

# MERCURY TP-702YA

always  
exceeds  
your  
expectations



With strapping head mounted on the side of machine frame, side-seal strapping machine can protect itself from dust and water. They are applicable in most of the harsh working environment, including marine food, meat, poultry processing, sawmill, brick plants, and household appliances. Transpak has the most comprehensive range of strapping machine with side-seal design, including:

High speed auto and fully-auto side-seal machine for P.P. straps TP-702Y, TP-702YA, TP-702YM, TP-702YAM

Enhanced auto and fully-auto side-seal machine for P.P. straps TP-601Y, TP-601YA, TP-601YM, TP-601YAM

Automatic side-seal machine for PET and P.P. straps TP-601YPT

Semi-auto side-seal machine for P.P. straps TP-201Y, TP-201YS

# SIDE-SEAL STRAPPING MACHINE

# Mercury

Innovative World-class Model

## TP-702Y TP-702YA TP-702YM TP-702YAM

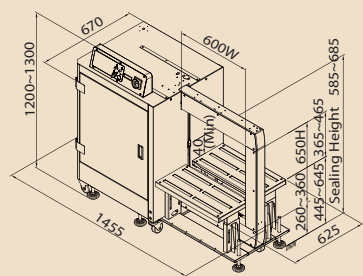
The Mercury side-seal models are high speed strapping machines, especially suitable for application that require high production efficiency. With all the standard features Mercury processes, these machines offer the most optimal performance, highest speed, and easiest maintenance in its class. They can be integrated into most production lines and utilized with various applications.



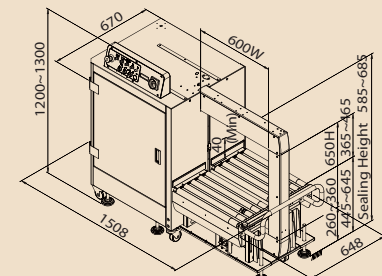
## Painted steel frame machines

TP-702Y and TP-702YA can accommodate a wide variety of products. They are ideal for strapping large or heavy products and household appliances. With side-mounted strapping head, they are also applicable in dusty working environment such as sawmill plants, brick and tile industries. Wide range of arch sizes are available to meet your various applications.

**TP-702Y** (Automatic model)



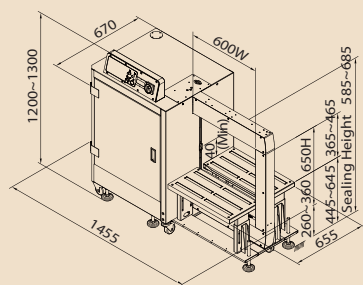
**TP-702YA** (Fully-Auto model)



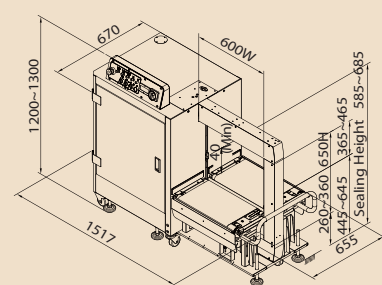
## Wash-down machines

TP-702YM and TP-702YAM are with stainless steel frame and rust resistant or corrosion retardant parts inside. They are applicable in moist and harsh working environment such as meat and poultry processing plants and also marine food industry.

**TP-702YM** (Automatic model)



**TP-702YAM** (Fully-Auto model)



# Main Features



## Robust and Compact Strapping Head

Mercury machines use the latest DC brushless motor technology to provide the highest level of accuracy and reliability. All motors are German-made.

Without belts, clutches, and pulleys, its compact design greatly minimizes the numbers of moving parts and maintenance cost.



## Control Panel with LCD Display

Smart LCD display shows the machine condition for easy operation and maintenance. User friendly.



## Free Access to Strap Guides (patents registered)

Unblock the guides enabling free and quick access to the strap guides without the use of any tools. The most maintenance-friendly design.

# Arch Sizes

TP-702Y, TP-702YA

H \ W	400	600	800	1000	1300
650	*	Ⓢ	N/A	N/A	
850	N/A			N/A	
1050	N/A				
1250	N/A				
1650	N/A	N/A	N/A		N/A

Ⓢ Standard size:  
600 mm(W) x 650 mm(H)  
\* means only for TP-702Y  
N/A means not available

TP-702YM, TP-702YAM

H \ W	600	800
650	Ⓢ	N/A
850		

Ⓢ Standard size:  
600 mm(W) x 650 mm(H)  
N/A means not available

# More Features

## Downward Tension Force

Offers the most consistent tension to the package and helps to hold package more sturdy.

## Strap Dispenser with Ergonomic Design

The position of strap dispenser is inside the machine frame. It makes coil change in the most convenient and labor-saving way. This design also protects the strap dispenser from moisture.

## Water Proof Design (TP-702YM, TP-702YAM)

Internal heating device assists to prevent accumulating humidity inside. Special protection for electric control unit with **IP 54** rated ensures highest safety. Provide most strict protection from water and wash down spray.

## Up and Down Stream Interlock

(TP-702YA, TP-702YAM)

Easily integrated into most production lines.

# Options

- End of cycle and strapping error signals
- Siemens PLC control (for TP-702YA, TP-702YAM)
- Light tree alarm with low strap sensor (triple lamp)
- Energy saving transit with auto sleep mode
- Without adjustable roller table
- (TP-702Y-XT, TP-702YM-XT)

## Side Pusher

Push the package towards strapping head for better strapping.



## Dual Press Bar

Ideal to strap compressible materials or telescoped boxes.



# Technical Data

**Strap Width** 5 mm, 6 mm, 9 mm, or 12 mm

**Strap Tension** 1-32 kg (for 5 mm, 6 mm, and 9 mm)  
1-45 kg (for 12 mm)

**Speed** up to 60 strap/minute (TP-702Y, TP-702YM)  
up to 35 package/minute (TP-702YA, TP-702YAM)

**Net Weight** 294 kg (TP-702Y), 340 kg (TP-702YA)  
281 kg (TP-702YM), 327 kg (TP-702YAM)

## Electrical Requirements

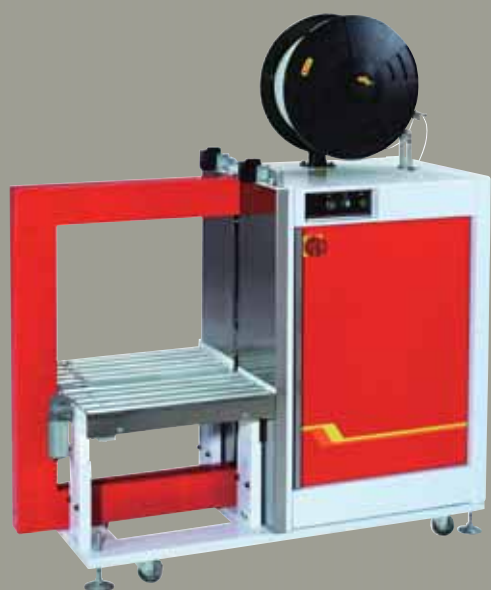
110V, 220V, 230V 50/60Hz 1PH

# Tauris

Enhanced Model

## TP-601Y TP-601YA TP-601YM TP-601YAM

The Tauris side-seal models are enhanced strapping machine for P.P. straps (8 mm-12 mm). They offer high reliability and performance. They can be integrated into most production lines and utilized with various applications.

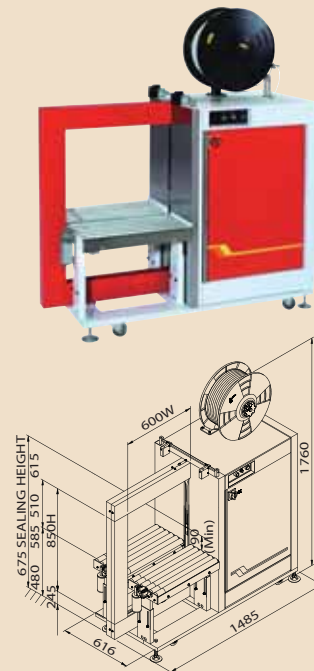
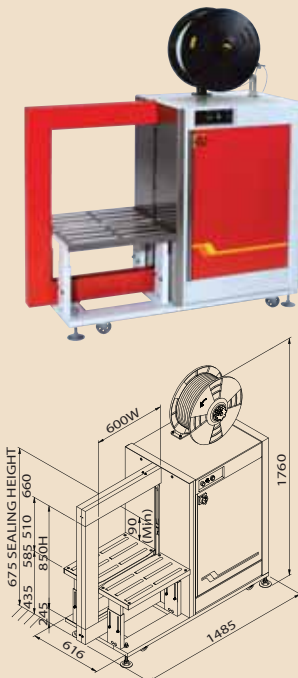


## Painted steel frame machines

TP-601Y and TP-601YA can accommodate a wide variety of products. They are ideal for strapping large or heavy products and household appliances. With side-mounted strapping head, they are also applicable in dusty working environment such as sawmill plants, brick and tile industries. Wide range of arch sizes are available to meet your various applications.

**TP-601Y** (Automatic model)

**TP-601YA** (Fully-Auto model)

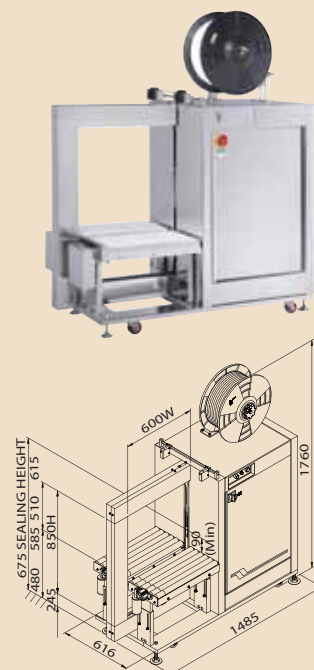
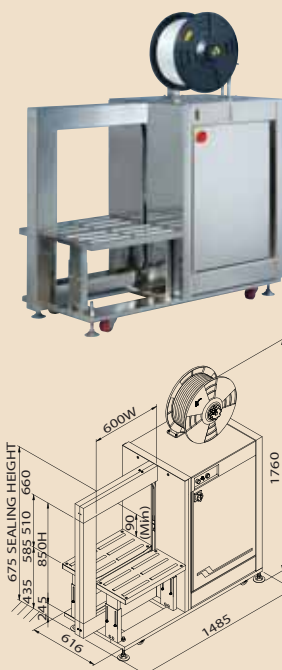


## Wash-down machines

TP-601YM and TP-601YAM are with stainless steel frame and rust resistant or corrosion retardant parts inside. They are applicable in moist and harsh working environment such as meat and poultry processing plants and also marine food industry.

**TP-601YM** (Automatic model)

**TP-601YAM** (Fully-Auto model)





## Main Features



### Reliable and Robust Strapping Head

Robust mechanism design and high engineering standard ensure excellent durability of the products. Use proximity switches to replace conventional limit switches.



### Auto Strap Feeding

Simply insert the strap into the feeding rollers and then push the “reset” button. The machine will automatically feed the strap without the need to access to the inside of the machine. Easy strap loading.



### Auto Strap Ejector

Loop-eject clears unwanted strap automatically if the machine is accidentally activated without a package. Eliminates downtime. (for TP-601Y, TP-601YA)

## Arch Sizes

W	400	600	800	1000	1200
H			N/A	N/A	N/A
650					
850		Ⓢ			
1050					
1250					
1450					
1650					
1850					N/A

Ⓢ Standard size: 600 mm(W) x 850 mm(H)  
N/A means not available

## More Features

### Short Feed Sensor

The sensor detects whether strap is at sealing position. If not, the start switch can not be activated.

### Auto Strap Refeed

The machine will automatically refeed the strap if a mis-feed occurs.

### Strap End Ejector

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

### Water Proof Design (TP-601YM, TP-601YAM)

Special protection for electric control unit with **IP 54** rated ensures highest safety. Provide most strict protection from water and wash down spray.

### Electronic Tension Control (TP-601Y, TP-601YA)

Strap tension can be adjusted accurately by the simple turn of a dial. Easy operation.

### Up and Down Stream Interlock (TP-601YA, TP-601YAM)

With complete plug connection. Easily integrated into most production lines.

## Options

- Foot pedal switch (for TP-601Y, TP-601YM)
- Siemens PLC control (for TP-601YA, TP-601YAM)
- Without adjustable roller table (TP-601Y-XT, TP-601YA-XT, TP-601YM-XT, TP-601YAM-XT)

## Technical Data

<b>Strap Width</b>	8 mm-12 mm
<b>Strap Tension</b>	7 kg to 70 kg
<b>Speed</b>	up to 29 strap/minute (TP-601Y, TP-601YM) up to 18 package/minute (TP-601YA, TP-601YAM)
<b>Net Weight</b>	300 kg (TP-601Y, TP-601YM) 333 kg (TP-601YA), 340 kg (TP-601YAM)
<b>Electrical Requirements</b>	220V, 380V, 400V 50/60Hz 3PH 110V, 220V, 230V 50/60Hz 1PH (only for TP-601Y)

# Tauris

P.P. and PET Strap Solution

## TP-601YPT

TP-601YPT is an automatic side-seal strapping machine for P.P. and PET straps (9 mm-15.5 mm). With extra large arch sizes, TP-601YPT is ideal for large or heavy products, household appliances (like refrigerator, television, washing machine), and various palletized products. It can be integrated into most production lines and utilized with various applications.



## Main Features

### Friction Weld Sealing Technology

Guarantee reliable joint and high sealing efficiency. No fumes and odours.

### Siemens PLC Control

Siemens PLC is state-of-the-art controller. It is programmable and can be expanded flexibly to meet various application requirements.

### Electronic Tension Control

Strap tension can be adjusted accurately by the simple turn of a dial. Tension up to **1500 N (150 kg)**. Easy operation.

### Auto Strap Refeed

The machine will automatically refeed the strap if a mis-feed occurs. Eliminates downtime.

### Auto Strap Ejector

Loop-eject clears unwanted strap automatically if the machine is accidentally activated without a package. Eliminates downtime.

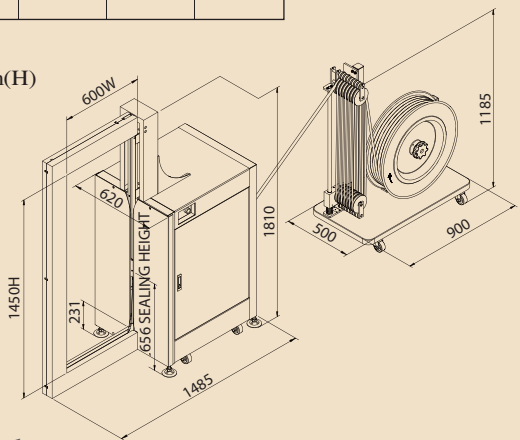
## Options

Up and down stream interlock with photo-eye control  
With adjustable roller table (TP-601YPT-T)

## Arch Sizes

H \ W	600	800	1000	1200	1400
850					
1050					
1250					
1450	(S)				
1650					
1850					
2050					
2250					
2450					

(S) Standard size:  
600 mm(W) x 1450 mm(H)



## Technical Data

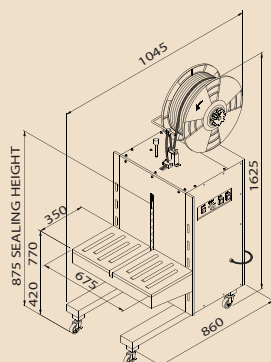
<b>Strap Width</b>	9 mm-15.5 mm
<b>Strap Tension</b>	20 kg to 150 kg
<b>Speed</b>	up to 11 strap/minute (60Hz)
<b>Strap Core Size</b>	406 mm (200/280 mm Optional)
<b>Net Weight</b>	355 kg
<b>Electrical Requirements</b>	220V, 380V, 400V 50/60Hz 3PH

## Painted steel frame machine

Ideal for dusty working environment, such as sawmill plants, brick and tile industries.

Adjustable table height between 420 mm and 770 mm

### TP-201Y



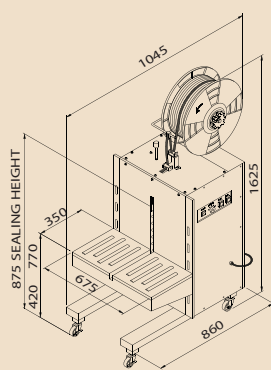
## Stainless steel frame machine

Stainless steel frame SUS 304

Ideal for moist working environment, such as meat, fish, poultry and agricultural processing plants.

Adjustable table height between 420 mm and 770 mm

### TP-201YS



## Main Features

- Offer high reliability and performance
- Suitable for low volume applications
- Easy operation, simple maintenance
- Mechanical outside tension control
- Reliable P.C. Board control
- Proven quality

## Options

- With cooling time (0-2 sec.)
- Selected parts in stainless steel (for TP-201YS)

## Technical Data

**Strap Width** 6 mm-15.5 mm adjustable

**Strap Tension** 15 kg to 45 kg

**Net Weight** 125 kg

**Electrical Requirements**

110V, 220V, 230V 50/60Hz 1PH

## Economy Machine

Affordable for every budget

## TP-201Y TP-201YS

The TP-201Y series machines are semi-auto side-seal strapping machines. The strapping head is mounted on the side of the machine frame to protect it from dust and water. Great for dirty, moist, or harsh working environment.





**Offer Maximum Value  
with Minimum Cost.**

**Always More than You Expect.**



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All specifications are subject to change without notice.