

PALLET STRAPPING MACHINES



* The conveyor is not part of TP-733VTS.

Transpak Pallet Strapping Machines



Fully Automatic Machines

Semi-Auto Machines

Strapping Heads



TP-733VTS

- For vertical strapping applications (top-seal)
- ARES TP-733-SH strapping head
- For 9 mm, 12 mm, 15.5 mm, or 19 mm **PP and PET** strapping with tension force up to 3,200 N (320 kg)
- Floating Head optimizes strap holding performance onto package
- **Friction weld sealing technology**
- All electric driven design, no air consumption is required
- Underfeed channel (optional), able to switch between lance and underfeed channel automatically
- Capacity up to 63 pallets per hour (2 parallel straps)



TP-733VLM

- For vertical strapping applications (side-seal)
- ARES TP-733-SH strapping head
- For 9 mm, 12 mm, 15.5 mm, or 19 mm **PP and PET** strapping with tension force up to 3,200 N (320 kg)
- Index strapping head with stroke up to 500 mm
- **Friction weld sealing technology**
- Swivel dispenser set provides more flexibility for plant configuration
- Capacity up to 72 pallets per hour (2 parallel straps)



TP-733H

- For horizontal strapping applications
- ARES TP-733-SH strapping head
- For 12 mm, 15.5 mm, or 19 mm **PP and PET** strapping with tension force up to 3,200 N (320 kg)
- Index strapping head with stroke up to 300 mm
- **Friction weld sealing technology**
- Swivel dispenser set provides more flexibility for plant configuration
- Preprogram setting for multiple strapping patterns
- Capacity up to 60 pallets per hour (3 parallel straps)

TP-502MV

- For vertical strapping applications
- Compact mechanical strapping head
- For 9 mm, 12 mm, or 15.5 mm PP strapping
- Electronic tension control
- Enable to strap pallet with height as low as 380 mm
- Easy to move the light and compact machine beside the pallet



TP-502MH

- For horizontal strapping applications
- Compact mechanical strapping head
- For 9 mm, 12 mm, or 15.5 mm PP strapping
- Electronic tension control
- Adjustable strapping height from 170 mm to 2,200 mm above the floor



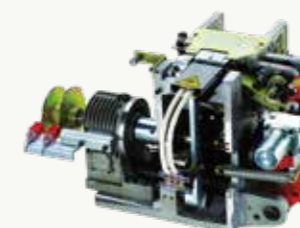
TP-733-SH

- **Friction weld sealing technology**
- For 9 mm, 12 mm, 15.5 mm, or 19 mm PP and PET strapping
- Free access to strap guides
- Tension force up to 3,200 N (320 kg)



TP-601YPT-SH

- **Friction weld sealing technology**
- For 9 mm, 12 mm, or 15.5 mm PP and PET strapping
- Tension force up to 1,500 N (150 kg)



TP-601D-SH

- **Heat sealing**
- For 9 mm or 12 mm PP strapping
- Tension force up to 700 N (70 kg)

ZELOS TP-733VTS

Fully Automatic Vertical Pallet Strapping Machine (top-seal)

TP-733VTS is ideal for general palletized products. It is also suitable for those with low package height. The top sealing design provides the highest strapping efficiency onto the packages. The easy operating SIEMENS touch panel provides simple interface for operator to control and monitor the task. With quick connection to master control system, TP-733VTS can perfectly fit every end-of-line packaging operation.



Main Features



ARES TP-733-SH Strapping Head

Use the latest German-made DC brushless motor technology to provide the highest level of accuracy and reliability. Without belts and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Strap can be fed at any height

The strapping head does not need to go back to home position for strap feeding. It greatly increases the efficiency and reduces preparation time for next strap cycle.



SIEMENS PLC and HMI

The SIEMENS PLC and HMI provide easy adjustments, operation instructions, troubleshooting guides, and real-time sensor status display.



Floating Head

The floating head can equalize the tension force around the package to optimize strap holding performance.

More Features

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high sealing efficiency for both PP and PET strapping. Tension force is up to 3,200 N (320 kg). No fumes and odours. Ready to use once turned on.

Free Access to Strap Guides

Quick access to the strap guides without using any tools. The most maintenance friendly design.

All Electric Driven Design

No air consumption is required. The performance of the machine will not be restricted by the air supply.

Strap End Ejector

Eject end of strap automatically from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

Adjustable Speed for Strapping Head Movement

The ascent and decline speed of strapping head can be adjusted between 70 and 200 mm/sec to prevent damage on packages.

Excellent Package Top Detection

There are sensor and detection plate to make sure the strapping head stop precisely and softly at the time it touches the package.

Dual Channel E-stop

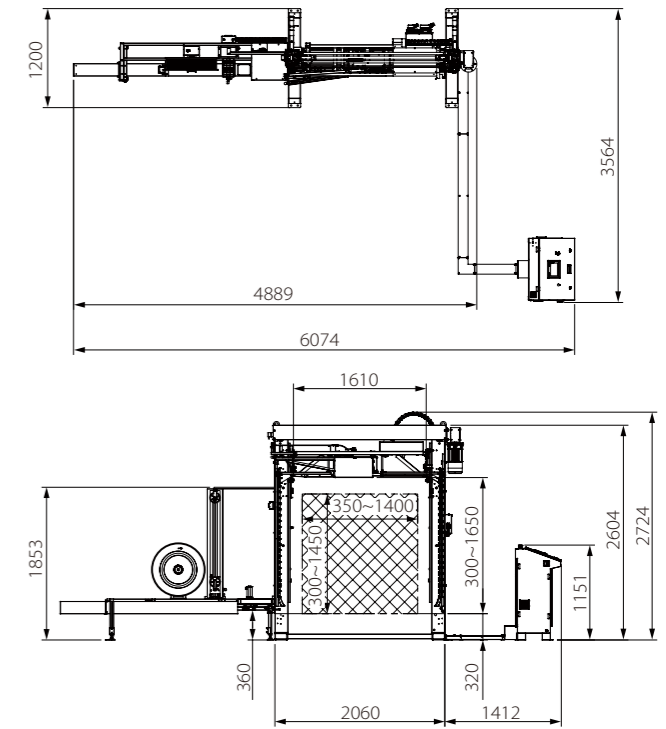
This provides an additional emergency stop circuit loop to ensure the E-stop operation if either loop is invalid, fulfilling a higher-level safety requirement.

Preprogram Setting for Multiple Strapping Tasks

It can store 10 strapping tasks. There is no need to adjust the setting when changing to different strapping task requirements. Reduce downtime and save cost.

Options

- Lower tension range (200-1,200 N)
- Light tower with low strap sensor
- Air conditioner for electric control cabinet
- **Adding underfeed channel**
Suitable for mixed package types and sizes. Be able to switch between lance and underfeed channel automatically. (patent registered)
- Automatic self-adjusting strapping head height for next package
- End of strap signal
- Uplifted support
- Underfeed channel only (remove standard feature "movable lance")



Arch Sizes

H \ W	1600	2000	2400
1650	Ⓢ		
2050			
2450			
2850			

Ⓢ Standard size: 1600 mm (W) x 1650 mm (H)

Technical Data

Capacity	Up to 63 pallets/hour (2 parallel straps)
Strap Type	PP and PET strapping
Strap Width	9 mm, 12 mm, 15.5 mm, or 19 mm
Tension Range	1,100 - 3,200 N (standard) 200 - 1,200 N (option)
Minimum Package Size	350 mm (W) x 300 mm (H)
Strap Core Size	406 mm
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

Pollux III TP-733VLM

Fully Automatic Vertical Pallet Strapping Machine (side-seal)

TP-733VLM is your best choice for fully automatic operation in various pallet strapping applications. The enhanced TP-733VLM maximizes the productivity by applying straps consistently and accurately on the pallet load, and minimizes the production cost by its high-speed and stable operation. Designed for simple and quick connection to the master control system, TP-733VLM can easily fit in all different end-of-line packaging sectors.



Main Features



ARES TP-733-SH Strapping Head

Use the latest German-made DC brushless motor technology to provide the highest level of accuracy and reliability. Without belts and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Index Strapping Head

The strapping head moves toward the package with stroke up to 500 mm during the strapping cycle. It provides the maximum strap containment efficiency to secure packages.



Siemens PLC and HMI

The Siemens PLC and HMI provide easy adjustments, operation instructions, troubleshooting guides, and real-time sensor status display.



Movable Strap Lance

Feeding the strap through the pallet void ensures the best strapping quality on palletized goods.

More Features

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high sealing efficiency for both PP and PET strapping. Tension force is up to 3,200 N (320 kg). No fumes and odours. Ready to use once turned on.

Swivel Dispenser Set

The dispenser set can be mounted freely at preferred positions. It provides more flexibility for plant configuration.

Free Access to Strap Guides

Quick access to the strap guides without using any tools. The most maintenance friendly design.

Modular Arch

Modular arch design makes it easy to change the arch size.

Adjustable Sealing and Cooling Time

The sealing time and cooling time are adjustable. It guarantees high sealing efficiency.

Strap End Ejector

Eject end of strap automatically from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

Easy to Replace Strapping Head

The compact and advanced design makes it easy to replace strapping head. It can greatly minimize downtime.

Models

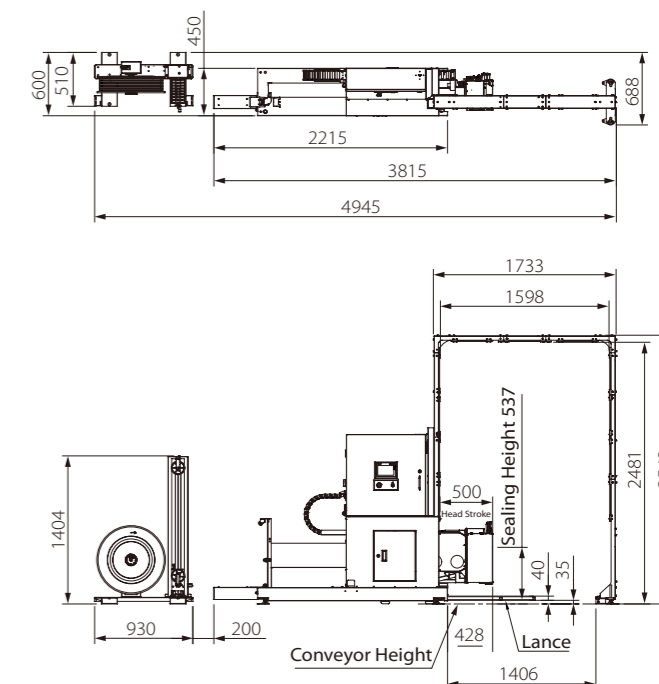
TP-733V fixed head, closed strap track

TP-733VM index head, closed strap track

TP-733VLM index head, movable lance

Options

- Floating head
- Index head stroke up to 700 mm
- Free standing operation desk (3M)
- Light tower with low strap sensor
- Dual channel E-Stop
- Lower tension range (200 - 1,200 N)
- Top press (200 kg or 500 kg)
- HMI mounted on the opposite side
- Uplifted support
- End of strap signal



TP-733VLM

Arch Sizes

H \ W	1000	1400	1600	2000	2400*
1250					
1650					
2050					
2450		Ⓢ			
2850					N/A
3250					N/A

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

* Arch width 2400 mm is only available on TP-733V and TP-733VM

• N/A means not available

Technical Data

Capacity	Up to 72 pallets/hour (2 parallel straps)
Strap Type	PP and PET strapping
Strap Width	9 mm, 12 mm, 15.5 mm, or 19 mm
Tension Range	1,100 - 3,200 N (standard) 200 - 1,200 N (option)
Strap Core Size	406 mm
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

Castor III TP-733H

Fully Automatic Horizontal Pallet Strapping Machine

The enhanced TP-733H provides accurate strapping output on all natural-sized loads with consistent performance. It maximizes the productivity and minimizes the production cost for users. Designed for simple and quick connection to the master control system, TP-733H can easily fit in various end-of-line packaging sectors. It is your best choice for fully automatic operation in various applications, including palletized products, home appliance, bricks & blocks, etc.



Main Features



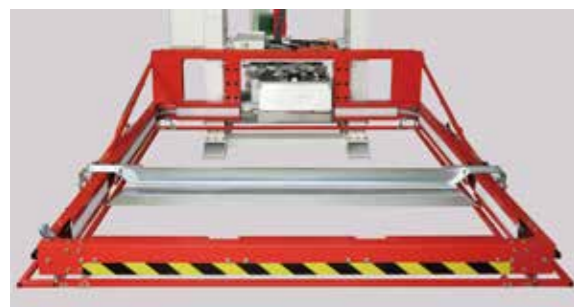
ARES TP-733-SH Strapping Head

Use the latest German-made DC brushless motor technology to provide the highest level of accuracy and reliability. Without belts and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



Index Strapping Head

The strapping head moves toward the package with stroke up to 300 mm during the strapping cycle. It provides the maximum strap containment efficiency to secure packages.



Strap Guide Arm

The guide arm ensures precise strap position on the load.



Safety Rack

Underneath the arch to ensure the highest safety.

More Features

Friction Weld Sealing Technology

The advanced friction weld sealing technology guarantees reliable joint and high sealing efficiency for both PP and PET strapping. Tension force is up to 3,200 N (320 kg). No fumes and odours. Ready to use once turned on.

Siemens PLC and HMI

The Siemens PLC and HMI provide easy adjustments, operation instructions, troubleshooting guides, and real-time sensor status display.

Free Access to Strap Guides

Quick access to the strap guides without using any tools. The most maintenance friendly design.

Swivel Dispenser Set

The dispenser set can be mounted freely at preferred positions. It provides more flexibility for plant configuration.

Adjustable Sealing and Cooling Time

The sealing time and cooling time are adjustable. It guarantees high sealing efficiency.

Strap End Ejector

Eject end of strap automatically from the inlet of strap feeding. Easy to clean the end of strap and get the machine ready for next coil of strap.

Preprogram setting

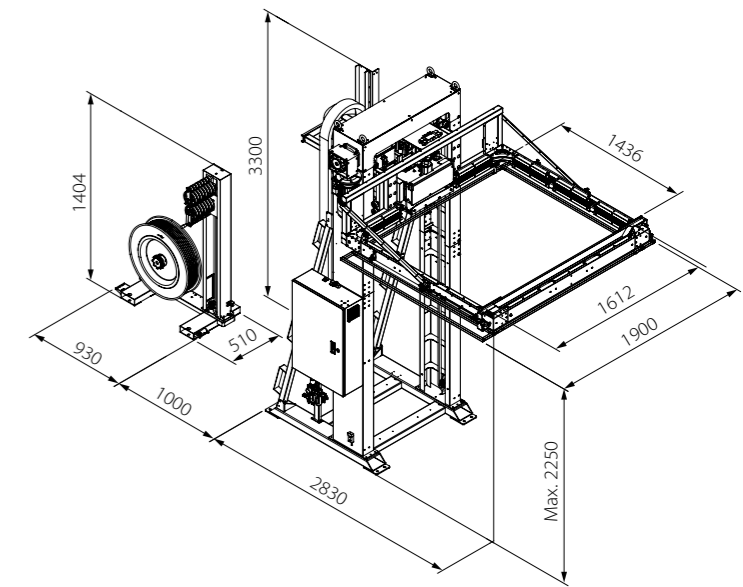
It can store 15 strapping patterns and each pattern is with up to 10 different strapping positions. There is no need to adjust the setting when changing to different package sizes. Reduce downtime and save cost.

Easy to Replace Strapping Head

The compact and advanced design makes it easy to replace strapping head. It can greatly minimize downtime.

Options

- Floating head
- Free standing operation desk (3M)
- Light tower with low strap sensor
- Dual channel E-Stop
- Lower tension range (200 - 1,200 N)
- HMI and PLC mounted on the opposite side
- Strap program selecting by remote control (4-bit binary input)
- No safety rack
- Uplifted support
- Maximum package height up to 2,700 mm



Arch Sizes

L \ W	1400	1600
1450	Ⓢ	
1650		

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

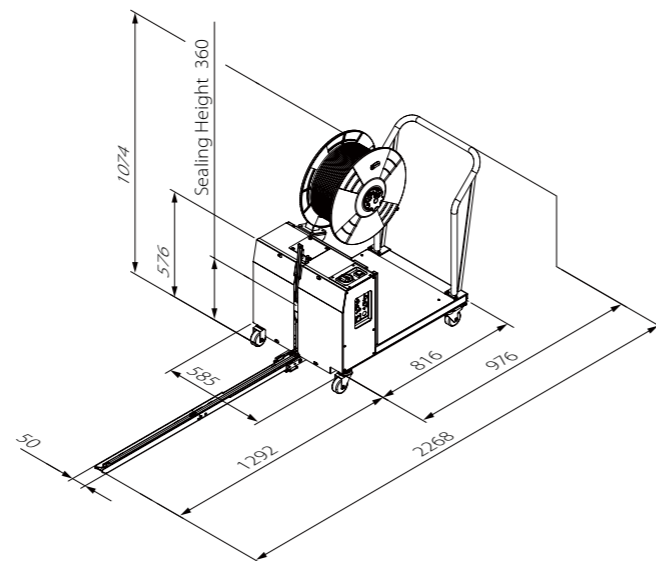
Technical Data

Capacity	Up to 60 pallets/hour (3 parallel straps)
Strap Type	PP and PET strapping
Strap Width	12 mm, 15.5 mm, or 19 mm
Tension Range	1,100 - 3,200 N (standard) 200 - 1,200 N (option)
Minimum Strapping Height	(a) With conveyor: 160 mm above conveyor surface (b) Without conveyor: 240 mm above floor
Maximum Package Height	Standard: 2,200 mm Option: 2,700 mm
Strap Core Size	406 mm/200mm/230mm/280mm
Pneumatic Source & Air Consumption	6 bar 7.1 liter/cycle
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

Genesis Verti TP-502MV

Semi-Automatic Vertical Pallet Strapping Machine

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 without moving the pallet. TP-502MV provides an ergonomic and cost-effective solution for low volume vertical 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.

Electronic Tension Control

Strap tension can be adjusted accurately by a simple turn of the dial on the control panel. Tension force is 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.

Mobility

With light weight and compact size, it is easy to move the machine beside the pallet you want to strap.

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)

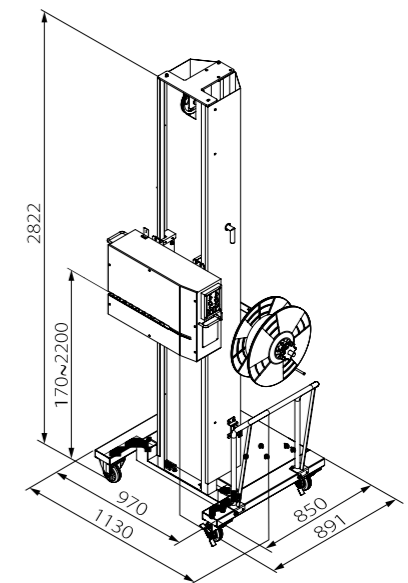
Technical Data

Strap Type	PP strapping
Strap Width	9 mm, 12 mm, or 15.5 mm
Tension Range	8 kg - 70 kg
Minimum Package Height	380 mm (Incl. pallet)
Length of the Sword	1,250 mm
Weight	93 kg
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH

Genesis Hori TP-502MH

Semi-Automatic Horizontal Pallet Strapping Machine

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 positioned easily beside the load you want to strap without moving the pallet. TP-502MH provides a 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.

Electronic Tension Control

Strap tension can be adjusted accurately by a simple turn of the dial on the control panel. Tension force is 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

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

Technical Data

Strap Type	PP strapping
Strap Width	9 mm, 12 mm, or 15.5 mm
Tension Range	8 kg - 70 kg
Strapping Height	min 170 mm max 2,200 mm
Minimum Package Height	200 mm (Incl. pallet)
Weight	292 kg
Electrical Requirements	110V, 220V, 230V, 240V 50/60Hz 1PH

Strapping Heads

Ares TP-733-SH

Enhanced Medium-Duty Strapping Head

TP-733-SH blends the latest DC brushless motor technology with human-centered design. All the transmission is driven directly by motors or through gears. The robust and compact design with advanced production process, fulfilling the need in a higher standard while keeping consistent Transpak quality. It offers the maximum value but costs the least.

- Reliable robust mechanism design and high engineering standard
- Friction weld sealing technology, no fumes and odours
- Tension force up to **3,200 N (320 kg)**
- Suitable for **PP and PET** strapping, width 9 mm, 12 mm, 15.5 mm, or 19 mm
- Easy to change to different strap width
- Free access to strap guides
- Ideal for retrofit on the new or existing pallet strapping machine



TP-601YPT-SH

Medium-Duty Strapping Head

TP-601YPT-SH is the strapping head designed for both PP and PET strapping. It is ideal for medium duty pallet strapping machines.

- Reliable robust mechanism design and high engineering standard
- Friction weld sealing technology, no fumes and odours
- Tension force up to **1,500 N (150 kg)**
- Suitable for **PP and PET** strapping, width 9 mm, 12 mm, or 15.5 mm



TP-601D-SH

Light-Duty Strapping Head

TP-601D-SH is the strapping head designed for PP strapping. It is ideal for light duty pallet strapping machines.

- Reliable mechanism design and high engineering standard
- Heat sealing
- Tension force up to **700 N (70 kg)**
- Suitable for **PP** strapping, width 9 mm or 12 mm

