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Sal-Tech Easy Packaging

Fully Automatic Strapping Machines for Currogated Industry

Full range of machines with all the special demands in focus for this industry.

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STEP TP-702C

Strapping Machine for the Corrogated industry segment

STEP TP-702C corrugated strapper is built with Mercury strapping head and DC brushless motor direct drive technology. It's also equipped with the state-of-the-art Siemens PLC, electronic controls, proximity sensors, etc. High strapping speed, low maintenance requirement, and proven reliability make it particularly suitable for the sheet plants.

STEP TP-702C-L Item no.: 41202120

STEP TP-702C-M Item no.: 41202110

Features:

- Robust & compact mechanical strapping head
- Siemens PLC control
- Free access to strap guides *(patents registered)*
- Hinged roller table
- Auto strap ejector
- Patented jammed-strap ejection device
- Full-width pneumatic press
- Multiple strap function
- Variable conveyor speed
- Strap end ejector
- Adjustable table height between 700mm and 1000 mm

Technical Data

Arch Size	STEP TP-702C-L 1650 mm(W) x 450 mm(H) Item no.: 41202120 STEP TP-702C-M 1250 mm(W) x 450 mm(H) Item no.: 41202110
Strap Width	5 mm, 6 mm, or 9 mm
Tension Range	1 - 32 kg
Capacity	Up to 33 bundles/minute (single strap) Up to 20 bundles/minute (double straps) (Model: TP-702C-L)
Minimum Bundle Size	200 mm(W) x 20 mm(H) x 300 mm(L)
Bundle Weight	max 40 kg
Transport Speed	15 – 60 M/minute
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

Options

- Siemens HMI (touch panel)
- Light tree alarm with low strap sensor (triple lamp)
- Adjustable backstop
- Foot pedal switch
- Strapping cycle counter

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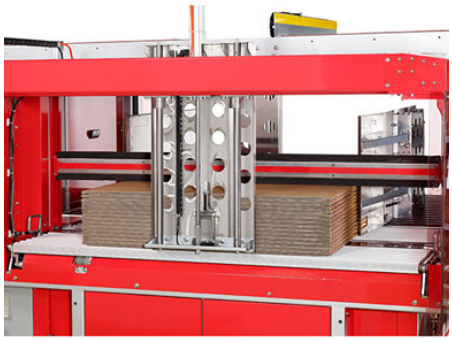
STEP TP-702CQ

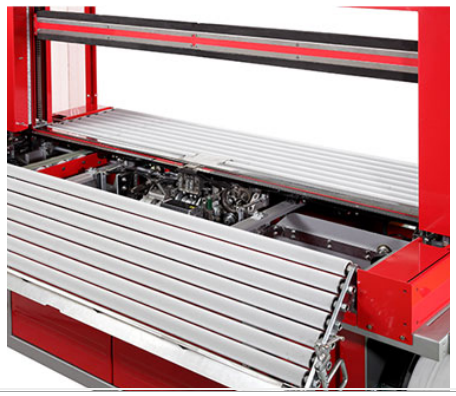
Strapping Machine for the Corrogated industry segment

STEP TP-702CQ is built with STEP TP-702C corrugated strapper combined with the 4-side squaring station C1-BQ. The backstop, pusher, and side squaring provide the precise bundle control and assure the bundle integrity during the strapping process. Easy bundle size setup eliminates the downtime and makes the production more efficient. A truly user friendly machine for connecting with your casemaking line.

STEP TP-702CQ-M Item no.: 41202130

STEP TP-702CQ-L Item no.: 41202140





Features:

- Robust & compact mechanical strapping head
- 4-side squaring bundle control
- Siemens PLC control and HMI
- Free access to strap guides *(patents registered)*
- Hinged roller table
- Auto strap ejector
- Patented jammed-strap ejection device
- Full-width pneumatic press
- Multiple strap function
- Variable conveyor speed
- Strap end ejector
- Adjustable pressure on press and squaring

Technical Data

Arch Size	STEP TP-702CQ-L 1650 mm(W) x 450 mm(H) Item no. 41202140 STEP TP-702CQ-M 1250 mm(W) x 450 mm(H) Item no. 41202130
Strap Width	5 mm, 6 mm, or 9 mm
Tension Range	1 - 32 kg
Capacity	Up to 17 bundles/minute (single strap) Up to 13 bundles/minute (double straps) (Model: STEP TP-702CQ-L)
Minimum Bundle Size	200 mm(W) x 50 mm(H) x 350 mm(L)
Bundle Weight	max 35 kg
Transport Speed	15 – 60 m/minute
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

Options

- Light tree alarm with low strap sensor (triple lamp)
- LCD display for squaring position setup
- Foot pedal switch

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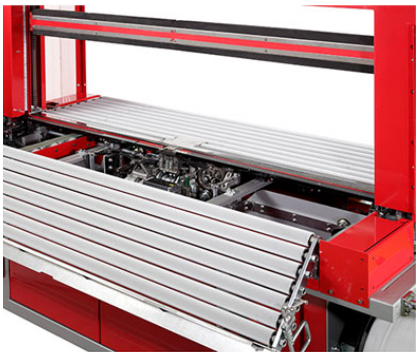
STEP TP-702CCQ

Strapping Machine for the Corrogated industry segment



STEP TP-702CCQ is built with STEP TP-702C corrugated strapper combined with the 3-side squaring station CC-BSS. It offers high strapping productivity with the most cost-effective bundle squaring solution for the corrugated industry.

Features:

- Robust & compact mechanical strapping head
- 3-side squaring bundle control
- Siemens PLC control
- Free access to strap guides *(patents registered)*
- Hinged roller table
- Auto strap ejector
- Patented jammed-strap ejection device
- Full-width pneumatic press
- Multiple strap function
- Variable conveyor speed
- Strap end ejector
- Adjustable pressure on press and squaring

STEP TP-702CCQ-M Item no.: 41202150

STEP TP-702CCQ-L Item no.: 41202160

Technical Data

Arch Size	STEP TP-702CCQ-L 1650 mm(W) x 450 mm(H) Item no.: 41202160 STEP TP-702CCQ-M 1250 mm(W) x 450 mm(H) Item no.. 41212150
Strap Width	5 mm, 6 mm, or 9 mm PP strap
Tension Range	1 - 32 kg
Capacity	Up to 26 bundles/minute (single strap) Up to 20 bundles/minute (double straps) (Model: TP-702CCQ-L)
Minimum Bundle Size	200 mm(W) x 20 mm(H) x 300 mm(L)
Bundle Weight	max 40 kg
Transport Speed	15 – 60 M/minute
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH

Options

- Siemens HMI (touch panel)
- Light tree alarm with low strap sensor (triple lamp)
- Foot pedal switch
- Strapping cycle counter

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STEP TP-702CQ3-S

STEP TP-702CQ3 High Speed Strapping Machine for the Corrogated industry with integrated Squarring Unit.

Features:

- Compact & robust strapping head
- 3-side squaring bundle control
- Automatic bundle size setup system
- Motorized full-width press bar
- Siemens PLC and HMI (touch panel)
- Good for small bundle
- Free access to strap guides
- Hinged roller table

Options:

- Dual dispensers with auto coil change
- Light tower with low strap sensor
- Energy saving transit with auto sleep mode
- Floor rails
- Foot pedal switch
- Bus interface for bundle size data transfer from upstream equipment

Technical Data

Arch Size	1650 mm (W) x 450 mm(H)
Capacity	Up to 26 bundles/minute (single strap) Up to 13 bundles/minute (double straps)
Strap Width	5 mm, 6 mm, or 9 mm
Tension Range	1 - 32 kg
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH
STEP Item no.:	41202170

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STEP TP-702CQ3-T Tandem High Speed Corrugated Strapper with Integrated Squaring System

STEP TP-702CQ3-T is an all-electric TANDEM system of high speed corrugated strapper with integrated 3-side squaring design. Built on the quality proven Transpak TP-702C corrugated strapper, it carries all the innovative features of the TP-702C. Motorized squaring and backstop devices provide precise bundle handling and positioning for forming perfect bundles. The TANDEM design with the built-in program enables the system to process up to 28 bundles per minutes - one of the fastest system designed specially for high capacity Flexo Folder Gluer and Casemaker in the industry.

Features

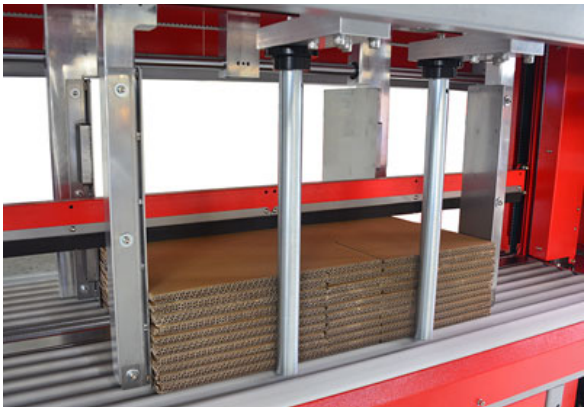
- Compact & robust strapping head
- 3-side squaring bundle control
- Automatic bundle size setup system
- Up to 32 bundles per minute
- Motorized full-width press bar
- Multiple operation modes
- Siemens PLC and HMI (touch panel)
- Good for small bundle
- Free access to strap guides
- Hinged roller table

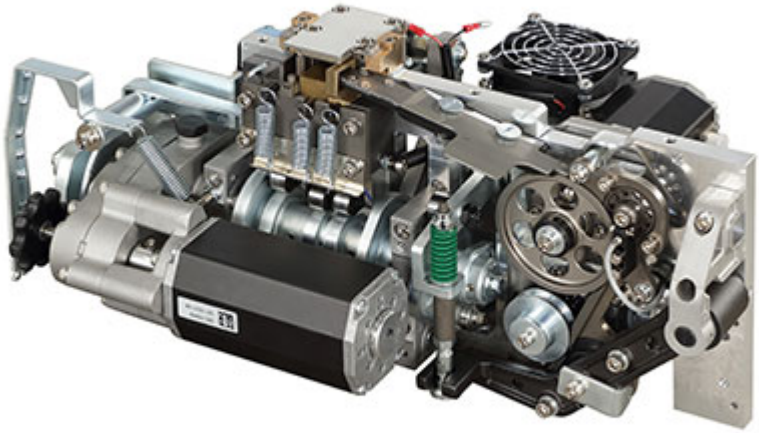
Options

- Dual dispensers with auto coil change
- Light tower with low strap sensor
- Energy saving transit with auto sleep mode
- Floor rails
- Press roller on accumulating conveyor
- Bus interface for bundle size data transfer from upstream equipment

Technical Data

Arch Size	1650 mm (W) x 450 mm(H)
Capacity	Up to 32 bundles/minute (single strap) Up to 26 bundles/minute (double straps)
Strap Width	5 mm, 6 mm, or 9 mm
Tension Range	1 - 32 kg
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH
STEP Item no.:	41202180





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STEP TP CIL Transcorrliner

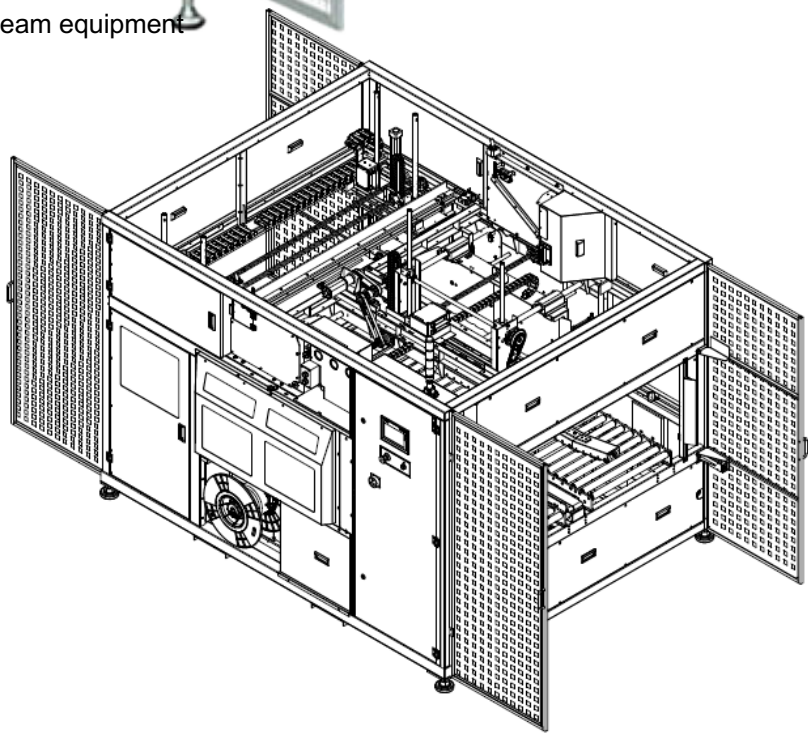
STEP TP – CIL is designed that allows its drape – strap feeding to use economical PP Strap with good performance. Available in Single and Twin Strapping Heads, fast and easy job change within 15 seconds for different bundle dimensions also greatly minimize costly downtime. Both make STEP TP – CIL the most cost – effective strapping solution in the corrugated industry.

Features:

- Compact & Robust Strapping Head
- Intelligent Pusher Optimizes Speed
- Strapping in the Flute Direction
- Independent Controlled Conveyor
- Automatic Bundle Size Setup System
- SIEMENS PLC and
- Off – center Strapping
- Good for Inexpensive Narrow Strap

Options:

- Powered Alignment Device
- Air Conditioner for Control Box
- Belt Driven conveyor for the last bundle
- Sleep Mode (transmission stop)
- Uplifted support
- Bus Interface for bundle size data transfer from upstream equipment
- Auto splicer
- Auxiliary equipment: C – AC upstream accumulating conveyor for strapping line integration



Specifications	
Capacity	Up to 30 bundles/min.
Strap Width	5mm, 6mm, 8mm or 9mm PP strap
Tension Range	1-20 Kg
Bundle Weight	Max. 30 Kg
Conveyor Height	750 – 1050mm
Transport Speed	30 – 80 m/min.
Electrical Requirements	220V, 380V, 400V 50/60Hz 3PH
STEP Item No.	41202200

Stack Sizes							
Machine Model	Item no.	Width A (mm)		Length B (mm)		Height C (mm)	
		Min.	Max.	Min.	Max.	Min.	Max.
STEP TP CIL -13S	41212200-13S	180	1300	180	1300	50	350
STEP TP CIL-13T	41212200-13T	450	1300	180	1300	50	350
STEP TP CIL-16S	41212200-16S	180	1600	180	1600	50	350
STEP TP CIL-16T	41212200-16T	450	1600	180	1600	50	350

***TP-CIL-13S Single head for single strapping**
***TP-CIL-13T Twin head for single or paralled strapping**
***TP-CIL-16S Single head for single strapping**
***TP-CIL-16T Twin head for single or parallel strapping**

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STEP TP 702CTRS

STEP TP-702CTRS is designed to strap specialty boxes, including crash lock boxes, four corner tray and other folded type boxes from shingled-stream folder gluer output. Inheriting the merits of the reputable STEP TP-702 Mercury, it carries all the innovative features and offers high production speed. The clever side-pusher and backstop designs ensure of the best stack condition after strapping, and protect delicate boxes from damage without sacrificing its high speed. STEP TP-702CTRS is an efficient squaring and strapping solution for specialty folder gluer products.

Features

- Compact & robust strapping head
- Ascending backstop with sensor
- Quick and effortless changeover
- Easy maintenance
- Siemens PLC and HMI (touch panel)
- Free access to strap guides

Options

- Light tower with low strap sensor
- Foot pedal switch
- Powered top conveyor
- Additional backstop

Technical Data

Maximum Bundle Size	arch width — width — height — length **1000 mm** 950 mm x 400 mm x 1300 mm - Item 41202190-1000 **1300 mm** 1250 mm x 400 mm x 1300 mm - Item 41202190-1300 **1600 mm** 1550 mm x 400 mm x 1300 mm - Item 41202190-1600
Capacity	Up to 23 bundles/minute (single strap)
Strap Width	5 mm, 6 mm, 9 mm, or 12 mm
Strap Tension	1 - 32 kg (for 5 mm, 6 mm, 9 mm) 1 - 55 kg (for 12mm)
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH
STEP Item no.:	41202190

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STEP C-AT Accumulating Conveyor

STEP C-AC is an accumulating conveyor with press roller designed specially for corrugated industry. It functions as an accumulation/ buffer zone between strapping machine and upstream equipment, which allows one bundle to enter strapping machine at a time. Table height is adjustable from 780 mm to 1080 mm

Technical Data

Conveyor Speed	10 – 60 m/minute
Minimum Bundle Size	180 mm(W) x 50 mm(H) x 180 mm(L)
Bundle Weight	max 35 kg
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH
STEP Item no.:	41202310

STEP C-BT Bundle Turner for Currogated Carton

STEP C-BT Bundle Turner is designed for turning the bundle for downstream strapping operation. It is an ideal device for connecting the casemaking line to strap in the carton flute direction.

- Suitable for various bundle dimensions
- Table height is adjustable from 700 mm to 1000 mm
- Up and down stream interlock with complete plug connection
- Robust and sturdy frame

Conveyor Speed	Infeed: 15 – 65 m/minute Exit: 18 – 75 m/minute
Table Size	C-BT-L 1662 mm(W) x 2400 mm(D) Item no.: 41202320-16.24 C-BT-M 1662 mm(W) x 1880 mm(D) Item no.: 41202320-16.18
Minimum Bundle Size	200 mm(W) x 20 mm(H) x 300 mm(L)
Bundle Weight	max 35 kg
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH
STEP Item no.:	41202320

STEP C-CV Accumulating Conveyor

STEP C-CV is an accumulating conveyor designed specially for corrugated industry. It functions as an accumulation/buffer zone between strapping machine and upstream equipment, which allows one bundle to enter strapping machine at a time. Table height is adjustable from 700 mm to 1000 mm

Conveyor Speed	10 – 60 m/minute
Minimum Bundle Size	250 mm(W) x 50 mm(H) x 200 mm(L)
Bundle Weight	max 35 kg
Electrical Requirements	220V, 380V, 400V, 415V 50/60Hz 3PH
STEP Item no.:	41202330