

CHILL STANDS



MEGTEC Chill Stands are manufactured to meet the particular needs of each installation. Proven design, sound engineering and quality components combine to deliver reliable performance and lasting value. MEGTEC uses proprietary computer design and modeling systems to determine the exact chilling requirements for both new and retrofit applications. Through detailed process engineering, we build MEGTEC Chill Stands that provide excellent performance and complete compatibility with our customers' dryers, water chillers and presses.

The bottom line is process knowledge



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Design Advantages

Double-shell roll design with spiral baffles provides maximum heat transfer. Pneumatic nip roll adjusts easily to maintain constant web tension. Centralized lubrication system simplifies bearing maintenance.

Precise Thermal Indication

Reduction in chill water flow is a major cause of problems.

MEGTEC Chill Stands make flow monitoring easy because flow meters are standard. Also, Chill Stands come equipped with temperature gauges for constant measurement of chill roll performance.

Chilled Water Pre-Piping

All MEGTEC Chill Stands are pre-piped for water to help reduce installation costs and time. Only inlet and outlet connections are required during field installation.

Rugged Drive System

The double-sided gear belt drive system, which needs no lubrication, features positive drive that requires less re-tensioning. Positive drive also reduces backlash and noise when compared to gear drives.

Choice of Drive Systems

MEGTEC offers two different variable-speed drive systems to ensure accurate cut-off control, web tension and ease of operation.

- Harmonic Drive System: Harmonic drive with mechanical correction delivers precise variable-speed draw control.
- Servo Drive System: Shaftless, resolver speed-referenced Servo Drive System with draw control accessible through the Servo Drive operator interface touch screen.

Comprehensive Range of Options

MEGTEC Chill Stands can be built to the specific needs of your operation. Options include:

- Web guides and silicone applicators
- Full page compensators
- Extra idler rolls
- Water by-pass solenoid valves
- Provisions for added passes
- Piggy-back web capabilities
- Choice of web hold-down systems
- Provisions for web threaders
- Disc brakes and air clutches
- Drop-down and step-up take-off drives
- Web break detectors
- Web tension transducers