

AUTOMATIC STRAPPING SYSTEM

TPS Optimus

Powered Roller Conveyor — with Optional Compression

The TPS® Optimus pairs a powered roller conveyor with optional top compression to deliver consistent, secure strapping on virtually any product — driven by an advanced servo strapping system engineered for high efficiency and dependable performance.

APPLICATIONS: [BUNDLE](#) | [CLOSE](#)



SHOWN WITH OPTIONAL COMPRESSION

30^{BPM} BUNDLE SPEED	Servo FEED & TENSION	6.6–66^{LB} TENSION RANGE	Weld HEAT SEAL
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OVERVIEW

The Optimus incorporates a user-friendly PLC control system with HMI touch-screen controls, giving operators quick access to machine parameters and real-time, time- and date-stamped diagnostics. Automatic cut-and-refeed technology, auto-loading, variable conveyor speeds, and upstream/downstream interlocks are engineered to maximize productivity while minimizing downtime.

Ideal for corrugated plants and high-volume packaging operations that demand reliable performance, easy diagnostic troubleshooting, and the lowest possible cost of ownership.

INCLUDED FEATURES

- Premium Touch-Screen Controls & Diagnostics
- Fully Automatic
- Up to 3 Straps per Bundle
- Powered Strap Gate
- 30 Bundles / Minute

OPTIONAL FEATURES

- Pneumatic Top Compression
- Infeed / Outfeed Conveyor
- Upstream Squaring Device (3 or 4 Sided)

Built for high-volume operations — and the lowest possible cost of ownership.

CORRUGATED · BUNDLING · HIGH-VOLUME PACKAGING

TRANSFORMER PACKAGING SYSTEMS L.L.C

Distributed by **GAPCO**

TECHNICAL DATA

Specification Sheet

MACHINE SPECIFICATIONS

Speed	Up to 30 bundles/min
Strap Width Options	5, 6, 9, 12, 15 mm
Tension Range	6.6 – 66 lbs
Standard Arch Size	65" x 20"
Motor	Mitsubishi Servo
Sealing Method	Heat Weld
Pass-Through Height (adj.)	31.69"
Power Supply	110V, 60Hz, 1PH
Warranty	3-Yr Structural 2-Yr bumper-to-bumper · 90-day wear
Support	Support@TransformerPackagingSystems.com

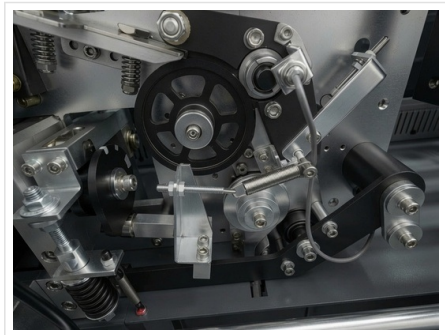
MACHINE FEATURES

- Mitsubishi PLC with HMI Screen Controls & Time/Date Diagnostics
- Automatic Cut / Refeed Mechanism
- Auto Loading System
- End of Coil Ejecting System
- Short Feeding Sensor
- Variable Conveyor Speed
- Upstream & Downstream Interlock
- Multi-Strap Placement
- Powered Knurl Roller Top
- Pneumatic Top Compression

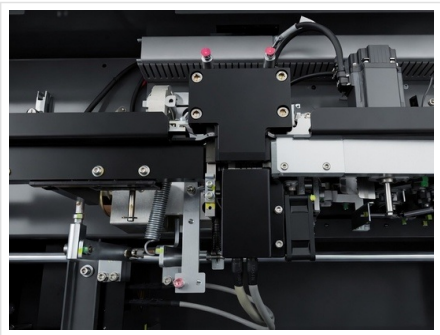
WARRANTY COVERAGE

- 3 YR** Structure & Frame — frame, rollers, and all core mechanical elements
- 2 YR** Bumper-to-Bumper — servo motors, PLC, HMI, and pneumatic top compression
- 90 DAY** Wear & consumable parts

ENGINEERING HIGHLIGHTS



Strapping Head
Open architecture, minimal wearing parts, toolless serviceability.



Seal Head
Heat-weld joint with Mitsubishi servo-driven feed & tension.



HMI Control Screen
Live, time- & date-stamped diagnostics for fast troubleshooting.

Built to last and designed to outperform.

UPSTREAM SQUARING CONVEYOR

TPS 3-CS

Powered Roller Conveyor · 3-Sided Upstream Squaring

The TPS 3-CS is a powered roller conveyor with three-sided squaring and a fixed back stop. It aligns every bundle on three sides and sets a uniform trailing edge, feeding squared, uniform loads directly into the Optimus strapping machine — the reliable front end of a fully automatic, turnkey line.



TPS 3-CS SQUARING CONVEYOR

3

UPSTREAM SQUARING · SIDED

65–130

CONVEYOR SPEED · FPM

1–110

BUNDLE WEIGHT · LB

0.8

MAX POWER · kW

3-CS SPECIFICATIONS

Conveyor Speed	65 – 130 ft/min
Bundle Weight	1 – 110 lbs
Bundle Length	11.8" – 43.4"
Bundle Width	11.8" – 59"
Bundle Height	0.75" – 17.7"
Table Height	30.5" – 33.5" (adj.)

HANDLING · POWER · FOOTPRINT

Squaring	3-Sided + Back Stop
Conveyor	Powered Driven Roller
Power Supply	220V / 50Hz / 1PH
Power Consumption	Max 0.8 kW
Overall Footprint	2,327 × 1,895 mm
Options	Optimus Strapping Machine

Perfectly square bundles — every cycle, upstream of the strap.

CORRUGATED · BUNDLING · UPSTREAM SQUARING