



## **H-50 FOLDER (standard)**

The H-50 folder is a heavy-duty jaw type folder, rated at:

- 50,000 pph when purchased with T-500 series units
- 40-46,000 pph when purchased with T-460 units
- 40-45,000 pph when purchased with T-400BE units
- 35,000 pph when purchased with T-1400 series units

The H-50 folder includes a high-speed 1/2-page folder, quarter page folder (when purchased), heavy-duty couplings, overload type clutching on the horizontal drive and in the quarter folder for jam protection.

The H-50 has capacity of 12 webs 32# newsprint half folded and 8 webs newsprint quarter folded. The folder accepts a web range of 24" to 40" in 0.5" (12.7mm) increments.

Former and half page folds are standard. The quarter page fold is optional.

### A. Former Arrangement

The belt driven roller-top-of-former is cutoff size in diameter.

Three remote pneumatically loaded trolleys are provided at the roller-top-of-former. Each trolley has an independent pressure adjustment. All trolleys are thrown OFF/ON independently by a pneumatic switch on the operating side.

A friction driven tabloid slitter blade is located in the center trolley. Easily removable when running broadsheet.

The former board is conical in shape, chrome plated, drilled for air, and centered on the centerline of the press. Laterally adjustable former rollers are provided.

Two sets of nipping rollers are standard.

The rear pulley is adjustable for paper range. A spring-loaded adjustment is provided to adjust the nipping pressure as required.

Belt driven nipping rollers eliminate change of gear backlash as more webs are run. All nipping pressures are adjustable from the nose side of the folder.

### B. Cutting Cylinders

The single circumference-cutting cylinder is mounted in precision roller bearings and contains the knife box arrangement.

The knife box assembly consists of one-piece segmented knife guided in silent one-piece cushion.

C. Jaw Cylinder

Mounted on precision roller bearings, the double circumference jaw cylinder delivers the 1/2 page product into the half fold fan or into the 1/4 fold attachment. The half fold product is delivered folded edge first.

A needle bearing style cam follower activates the two jaw assemblies.

Jaws are infinitely adjustable for light products as well as heavy products with no shims required.

D. Pin and Tuck Cylinder

The double circumference pin and tuck cylinder is mounted in precision roller bearings and contains two retractable pin arrangements of 10 pins each. A pin cam activates pins with a needle bearing type follower located at each mechanism. Distance from pinholes to trailing edge is adjustable.

The pin and tuck cylinder is equipped with two tucker blades.

Manual adjustment is possible from even fold to .400" (10.16mm) pin side long or .400" pin side short. The folder must be stopped before making the adjustment.

E. Delivery Belt

Standard copy spacing is 1-1/2" (38mm).

F. Operator's Controls

An electronic tachometer on the press console indicates press speed.

An electronic digital readout counter is mounted at the console of the folder. The counter has dual good copy and total copy counts each having its own keyed reset switch. The counter has communication capabilities to a house computer.

Electric controls on the press console are:

Red signal light, (press running), green signal light (press safe), run and inch speed controls, master dampener ON/OFF auto selector and speed control, and a four-button press control station (FASTER, SLOWER, INCH AND SAFE, STOP AND RUN).

Pneumatic control panel for ink feed, ink form, water and impression.

At the nose of the folder is a four-button station containing INCH, STOP, FASTER AND SLOWER buttons. A similar station is provided at the 1/4 folder.

A 1/4-fold jam switch and half fold jam switch stops the folder if an infeed problem occurs.

G. Frames

The frames are of heavy-duty construction with rigid cross members.

H. Folder Drive

An adjustable overload clutch located on the drive shaft of the folder disengages the entire folder to silence the folder or in the case of a folder jam.

Main folder drive gears are helical in design and oil lubricated.

The press is driven by multi-strand "V" belts enclosed in a guard.

*Specifications subject to change without notice.*