

Tensor T-400BE Press



T-400BE UNITS CAN BE ADAPTED TO RUN WITH ANY SINGLE WIDTH PRESS LINE AND ARE AVAILABLE AS FLOOR UNITS MOUNTED ON A ROLL-STAND, 2-HIGH, 3-HIGH OR 4-HIGH ARRANGEMENTS.

ENDURANCE DRIVEN, PROVEN CAPABILITY

High Production

- Speed of 40,000 IPH (optional upgrade to 45,000 IPH)
- Rapid makeready

High Print Quality

- Helical drive design on the gear train virtually eliminates dot distortion
- Tensor's unique "bearing-in-a-bearing" eccentric design provides optimum dynamic support of the blanket cylinders, reducing print disturbances
- Bearers on **both** the plate and blanket cylinders increase stability
- Reel rod type, narrow-gap blanket lock-ups reduce disturbance and maximize image area

Highly Automated Controls

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

High Design Standards

- Tapered journal design on plate cylinders provides improved stiffness for outstanding print *and* registration control
- Quick "no tool" plate change design encourages versatility of products



T-400BE

STANDARD FEATURES AND SPECIFICATIONS

Plate & Blanket Cylinders

- **Stainless steel clad cylinders** provide unsurpassed durability and corrosion resistance
- **Bearers on blanket and plate cylinders** for added stability
- **Motorized registration**
- **Ultra-narrow gap (1/16", 1.52mm) plate cylinders** with register pin
- **Reel-rod lock-up** on blanket cylinders
- **Timken tapered cylinder bearings**
- **Heavy-duty impression linkages** and tapered journals ensure stability
- **Helical drive gears** with slip rim hubs

Inking & Dampening System

- **Brush dampeners**
- **Swing-down cast iron ink fountains** for rapid, easy color clean-up
- **Self-sealing ink fountain ends**
- **Helical gear drive train**
- **8 roller ink train** with 2 ink forms
- **Motorized ink fountain rollers** with adjustable curve
- **Nylon micrometric rollers** and nylon vibrator rollers
- **Bearing-mounted ink vibrators** with positive seal feature

Operation & Drive System

- **Line driven shaft configuration**
- **Oil bath gear housing** with self-contained mechanical pump
- **Spiral bevel ring and pinion gear** for better mesh, longer life and a quieter, smoother running press
- **Motorized sidelay** on both cylinders
- **Motorized circumferential** on the #10 cylinder
- **Motorized unit-to-unit register**
- **Centralized grease lubrication system**
- **Form roller throw-off shafts** located outside of the rollers to eliminate ink build-up and maintenance issues
- **Pneumatic throw-off** for impression, ink form, dampener form and ink feed rollers with individual #10 and #13 controls
- **Lexan drive side doors** for easy visual inspection and maintenance
- **Removable panels** on operator's cover allow easy access to components
- **Interlocked safety guards**

Technical Specifications

RUNNING SIDELAY REGISTER:

- +.160" IN, -.160" OUT
- +4.06mm IN, -4.06mm OUT

RUNNING CIRCUMFERENTIAL REGISTER:

- +.060" Advance, -.060" Retard
- +1.5mm Advance, -1.5mm Retard

PRESS SPEED:

- 40,000 IPH
- 45,000 IPH available with oil cooling upgrade package

UNIT DIMENSIONS @ 36" WEB:

- 32"H x 75"W x 50"L
- 812mm H x 1905mm W x 1270mm L

UNIT WEIGHT:

- 6,200 lbs. (approx. ship weight)
- 2,812 kilos (approx. ship weight)

Available Options

- **Footprint shaftless configuration** with reverse inch
- **Spray dampening**
- **Segmented ink fountain blades**
- **Water and ink controls** at the console
 - > Non-linear tracking with press speed
- **Automatic remote inking system**
- **Automatic register control systems**
- **Heatset or UV packages**
- **Optional oil cooling** to increase speed to 45,000 IPH
- **Chilled ink vibrators**

Cutoff and Web Widths

CUTOFF:

- 19" through 27.6" (482mm through 700mm)

WEB WIDTHS:

- 29" through 40" (737mm through 1016mm)

THE SOURCE FOR SINGLE-WIDTH



Tensor Group, Inc

10351 Rising Court • Woodridge, IL USA 60517 • p. 630-739-9600
800-471-2800 (USA only) • f. 630-739-9339 • www.tensorgroup.com