

MEGTEC ETI INFEEED



Precise, Responsive, Reliable Web Tension Control for Shafted Operations



The MEGTEC ETI Infeed uses a compensating dancer to detect web tension changes. The dancer activates an instant response from the system's magnetic drive. Unlike other systems, the MEGTEC ETI Infeed controls tension by torque rather than by velocity. The result is active rather than reactive tension control. The MEGTEC ETI Shafted Infeed delivers smooth, fast, reliable web tension control over a wide range of operating conditions. Unlike other systems, the ETI provides active tension control through magnetic drive at the nip rolls. This allows the ETI to provide accurate control over a wide range of tensions. All models feature advanced electronic controls for instant response and extended service life.

The bottom line is process knowledge

MEGTEC ETI INFEED

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January 2008

Compensating Dancer

The ETI uses a pneumatically driven dancer to detect changes and upsets in web tension.

The low-inertia dancer compensates quickly for fluctuations with an exceptionally fast and smooth response. The system easily handles tension variations from significantly out-of-round rolls.

Torque Control

Rather than use drive speed to adjust web tension, the ETI relies on torque control. This provides an active rather than reactive response loop, ensuring faster, more uniform and more precise tension control.

Magnetic Clutch and Drive

To provide even power transmission and rapid response, the system uses a magnetic particle clutch and drive system at the nip rolls. This design allows precise electronic control of nip roll torque for more accurate tension control.

Web Alignment

Most popular web aligners can be integrated. Web aligners may be built-in or freestanding.

Standard Features Include:

- Adjustable output tension
- Drive nip rolls
- Solid-state controls
- Magnetic drives
- Pneumatic tension dancer for web tension control
- Low-inertia dancer system

Available Options:

- Remote tension adjustment
- Remote digital tension output display

Also Available from MEGTEC

For shaftless systems, MEGTEC offers the DSA Infeed. The DSA can provide extremely stable web tensions at speeds up to 3,000 fpm (15 m/s). Both integrated and independent models are available. Ask your MEGTEC representative for more information.

Operating Specifications

Maximum Speed	1,500 fpm (7.5 m/s)
Web Widths	27–50 inches (685–1,270 mm)
Web Tension Stability	±1.2 lbs (±0.54 daN)
Minimum Tension	11 lbs (5 daN)
Maximum Tension	250 lbs (110 daN)
Horsepower/Web	6–11