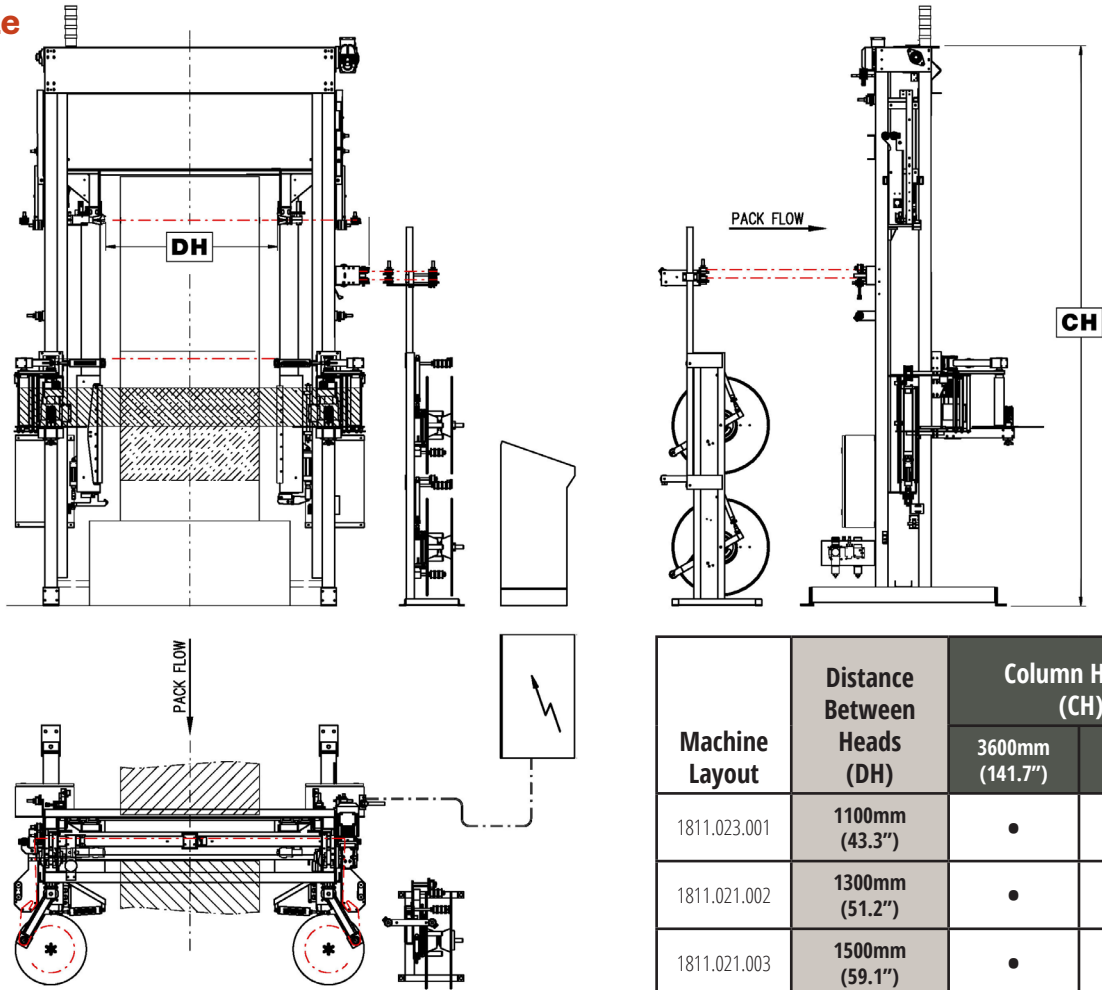


Endsealers can be easily integrated into existing conveyor lines. Machines use very little floorspace to operate.

# HC2M Unitizer Horizontal Endsealer



## Machine Layout



Machine Layout	Distance Between Heads (DH)	Column Height (CH)	
		3600mm (141.7")	4000mm (157.5")
1811.023.001	1100mm (43.3")	•	•
1811.021.002	1300mm (51.2")	•	•
1811.021.003	1500mm (59.1")	•	•

## Technical Specifications

<b>Strapping</b>	5 -16mm Polypropylene (PP) 5 -13mm Polyester (PET)
<b>Strap Tension</b>	0-400 N (retained tension on product)
<b>Strap Cycle Time</b>	6 sec. (PP strap), 7 sec. (PET strap)
<b>Tension Stroke</b>	Flexible, adapted to product
<b>Band Tension</b>	0-100 N
<b>Vertical Speed</b>	100 mm (3.9") per second Optional 300 mm (11.8") per second
<b>Sealing Method</b>	Heat seal for PP strap (PET optional)
<b>Min Strapping Height</b>	1700 mm (67") above floor
<b>Max Strapping Height</b>	Up to 2600 mm (104")
<b>Strap End</b>	Automatic end detection

<b>Strap Dispenser(s)</b>	2 per strap, flexible location
<b>Min Band Height</b>	911 mm (35.9") lower edge to floor
<b>Band Area - Fixed</b>	911 - 1511 mm (35.9" to 59.5")
<b>Band Dispensers</b>	Fixed to frame, one coil per side
<b>PLC Control</b>	Simatic S7-1212C
<b>Electrical Supply</b>	400VAC, 3Ph, 50Hz 460VAC, 3Ph, 60Hz
<b>Control Voltage</b>	24 VDC
<b>Pneumatic Supply</b>	6 bar, 75 lpm (95 psi, 2.65 cfm)
<b>Machine Weight</b>	900 - 1100 kg (1985 to 2425 lbs)