

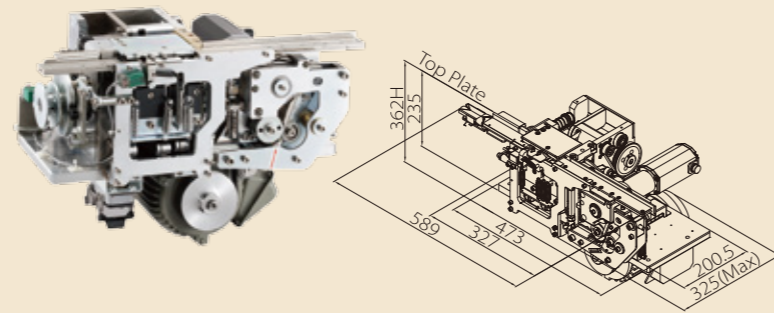
# Strapping Head

Robust & Reliable

## TP-703-SH TP-601D-SH

TP-703-SH and TP-601D-SH are the strapping heads to fulfill different requirements for tension, strap types, strap widths, etc. Both TP-703-SH and TP-601D-SH are ideal for pallet strapping machines.

## TP-703-SH Medium-Duty Strapping Head



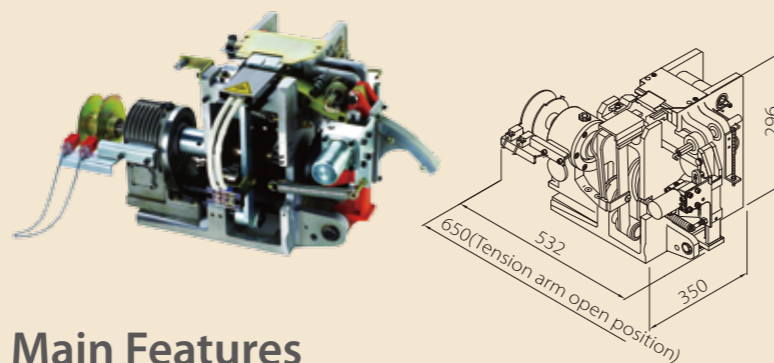
### Main Features

- Extremely reliable robust mechanism design and high engineering standard
- Friction-weld seal, no fumes and odours
- Tension force up to **300 kg** (medium-duty)
- Suitable for PP or PET straps, width from 9 mm to 15.5 mm
- Strap dispenser is on request

### Applications

- Automatic pallet strapping machine for horizontal strapping applications (TP-713H)
- Automatic pallet strapping machine for vertical strapping applications (TP-703VLM series)

## TP-601D-SH Light-Duty Strapping Head



### Main Features

- Reliable mechanism design and high engineering standard
- Heat seal
- Tension force up to **70 kg** (low tension)
- Suitable for PP straps, width 9 mm or 12 mm



15F-1, NO. 17, SEC. 1, CHENGDE ROAD,  
TAIPEI 103, TAIWAN  
TEL: 886 2 2555 2515  
FAX: 886 2 2555 2516  
WEB: www.transpakcorp.com  
E-mail: transpak@transpak.com.tw

Made in Taiwan

05.2017x2000



All specifications are subject to change without notice.

## POLLUX TP-703VLM



Transpak pallet strapping machines secure pallet loads with plastic strapping. With the user friendly and state-of-the-art design, these machines provide excellent performance, easy operation, and low maintenance.

In this category, we have four models as follows:

- Fully-auto pallet strapping machine for vertical applications Pollux TP-703VLM
- Fully-auto pallet strapping machine for horizontal applications Castor II TP-713H
- Semi-auto pallet strapping machine for vertical applications Genesis Verti TP-502MV
- Semi-auto pallet strapping machine for horizontal applications Genesis Hori TP-502MH

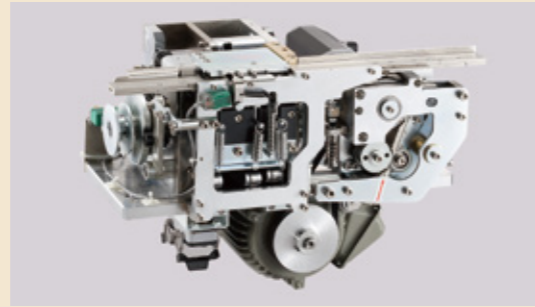
# PALLET STRAPPING MACHINE

Fully-Auto Pallet Strapping Machine for Vertical Strapping Applications

## TP-703VLM

Pollux TP-703VLM is a fully automatic pallet strapping machine for vertical strapping. It secures palletized packages with PP or PET straps. The TP-703VLM can accommodate a wide variety of products and be easily integrated into new or existing production lines. With the user friendly and state-of-the-art design, Pollux TP-703VLM provides excellent packaging performance, greater production efficiency and lower packaging cost.

### Main Features



#### TP-703-SH Strapping Head

The TP-703-SH is a high engineering standard strapping head. It has extremely reliable robust mechanism design and comes with a variety of features that makes it simple to operate and easy to maintain.



#### Siemens PLC Control and HMI

The Siemens PLC control and HMI (touch panel) provide easy adjustments, operating instructions, and troubleshooting guides. Easy TEACH-IN programming. User friendly.



#### Index Strapping Head

During the strapping cycle, the strapping head moves automatically towards the package with stroke up to 500 mm. Thus strap can be highly tensioned.



#### Modular Arch

Modular arch design for easy arch size change.



#### Movable Strap Lance

Feed the strap between the pallet void to strap palletized goods.

### Options

#### ● Floating Head

Equalize strap tension force around the package to increase the holding force.



#### ● Top Press

Offer adjustable compression pressure onto the pallet to compress the product and secure the stability of the pallet load.



- Failure indicator
- Free standing operation desk
- Control panel on the opposite side
- Strap dispenser in transport direction
- Lower tension 200 – 1200 N (20 – 120 kg)
- Index head stroke up to 700 mm
- Light tree alarm with low strap sensor (triple lamp)
- Control panel with switches instead of HMI

### More Features

#### Friction Weld Sealing Technology

Guarantee reliable joint and high sealing efficiency, tension up to 3000 N (300 kg). No fumes and odours.

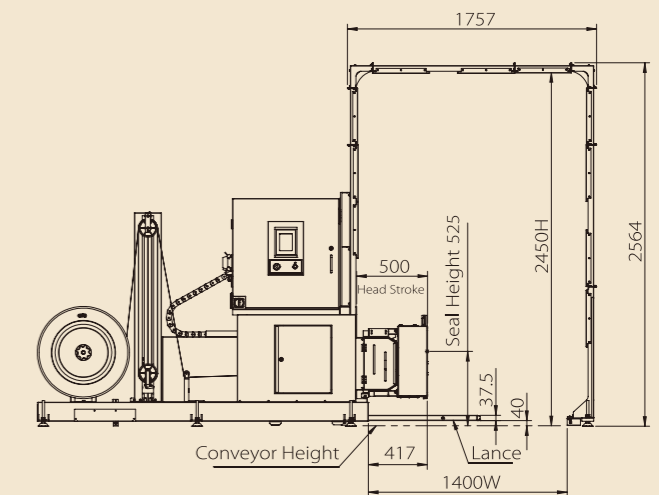
#### Adjustable Sealing and Cooling Time

The sealing time and cooling time are adjustable. Guarantee high sealing efficiency.

### Arch Sizes

H \ W	1000	1400	1600	2000
1650				
2050				
2450		Ⓢ		
2850				

Ⓢ Standard size: 1400 mm (W) x 2450 mm (H)



### Different Models Available

- TP-703V closed strap track, fixed strapping head
- TP-703VM closed strap track, index strapping head
- TP-703VLM with movable lance, index strapping head

### Technical Data

<b>Strap Type</b>	PP or PET straps
<b>Strap Width</b>	9 mm, 12 mm, or 15.5 mm
<b>Capacity</b>	Up to 70 pallets/hour (vertically double-strapped) (depends on package dimensions and arch size)
<b>Tension Range</b>	1100-3000 N (standard) 200-1200 N (optional)
<b>Strap Core Size</b>	406 mm
<b>Electrical Requirement</b>	220V, 380V, 400V, 415V 50/60Hz 3PH

# Castor II

Fully-Auto Pallet Strapping Machine for Horizontal Strapping Applications

## TP-713H

Castor II TP-713H is a fully automatic pallet strapping machine designed for horizontal strapping. It secures pallet loads and stacked boxes with PP or PET straps. The TP-713H can accommodate a wide variety of products like bricks, fruits, cans, bottles, beverage, and all kinds of palletized goods. It is easy to integrate TP-713H into the new or existing production lines. With the user friendly and state-of-the-art design, Castor II TP-713H helps maximize uptime for greater production efficiency and lower packaging cost.

### Main Features



#### TP-703-SH Strapping Head

The TP-703-SH is a high engineering standard strapping head. It has extremely reliable robust mechanism design and comes with a variety of features that makes it simple to operate and easy to maintain.



#### PLC Control and HMI

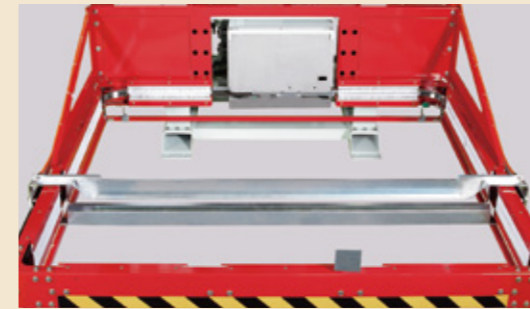
The PLC control and HMI (touch panel) provide easy adjustments, operating instructions, and troubleshooting guides. Easy TEACH-IN programming. User friendly.

It can store 10 strapping patterns and each pattern is with up to 10 different strapping positions. There is no need to adjust the setting when changing to different package sizes. Reduce downtime and save cost.



#### Index Strapping Head

During the strapping cycle, the strapping head moves automatically towards the package with stroke up to 300 mm. Thus strap can be highly tensioned.



#### Strap Guide Arm

To ensure precise strap position to the load.



#### Safety Rack

Underneath the arch to ensure the highest safety.

### Options

- **Floating Head**  
Equalize strap tension force around the package to increase the holding force.
- Free standing operation desk
- Siemens PLC & HMI
- Failure indicator
- HMI on the opposite side
- Lower tension 200 - 1200 N (20 - 120 kg)
- Light tree alarm with low strap sensor (triple lamp)
- Strap dispenser 90-degree turn



### More Features

**Friction Weld Sealing Technology**  
Guarantee reliable joint and high sealing efficiency, tension up to 3000 N (300 kg). No fumes and odours.

**Adjustable Sealing and Cooling Time**  
The sealing time and cooling time are adjustable. Guarantee high sealing efficiency.

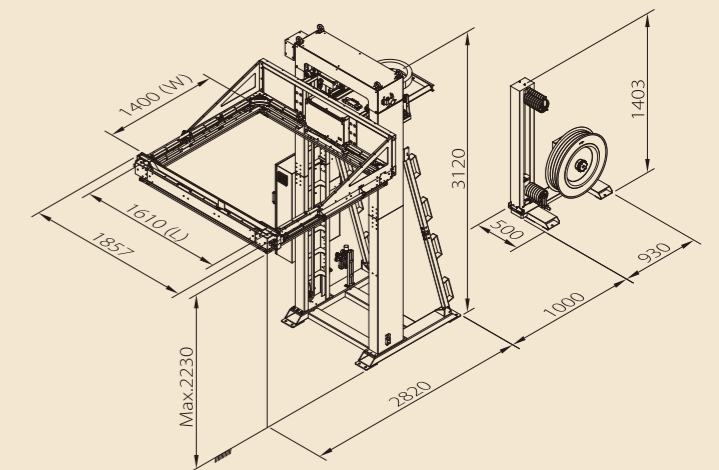
**Stable Arch Movement**  
Vertical arch movement with inverter to avoid vibrations.

**Reinforced Dual-Track-Pillar System**  
Robust construction provides the highest reliability and ensures the highest safety to the frequently moved strapping head.

### Arch Sizes

L \ W	1400	1600
1450	Ⓢ	
1650		

Ⓢ Standard size: 1450 mm (L) x 1400 mm (W)



### Technical Data

<b>Strap Type</b>	PP or PET straps
<b>Strap Width</b>	9 mm, 12 mm, or 15.5 mm
<b>Capacity</b>	Up to 60 pallets/hour (3 straps/pallet) (depends on package dimensions)
<b>Tension Range</b>	1100-3000 N (standard) 200-1200 N (optional)
<b>Strap Core Size</b>	406 mm
<b>Minimum strapping height</b>	(a) With conveyor: 160 mm above conveyor surface (b) Without conveyor: 240 mm above floor
<b>Net Weight</b>	875 kg
<b>Electrical Requirement</b>	220V, 380V, 400V, 415V 50/60Hz 3PH



# Genesis Hori

Semi-Auto Pallet Strapping Machine for Horizontal Strapping Applications

## TP-502MH

Genesis Hori TP-502MH inherits all of the advantages from Genesis TP-502, such as compact strapping head, direct drive technology with German-made DC motors, and electronic tension control. It can be moved easily beside the load you want to strap, no need to move the pallet. The TP-502MH is quick, ergonomic, and economical solution for low volume horizontal pallet strapping applications.

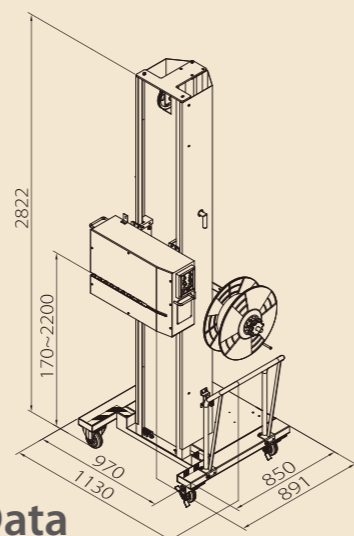


### Main Features

- **Compact Mechanical Strapping Head**  
With 30% less moving parts than conventional machines substantially reduces maintenance issues. There are no belts, chains, or pulleys. Extremely low noise sealing head.
- **Adjustable Strapping Height**  
The strapping height is quickly and effortlessly adjustable from 175 mm to 2200 mm above the floor.
- **Electronic Tension Control**  
Strap tension can be adjusted accurately by a simple turn of the dial on the control panel. Tension force up to 700 N (70 kg).
- **Jog Switch**  
Using the "Jog Switch" to adjust the machine to exactly the correct position for maintenance.
- **Adjustable Weld-Cooling Time**  
The weld cooling time can be increased to ensure high joint efficiency under high tension.
- **Two Moving Direction**  
With simple adjustment, the machine can be moved either forward or sideward to approach the pallet.
- **Various Applications**  
Suitable for fruit & vegetable boxes, concrete blocks, and pallet loaded with cardboard boxes containing any type of products.

### Options

- Battery power supply (TP-502MHB)
- Edge protector holder
- Handle on the rear for back/forth movement



### Technical Data

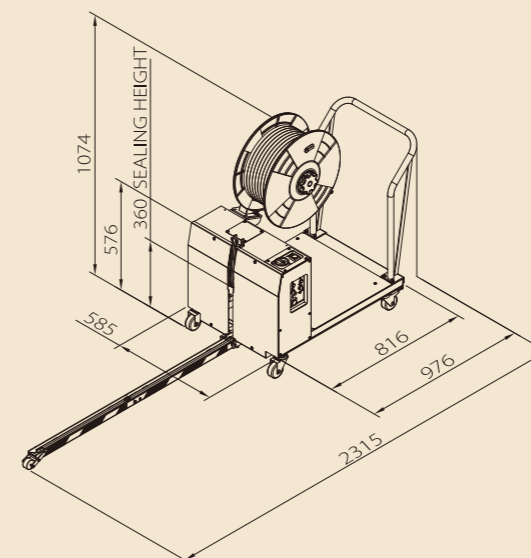
<b>Strap Type</b>	PP strap
<b>Strap Width</b>	9 mm - 15.5 mm
<b>Tension Range</b>	8 kg - 70 kg
<b>Net Weight</b>	292 kg
<b>Electrical Requirement</b>	110V, 220V, 230V, 240V 50/60Hz 1PH

### Main Features

- **Compact Mechanical Strapping Head**  
With 30% less moving parts than conventional machines substantially reduces maintenance issues. There are no belts, chains, or pulleys. Extremely low noise sealing head.
- **Electronic Tension Control**  
Strap tension can be adjusted accurately by a simple turn of the dial on the control panel. Tension force up to 700 N (70 kg).
- **Jog Switch**  
Using the "Jog Switch" to adjust the machine to exactly the correct position for maintenance.
- **Mobility**  
With light weight and compact size, it is easy to move the machine beside the pallet you want to strap.
- **Good for Lower Height Pallet**  
Enable to strap pallet with height as low as 380 mm.
- **Adjustable Weld-Cooling Time**  
The weld cooling time can be increased to ensure high joint efficiency under high tension.
- **Various Applications**  
Suitable for corrugated cardboards, concrete blocks, and pallet loaded with cardboard boxes containing any type of products.

### Option

- Battery power supply (TP-502MVB)



### Technical Data

<b>Strap Type</b>	PP strap
<b>Strap Width</b>	9 mm - 15.5 mm
<b>Tension Range</b>	8 kg - 70 kg
<b>Net Weight</b>	93 kg
<b>Electrical Requirement</b>	110V, 220V, 230V, 240V 50/60Hz 1PH

# Genesis Verti

Semi-Auto Pallet Strapping Machine for Vertical Strapping Applications

## TP-502MV

Genesis Verti TP-502MV inherits all of the advantages from Genesis TP-502, such as compact strapping head, direct drive technology with German-made DC motors, and electronic tension control. It eliminates the use of manual tools and dispensers, and can be moved easily beside the load you want to strap, no need to move the pallet. The TP-502MV provides ergonomic and cost-effective solution for low volume vertical pallet strapping applications.

