

# Vertical drying systems



*Maximum performance at minimum space  
for newspaper and commercial printing*



**M**EGTEC now offers a flotation dryer specifically built for vertical placement. Working closely with vertical press manufacturers and drawing upon more than 35 years of experience in air flotation technologies, MEGTEC developed an economical, easy-to-install vertical dryer. The system's effectiveness has been demonstrated in more than 150 installations worldwide.

*The bottom line is process knowledge*

# Vertical drying systems

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## Hi-Float® Air Bars

Hi-Float air bars provide print quality and reliability unmatched by any other system in their class. Hi-Float air bars are proven to provide stable flotation and effective drying, all with low energy use and low maintenance.

## Trouble-Free Design

Infiltration seals on entrance slots prevent air infiltration and greatly reduce condensation inside the dryer. The chill stand includes a smoke deflector that captures fugitive solvent vapors. Internal screens prevent paper scraps from clogging air bars.

## Reliable Dryer Performance

MEGTEC uses tapered headers to provide uniform air velocity and pressure at each air bar. Dual headers are standard. Multiple feeds deliver consistent drying across the web to ensure the press operates at maximum capacity.

## Troubleshooting Panel

The Vertical Dryer features an electrical panel that quickly identifies and locates malfunctions during the start-up cycle and continuous operation.

## Heavy-Duty Construction

The MEGTEC Vertical Dryer's rugged internal frame ensures correct air bar alignment and provides dimensional and functional stability against heat stress for long, dependable equipment life.

## Pressroom Safety

Web-up doors are not used for explosion relief. Pneumatic cylinders maintain positive pressure on doors at all times. Explosion relief is on the dryer's sides, top and bottom, away from pressroom personnel. Each door also provides interior access.

## Chill Stands

MEGTEC customizes chill stands to meet all size and application requirements. Standard features include central lubrication, prepiping, temperature gauges, flow meters, variable-speed drive, nip trolleys, press drive shaft connection, and pneumatic clutch. Optional features include full-page compensators, web guides, silicone coaters, variable frequency drives, and idler rolls.

## Complete Installation Package

MEGTEC offers a complete installation package which includes:

- Dryer and chill stand
- One idler roll/grater roll mounting structure
- Up to five idler rolls for cold webs to bypass dryer
- Grater roll, mounting bracket and shaft
- Exhaust duct work and combustion blower piping to floor-mounted fans
- Motor and control pre-wire package for quick installation

## System Options

Several options are available to meet specific needs. These include web-up platforms with safety gates (standard on most installations) and superstructures for cold web bypass.

## Technical Specifications

Maximum Web Speed	10 m/s (2,000 fpm)
Maximum Web Width	1676 mm (66")
Air Bar	Hi-Float®
Air Balance Control	Automatic
Dryer Control	Relay Logic
Web Break Detection	Optional
Motors	ODP with ODP High Efficiency on supply fans
Explosion Relief/Access	Meets E.C. Guidelines