

T-500 SERIES FOUR-HIGH ARRANGEMENT (standard)

The T-500 series 4-high arrangement is designed and constructed for a maximum of 60,000 cylinder revolutions per hour (50,000 with the H-50 or H-50 HD folder). The T-500 is driven by a couple-shaftless drive system utilizing servo motors. Each unit is furnished with the following:

- Ground helical class 13 gears on the main cylinders
 - Helical gear train on the oscillator drive
 - Oil-lubricated main cylinder bearings on drive *and* operator sides
 - Oil-lubricated oscillator bearings with positive seals on the drive side & grease lubricated roller bearings on the operator side
 - Hardened stainless steel bearers on both the plate and the blanket cylinders
- One (1) Set of covered inking and dampening rollers
- Two (2) Solid steel blanket cylinders (stainless steel clad) with (5) year warranty
- Four (4) Blanket cylinder eccentrics housed in a Timken bearing arrangement to eliminate side frame wear and cylinder bounce
- Two (2) Reel-rod type blanket lockup system with worm gear take-up and narrow gap for an even draw down across the entire width of the blanket
- Two (2) Solid steel plate cylinders (stainless steel clad) with (5) year warranty
- Two (2) Ultra narrow gap 1/16" (1.52mm) plate cylinders with register pin
- Two (2) Motorized #10 and #13 sidelay for plate cylinders, adjustment $\pm .150''$ ($\pm 3.81\text{mm}$)
- Two (2) Motorized running circumferential register mechanism for #10 & #13 side plate cylinder, adjustable to $\pm .125''$ ($\pm 3.18\text{mm}$), controlled by couple shaftless drive system
- Two (2) Eccentric frame sleeves: operator's side
- Two (2) Swing-down cast iron, super-high capacity ink fountains (5" ink balls) with lever style adjustments (remote inking system available), self-sealing ink fountain ends and stainless steel covers
- Two (2) Segmented ink fountain blades
- Two (2) AC vector motorized ink fountains and water pan rollers with non-linear tracking; controls at the press control console
- Two (2) Twelve roller continuous feed undershot inking systems including three (3) ink form rollers and three (3) ink vibrator rollers
- Six (6) Independently driven water vibrators and water-cooled ink vibrators with Pyramid covering
- Two (2) Micrometrics with Pyramid covering

- Two (2) Outer form rollers have large swing out positioning for easy access to plate change with independent control
- Two (2) Gear driven spiral brush dampener systems with independent variable speed dampener rollers (spray dampening available as optional)
- One (1) Oil cooling system for sustained high-speed press operation
- One (1) Set of safety guards
- One (1) Oil bath gear housing with self-contained mechanical pump
- One (1) Drive side window for easy inspection
- One (1) Operator's side cover designed for easy access to all mechanical adjustments
- One (1) Pneumatic control of ink, water and impression
- One (1) Centralized grease lubrication system
- One (1) Top iron (per 4-high)
- One (1) Self supporting "cantilever" style four sided platform with stationary ladder on second level

Optional Features for the T-500 (not standard):

- Plate cocking (plate cylinder skew register adjustment to $\pm .010''$ ($\pm .25\text{mm}$), manually adjustable at the unit, with form roller following)
- Oscillating form rollers
- AC vector brush control
- Spray dampening

Specifications subject to change without notice.