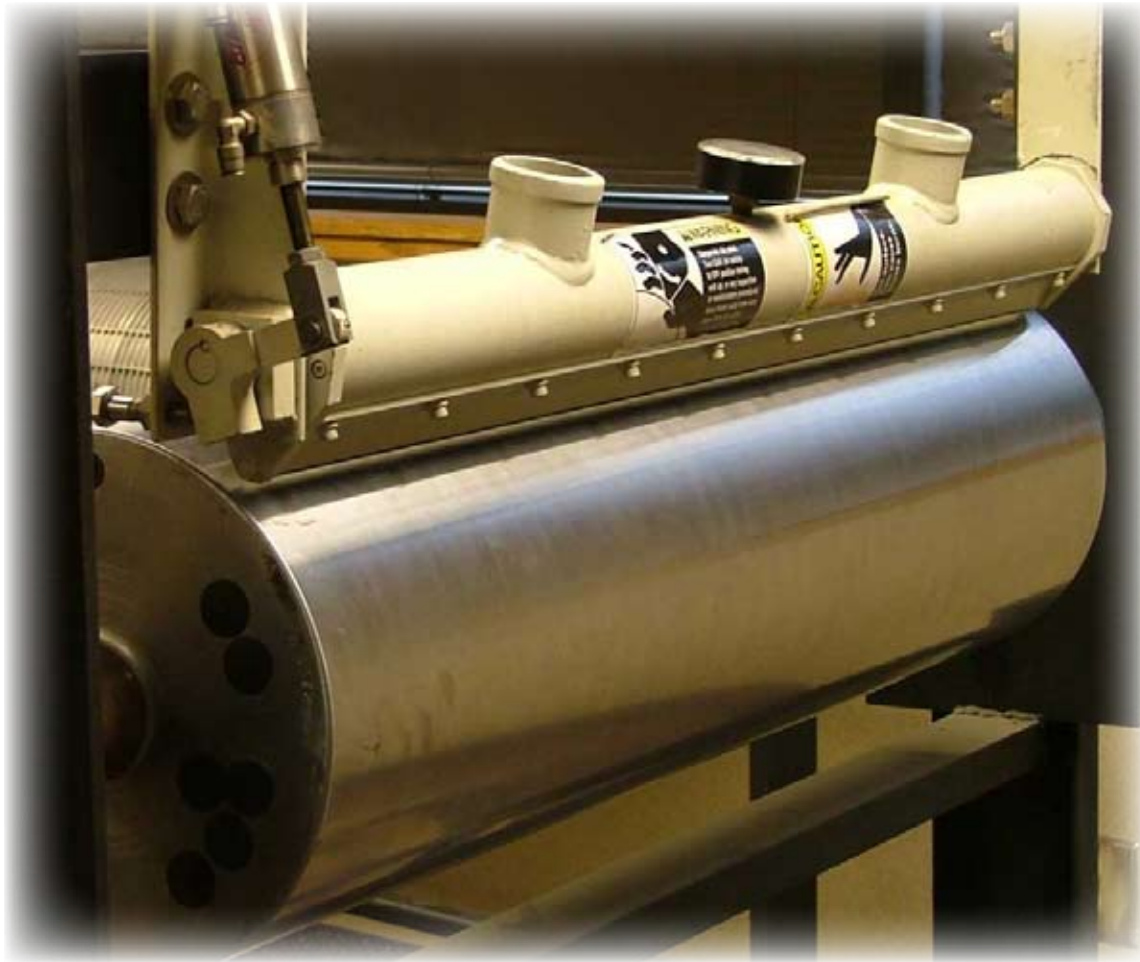


# CHILL JET®



*Eliminates Condensate Streaking*



**T**o allow printers to get the maximum performance from high speed presses, MEGTEC has developed the Chill Jet® system. This simple device uses a high pressure, low volume air stream to displace the build-up of a boundary air layer between the chill roll and the web.

*The bottom line is process knowledge*

# CHILL JET®

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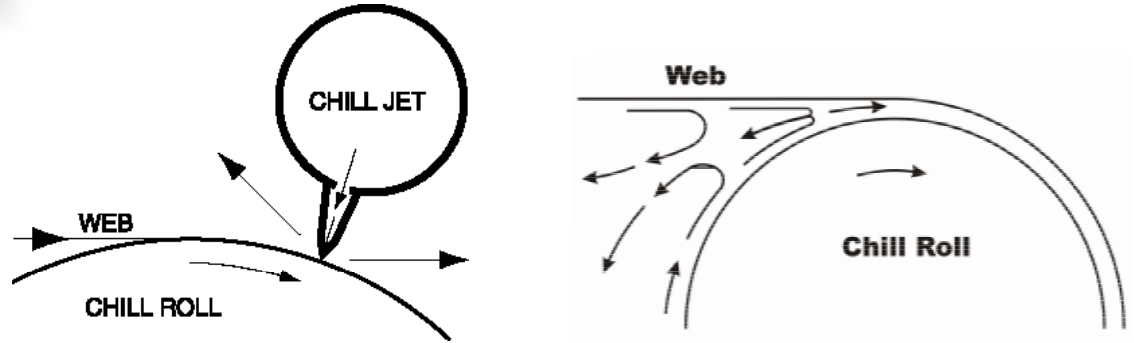
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Advances in web press technology enable operation at speeds up to 2,000 fpm or more. However, at such speeds variations in web tension and chill roll diameters often lead to web lift off and chill roll solvent condensation. Together, lift off and solvent condensation can cause ink streaking downstream of the chillstand.

### Built-in Reliability

- Heavy duty motors are standard in the Chill Jet Lamson Blowers, recognized throughout the printing industry for their reliability and easy maintenance
- Precise air pressure keeps the web in contact with the chill roll near the wrap point, thereby optimizing chill roll performance
- Steel piping adds durability to the complete system and further reduces maintenance and associated downtime
- Standardized design of fittings and mountings provides for easy installation in both new and retrofit situations

### Typical Installation

- Easily installed between dryer and first chill roll
- Tunnel prevents solvent vapor and smoke from dispersing into pressroom
- Solid state infrared temperature sensor contributes to automatic web temperature control for optimum print gloss and minimal thermal load on first chill roll

### Chill Jet Operation

- Proper air pressure results in a “sharp” airstream (see table below)
  - achieves good web holddown
  - allows intimate contact across the entire web width
- Strategically angled near point of tangency
  - Minimizes effects of boundary air
  - Allows easy maintenance
- Tighter contact with chill roll at precise wrap angle increases the chill roll cooling efficiency

### Operating Specifications

Maximum web speed	3,000 fpm
Maximum web width	66 inches (1,700 mm)
Application	All heatset press Chill Rolls
Web speed dictated pressure	6.25 - 6.5 psi up to 2000 fpm Up to 7.5 psi at 3000 fpm