

Tensor T-500 Press



PERFORMANCE DRIVEN DESIGN

- Speed of 60,000 IPH
- Three ink form rollers
- Massive construction – 38,000 lb (17,237 kilos) 4-high tower

Outstanding Print Quality

- Ultra robust, high strength cast iron frames for unparalleled stability and endurance
- Full bearer press design for enhanced dot reproduction and the ability to print fine screen work
- Three ink form rollers with three ink vibrators for high coverage inking capability
 - Large capacity ink fountains
 - Ink form rollers swing out for easy plate-up access on both sides of the press
- Four-race bearing technology offers full cylinder support at high press speeds when using conventional narrow gapped blanket technology
- Ability to run 3-across formats up to 40" web widths

Highly Automated Controls

- State-of-the-art drives and controls provide optimum efficiency with minimal waste
- Independent couple shaftless drives with integrated logistics for all auxiliary equipment

Innovative Design

- Operator and drive side oil lubrication of plate, blanket and vibrator cylinder bearings
- Exclusive plate cylinder design provides increased rigidity for outstanding print *and* registration control
- Quick "no tool" plate change design encourages versatility

THE TENSOR T-500 PRESS DELIVERS SUPERLATIVE PRESS PERFORMANCE

High Coverage Inking Capability—Fast Makeready—Quick Changeover

RESULTING IN HIGH NET PRODUCTIVITY



Tensor Group, Inc

T-500

STANDARD FEATURES AND SPECIFICATIONS

Plate & Blanket Cylinders

- **Stainless steel clad cylinders** provide unsurpassed durability and corrosion resistance
- **Stainless steel bearers on blanket and plate cylinders** for added stability
- **Motorized registration**
- Ultra-narrow gap (1/16", 1.52mm) plate cylinders with register pin
- Cylinder and vibrator bearings with oil lube on drive and operator sides
- Heavy-duty impression linkage
- Helical drive gears with slip rim hubs
- Worm gear blanket lock-up

Inking & Dampening System

- Spiral brush dampeners with direct gear drive
- Swing-down, high capacity cast iron ink fountains with **segmented ink fountain blades**
- Self-sealing ink fountain ends
- **Eleven roller ink train**, including three ink vibrators and three ink forms
- Independent ink and water fountain rollers with A.C. vector drives
- Nylon micrometric rollers and nylon vibrator rollers
- Six independent ink vibrator drives per unit

Operation & Drive System

- **Independent couple shaftless drive** with reverse inch
- Oil bath gear housing
- Motorized sidelay on both cylinders
- 10- and 13-side unit-to-unit register via shaftless drive system
- Independent couple inching (forward and reverse) for fast makeready
- Oil cooling system for sustained high speed application
- Centrally located grease lubrication
- Pneumatic throw-off for impression, ink form, dampener form and ink feed rollers with individual #10 and #13 controls
- Individual unit silencing
- Customized heavy-duty platforming per customer requirements
- Interlocked safety guards



Technical Specifications

RUNNING SIDELAY REGISTER:
(Controlled by couple shaftless drive system)

- $\pm .150"$
- $\pm 3.81\text{mm}$

RUNNING CIRCUMFERENTIAL REGISTER:

- $+ .125"$ Advance, $- .125"$ Retard
- $+3.18\text{mm}$ Advance, -3.18mm Retard

PRESS SPEED (MAXIMUM):

- 60,000 IPH

WEIGHT PER 4-HIGH:

- 38,000 lbs. (approx. ship weight)
- 17,237 kilos (approx. ship weight)

Available Options

- Spray dampening
- Chilled ink vibrators
- Plate cocking
- Automatic remote inking system
- Automatic register control systems

Cutoff and Web Widths

CUT-OFF:

- 21" through 22.75" (530mm through 578mm)

WEB WIDTHS (CUT-OFF DEPENDENT):

- 36" through 40" (914mm through 1016mm)

THE SOURCE FOR SINGLE-WIDTH



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