

SPLITTER / TURNOVER

Splitting Diversity



An integrated Block Splitter and Turnover (SPT) is available in models to handle the output of three, four, five or six at-a-time concrete products machines.

The SPT can operate sequentially or independently depending upon current production needs. In a single cycle, the SPT can split, turn or split and turn units. Counter controls can selectively turn only the base course, or they can count and turn partial pallet loads for handling odd block and mixed mold boxes.



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STANDARD FEATURES

- Bar conveyor for 3 at-a-time concrete products machines with digital position sensor positioning. The rear table holds 24" wide (590 mm) x 32" long (790 mm) product.
- S63 EZ Block Splitter for splitting standard, architectural and retaining wall products. Splits units from 1-5/8" (41 mm) to 12" (305 mm) high and up to 24" (610 mm) wide. Includes:
 - Rugged 1-1/4" (32 mm) steel plate frame
 - Quick change blades and positioning
 - Carbide tipped blades for four way straight splits
 - Dual 6" (152 mm) bore, 12" (305 mm) stroke splitting cylinders for maximum splitting force
 - 2.5 gallon (9.46 l) hydraulic accumulator
 - Control panel with Allen-Bradley PLC and Allen-Bradley color graphic touch human machine interface (HMI)
 - 24 Volt DC inputs
- Brick and Block Turnover feeds, clamps and turns all standard size block and brick. Handles product ranging from 1-5/8" (41 mm) to 16" (406 mm) tall. Includes:
 - Orbital motors with speed control to power all movements, except clamping
 - Clamp assembly for 16" (406 mm) product with quick change pins on the clamp arms
 - Quick adjust clamp pads
 - 24 Volt DC inputs



Consistent splits are easily achieved with the SPT

OPTIONAL ENHANCEMENTS

- Powered feed conveyor (required when the splitter is not fed by a depalletter)
- Bar conveyor for 4, 5 or 6 units at-a-time, 8" (200 mm) equivalents
- Turntable for the bar conveyor
- 24" (610 mm) long straight blades for splitting product wider than 16" (406 mm). Includes two 12" (305 mm) top and bottom blades.
- 24" (610 mm) turn arm package for the turnover
- V-wheel carriage and quick disconnects to allow movement in and out-of-line
- Waste removal systems
- Allen-Bradley SLC 5/05™ with color graphic touch HMI control station

SPECIFICATIONS

Production Rate

- 2.5 seconds per split at 8" (200 mm) splitter feed conveyor travel

Product Capacity*

- Width: Up to 24" (610 mm) wide standard*
- Height: 1-5/8" - 16" (41 mm - 406 mm) high**

Hydraulic Requirements

- 43 gallons (163 l) per minute peak consumption at 750 psi

Pneumatic Requirements

- 80 psi continuous, .25 cfm consumption

Voltage (other voltages available)

- Power: 480 V, 3 phase, 60 Hz
- Control: 120 V, single phase, 60 Hz

Dimensions/Weight

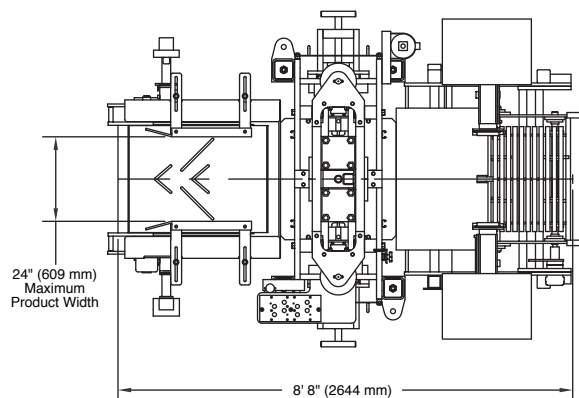
- Width: 6' 1" (1854 mm)
- Height: 4' 3" (1295 mm) from wear plate to top of machine
- Length: 8' 8" (2642 mm)
- Weight: 5200 lbs (2359 kg)

* 24" (610 mm) long splitter blades are available; 16" (406 mm) wide splitter blades are standard

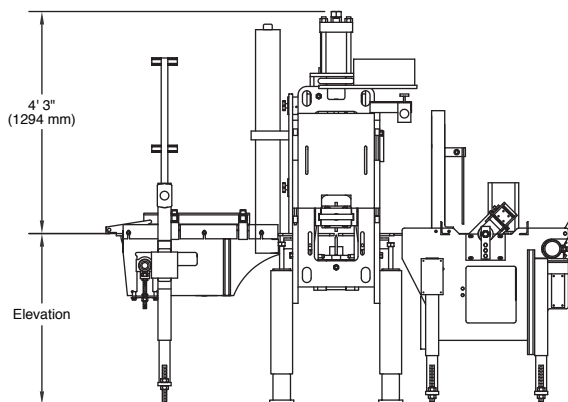
** 1-5/8" - 12" (41 mm - 305 mm) is standard



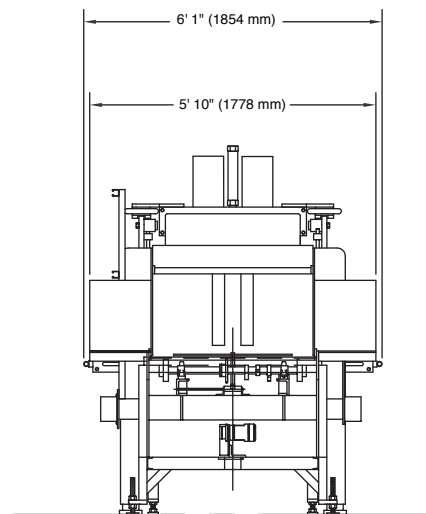
The SPT is perfect for splitting and turning standard, architectural and retaining wall products



Top View



Side View



Rear View



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