

Air Turns



Stable, Contact-Free Web Turning System



Space restrictions, a frequent concern in weblines installations, can often be overcome by turning the web to allow for stacked equipment. However, conventional turner bars or sweat rolls require physical contact which can damage the web surface and cause web creasing. MEGTEC, a world-leading supplier of air flotation technology, offers a better solution-MEGTEC Air Turns.

Air Turns

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Damage-Free Web Turning

MEGTEC Air Turns use a cushion of air to float the web as it is turned. No surface-to-surface contact is required. Productivity improves because marking and other contact-related defects are eliminated. MEGTEC Air Turns are a safe, effective and reliable method for changing web direction.

Wide Turning Range

MEGTEC Air Turns manage turning angles up to 200°, allowing complete reversal of web direction if needed. Developed to meet the demanding production needs of the paper industry, MEGTEC Air Turns have proven extremely useful in a wide variety of other web processing industries.

Stable Transport

MEGTEC Air Turns can be designed to operate smoothly at web tensions as low as 0.25 PLI and as high as 5 PLI. The unit's lateral sectors permit selective air pressure adjustment across its entire width, allowing the air turn to compensate for cambered webs and uneven tensions. A sensor automatically adjusts supply air to maintain consistent web-to-surface clearance. The result: excellent transport with no drift or flutter.

Custom Design

MEGTEC designers and engineers take the time to study your situation so that we understand your process and objectives. We call it pre-engineering. Our people work with your people to develop an air turn system that meets your specific needs. Plus, we'll ensure that MEGTEC components and subsystems integrate smoothly with all elements of your Weblines.

Industry Experience

The people at MEGTEC are experts in process air management and flotation technology. We're also widely experienced in a range of web industries. Most likely, we already are familiar with your process. And we'll apply our past experience to your benefit. We can also be helpful with other aspects of your operation. MEGTEC builds a diverse line of Weblines and environmental technologies. We provide solutions that improve efficiency, productivity and product quality.

Performance Benefits

- Safely turns web direction
- Eliminates contact-related defects
- Wide range of web widths, speeds and tensions
- Custom design and engineering
- Contact-free web turning
- Turn angles up to 200°
- Adjustable pressures across the web
- Automatic clearance control

