

# MERCURY TP-702N



Transpak offers upgraded fully automatic strapping machines, designed specifically for the printed media industry. They are particularly suitable for newspaper, magazine, commercial, and mail order strapping. In this category, we have five models to meet your various needs:

- In-line cross strapping system TP-702NIL
- Fully automatic strapping machine TP-702NS
- Fully automatic longitudinal strapping machine TP-702NL
- Cross strapping system with angle diverter TP-702NAD
- Fully automatic magazine strapping machine TP-702MGZ

# PRINTED MEDIA STRAPPING MACHINE

# In-line Cross Strapping System

Cross strapping without bundle turning

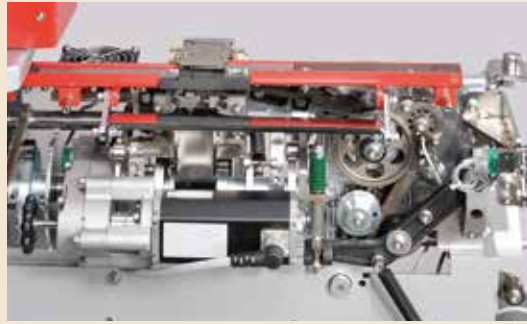
## TP-702NIL

(TP-702NIL consists of TP-702NL Longitudinal Strapping Machine and TP-702NS Strapping Machine)

The TP-702NIL is a fully automatic strapping system for in-line cross strapping. The design without bundle turning can secure the integrity of the bundle for cross strapping.



## Main Features



### Robust & Compact Mechanical Strapping Head

TP-702N uses the latest DC brushless motor technology to provide the highest level of accuracy and reliability on the market. All motors are German-made.

The strapping head has no belts, clutches, or pulleys. It is designed with up-to-date technology with few moving parts. With 30% fewer parts, TP-702N requires fewer adjustments, has fewer wear components, and requires less maintenance. The simple design of TP-702N minimizes the maintenance cost.



**REVOLUTIONARY INTELLIGENT**

### Automatic Self-adjusting Strap Chute (patents registered)

The strap chute can detect the incoming bundle height and stop at the accurate position. This revolutionary intelligent design can streamline your strapping line and increase the strapping cycle speed.



### Easy Access to Strapping Head (patents registered)

The strapping head can be pulled out without moving the machine from production line. With this most user friendly design, operators can perform maintenance directly without pulling out the machine from the production line.



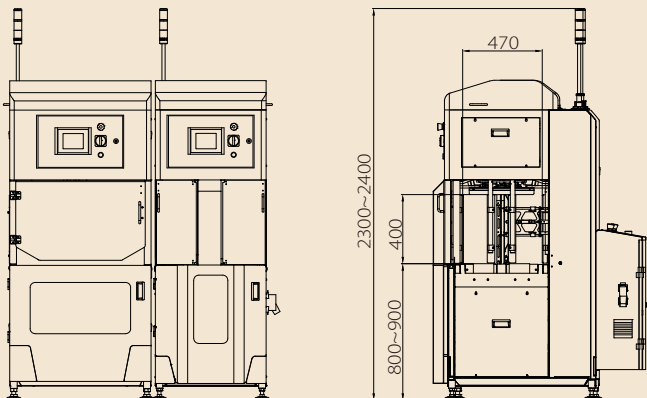
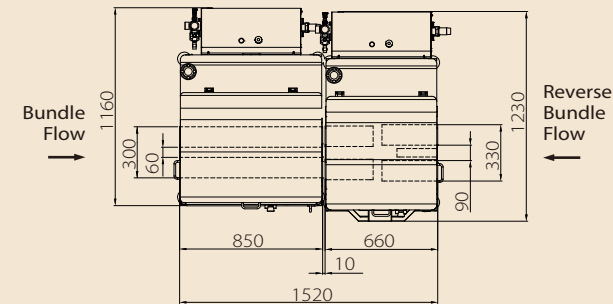
### Siemens PLC Control and HMI

Provide easy adjustments, operating instructions, and troubleshooting guides. Easy TEACH-IN programming without the need to adjust the setting when changing to different bundle size.



### Free Access to Strap Guides (patents registered)

Unblocking the guides enables free and quick access to strap guides without use of any tools. The most maintenance friendly design.



## More Features

### Automatic Tension Control (patents registered)

The machine will automatically apply different tension force to various bundle dimensions.

### Dual Pneumatic Press

Offer better bundle stability and containment.

### Auto Strap Ejector

Loop-eject clears unwanted strap automatically. Eliminate downtime.

### Strap End Ejector

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

### Up and Down Stream Interlock

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

## Options

- Energy saving transit with auto sleep mode
- **Light tree alarm with low strap sensor (triple lamp)**
- Soft press for convex bundle
- Lower adjustable table height with movable casters (730 mm – 830 mm)
- **Automatic side squaring**
- **Reverse bundle flow**
- Low volume bundle bypass
- Movable casters (picture shown with this option)
- Lever switch for bundle with wrapping
- Auxiliary equipment: **N-AC accumulating conveyor** for strapping line integration

## TP-702NIL Technical Data

<b>Capacity</b> Up to 31 bundle/minute			
<b>Bundle Size</b>			
Width	max 450 mm	min 120 mm	
Length	max 500 mm	min 210 mm	
Height	max 400 mm	min 10 mm	
<b>Bundle Weight</b> max 25 kg			
<b>Strap Width</b> 5 mm, 6 mm, or 9 mm PP strap			
<b>Strap Tension</b> 1-32 kg			
<b>Strap Coil</b> 200 mm (150 mm optional)			
<b>Transport Speed</b> 10-60 m/minute			
<b>Electrical Requirements</b>			
220V, 380V, 400V 50/60 Hz 3PH			
<b>Power Consumption</b> 2.0 kW			
<b>Pneumatic Source</b> 6 bar			
<b>Air Consumption</b> 11.18 liter/cycle			
<b>Net Weight</b> 905 kg			

# Fully Automatic Strapping Machine

High speed strapping machine for single and parallel strapping

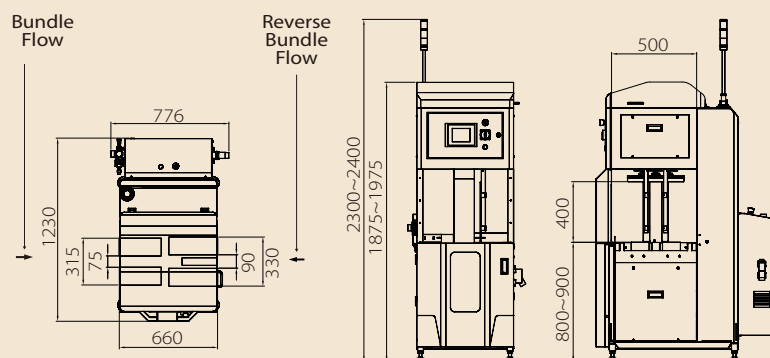
## TP-702NS

The TP-702NS is a fully automatic strapping machine. With its high speed strapping, it can be integrated into most production lines and be utilized with various applications.



## Main Features

- Robust & compact mechanical strapping head
- **Automatic tension control for various bundle dimensions** (patents registered)
- Dual pneumatic press
- Up and down stream interlock with complete plug connection
- Fully automatic operation with variable conveyor speed
- **Siemens PLC control and touch panel**
- **Free access to strap guides** (patents registered)
- **Easy access to strapping head** (patents registered)
- Strap end ejector
- Adjustable table height between 800 mm and 900 mm
- Auto strap ejector



## Options

- Energy saving transit with auto sleep mode
- **Light tree alarm with low strap sensor** (triple lamp)
- Soft press for convex bundle
- Lower adjustable table height with movable casters (730 mm – 830 mm)
- **Automatic side squaring**
- **Reverse bundle flow**
- Low volume bundle bypass
- Movable casters (picture shown with this option)
- Lever switch for bundle with wrapping
- Auxiliary equipment: **N-AC accumulating conveyor** for strapping line integration

## TP-702NS Technical Data

**Capacity** Single strapping up to 42 bundle/minute  
Double strapping up to 24 bundle/minute

### Bundle Size

Width	max 500 mm	min 120 mm
Height	max 400 mm	min 10 mm

**Bundle Weight** max 25 kg

**Strap Width** 5 mm, 6 mm, or 9 mm PP strap

**Strap Tension** 1-32 kg

**Strap Coil** 200 mm (150 mm optional)

### Electrical Requirements

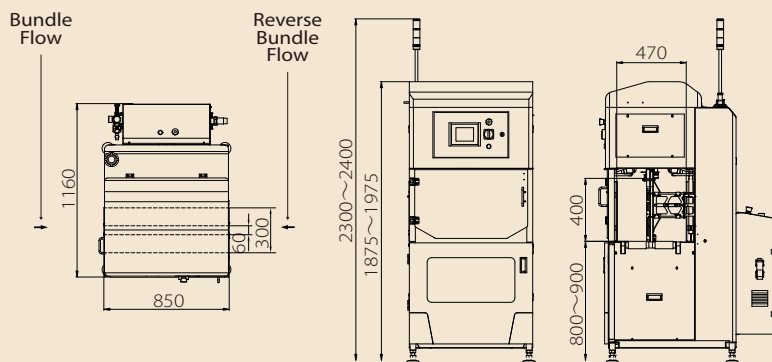
220V, 380V, 400V 50/60 Hz 3PH

**Net Weight** 430 kg



## Main Features

- Robust & compact mechanical strapping head
- **Automatic self-adjusting strap chute** (patents registered)
- **Automatic tension control for various bundle dimensions** (patents registered)
- Up and down stream interlock with complete plug connection
- Fully automatic operation with variable conveyor speed
- **Siemens PLC control and touch panel**
- **Free access to strap guides** (patents registered)
- **Easy access to strapping head** (patents registered)
- Strap end ejector
- Adjustable table height between 800 mm and 900 mm
- Auto strap ejector



## Options

- Energy saving transit with auto sleep mode
- **Light tree alarm with low strap sensor** (triple lamp)
- Lower adjustable table height with movable casters (730 mm - 830 mm)
- **Reverse bundle flow**
- Low volume bundle bypass
- Movable casters (picture shown with this option)
- Adjustable side guides
- Lever switch for bundle with wrapping
- Auxiliary equipment: **N-AC accumulating conveyor** for strapping line integration

## TP-702NL Technical Data

**Capacity** up to 31 bundle/minute

### Bundle Size

Width	max 450 mm	min 120 mm
Length	max 500 mm	min 210 mm
Height	max 400 mm	min 10 mm

**Bundle Weight** max 25 kg

**Strap Width** 5 mm, 6 mm, or 9 mm PP strap

**Strap Tension** 1-32 kg

**Strap Coil** 200 mm (150 mm optional)

### Electrical Requirements

220V, 380V, 400V 50/60 Hz 3PH

**Net Weight** 475 kg

# Fully Automatic Longitudinal Strapping Machine

Bundle strapping in transport direction

## TP-702NL

The TP-702NL is a fully automatic longitudinal strapping machine. The bundle is strapped in the transport direction.



# Cross Strapping System with Angle Diverter

Cross strapping with transport direction change

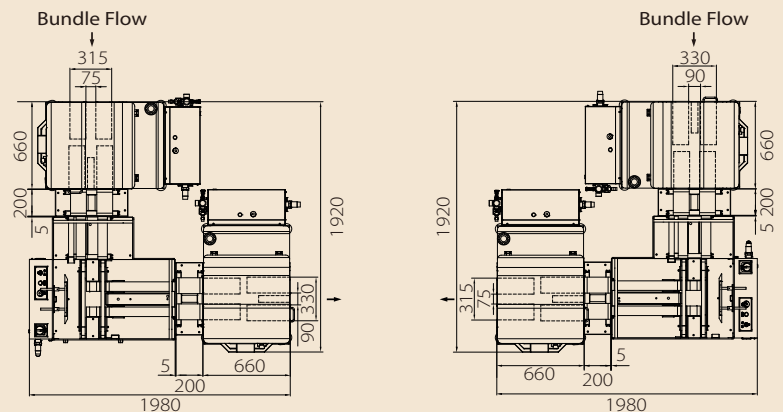
## TP-702NAD

(TP-702NAD consists of two TP-702NS Strapping Machine and one N1-AD Angle Diverter)

The TP-702NAD is a fully automatic strapping system with angle diverter for cross strapping requirement.

## Main Features

- Robust & compact mechanical strapping head
- **Automatic tension control for various bundle dimensions** (patents registered)
- Dual pneumatic press
- Up and down stream interlock with complete plug connection
- Fully automatic operation with variable conveyor speed
- **Siemens PLC control and touch panel**
- **Free access to strap guides** (patents registered)
- **Easy access to strapping head** (patents registered)
- Strap end ejector
- Auto strap ejector
- Adjustable table height between 800 mm and 900 mm



## Options

- Energy saving transit with auto sleep mode
- **Light tree alarm with low strap sensor** (triple lamp)
- Soft press for convex bundle
- **Automatic side squaring**
- Low volume bundle bypass
- Movable casters (picture shown with this option)
- Lever switch for bundle with wrapping
- Safety guards (picture shown with this option)
- Auxiliary equipment: **N-AC accumulating conveyor** for strapping line integration

## TP-702NAD Technical Data

**Capacity** up to 25 bundle/minute

### Bundle Size

Width	max 500 mm	min 210 mm
Length	max 500 mm	min 210 mm
Height	max 400 mm	min 10 mm

**Bundle Weight** max 25 kg

**Strap Width** 5 mm, 6 mm, or 9 mm PP strap

**Strap Tension** 1-32 kg

**Strap Coil** 200 mm (150 mm optional)

### Electrical Requirements

220V, 380V, 400V 50/60 Hz 3PH

**Net Weight** 1,045 kg



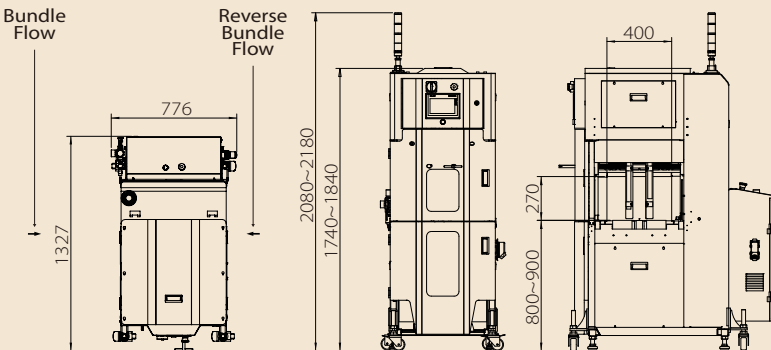
## Main Features



### Precise Bundle Control

Automatic 4-side bundle squaring and multi-belt tabletop design provide precise bundle handling for a wide range of bundles from 130 mm wide through 330 mm wide. It secures the integrity of bundles and meets the demands of variable applications (magazine, zip sorted bundle, digest, tabloid, etc.)

More features refer to TP-702NS



## Options

- Energy saving transit with auto sleep mode
- **Light tree alarm with low strap sensor** (triple lamp)
- Low volume bundle bypass
- Adjustable bump-proof legs (picture shown with this option)
- Reverse bundle flow
- Lower adjustable table height with movable casters  
(730 mm – 830 mm)
- Auxiliary equipment: **N-AC accumulating conveyor** for strapping line integration

## TP-702MGZ Technical Data

<b>Capacity</b> up to 42 bundle/minute		
<b>Bundle Size</b>		
Width	max 330 mm	min 130 mm
Length	max 380 mm	min 180 mm
Height	max 250 mm	min 7 mm
<b>Bundle Weight</b> max 25 kg		
<b>Strap Width</b> 5 mm, 6 mm, or 9 mm PP strap		
<b>Strap Tension</b> 1-32 kg		
<b>Strap Coil</b> 200 mm (150 mm optional)		
<b>Electrical Requirements</b>		
220V, 380V, 400V 50/60 Hz 3PH		
<b>Net Weight</b> 450 kg		

# Fully Automatic Magazine Strapping Machine

High speed strapping machine for magazine strapping

## TP-702MGZ

TP-702MGZ is a high speed fully automatic strapping machine, designed specifically for the strapping of magazine and other printed media. With its advanced and precise bundle control, TP-702MGZ can be well adapted to stacker and assures bundle integrity.



Offer Maximum Value  
with Minimum Cost.

**Always More than You Expect.**



**TP-702NIL**

In-line cross strapping system



**TP-702NS**

Fully automatic strapping machine



**TP-702NL**

Fully automatic longitudinal strapping machine



**TP-702NAD**

Cross strapping system with angle diverter



**TP-702MGZ**

Fully automatic magazine strapping machine



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](http://www.transpakcorp.com)  
E-mail: [transpak@transpak.com.tw](mailto:transpak@transpak.com.tw)

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All specifications are subject to change without notice.