

TECTURN® II



Contact-Free Web Handling



The TECTURN® II web handling system provides fast, accurate web control without physical contact to the web. Proven technology, simple operation and advanced controls ensure productivity and performance. MEGTEC's air turner bars are designed for multi-web presses to carry the first printed web over the next group of printing units without any physical contact. Other applications include semi commercial and newspaper presses. They are ideal for stacked units where the web has to be turned into a vertical or horizontal dryer. They maintain image quality, minimize waste and increase productivity. The TECTURN II delivers superior web control with fast response and excellent reliability. Using a cushion of air, TECTURN II provides contact-free support while managing web turns up to 95°. Innovative control systems eliminate the marking problems associated with grater rollers and the web instability of conventional air turn equipment.

The bottom line is process knowledge

TECTURN® II

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Fast Response

TECTURN II increases press productivity by reducing waste caused by drift during start-up, blanket washing and splicing. The steering control system continuously monitors the position of both sides of the web. Lateral optical sensors instantly detect drift and automatically re-position the web. The center pivot steering system responds twice as fast as conventional side pivot designs to provide more accurate correction.

Automatic Clearance Control

Marking and smearing are prevented by TECTURN II's patented clearance control system which monitors tension and automatically ensures consistent flotation clearance. Sensors measure the cushion pressure to maintain uniform clearance across the entire width of the web. The automatic tension compensator simplifies start-ups, stops, splices and web-ups.

Simple Control

A central display provides simple control and displays operating status. The control panel combines a bright vacuum display with an easy-to-use keyboard. A sealed case protects internal electronics from the environment.

Reliable Performance

TECTURN II is engineered and built to provide dependable performance with low maintenance. With more than 700 installations worldwide, TECTURN technology has been proven in web offset printing, converting and coating applications.

Options at Additional Cost

- Blower mounting on top of dryer
- TECTURN I systems can be easily upgraded with TECTURN II-type center pivot steering

Standard Features

Clearance	Automatic control
Air turn bar angle	95°, 90°, and 15°
Blower	Pressure blower with silencer and filter
Damper	Motorized control
Balancing dampers	Individual for each air turn

Operating Specifications

Maximum web speed	3,540 fpm	18 m/s
Minimum web weight	30 lbs/ream	44 gsm
Maximum paper web width	66 inches	1,700 mm
Minimum web tension*	1.5 pli	26 daN/m
Maximum web tension*	4 pli	70 daN/m
Lateral correction range*	1.5 inches	38 mm
Maximum correction speed	0.2 inches	5 mm/s
Detection accuracy	0.06 inches	1.5 mm

*Specifications are related to web width.