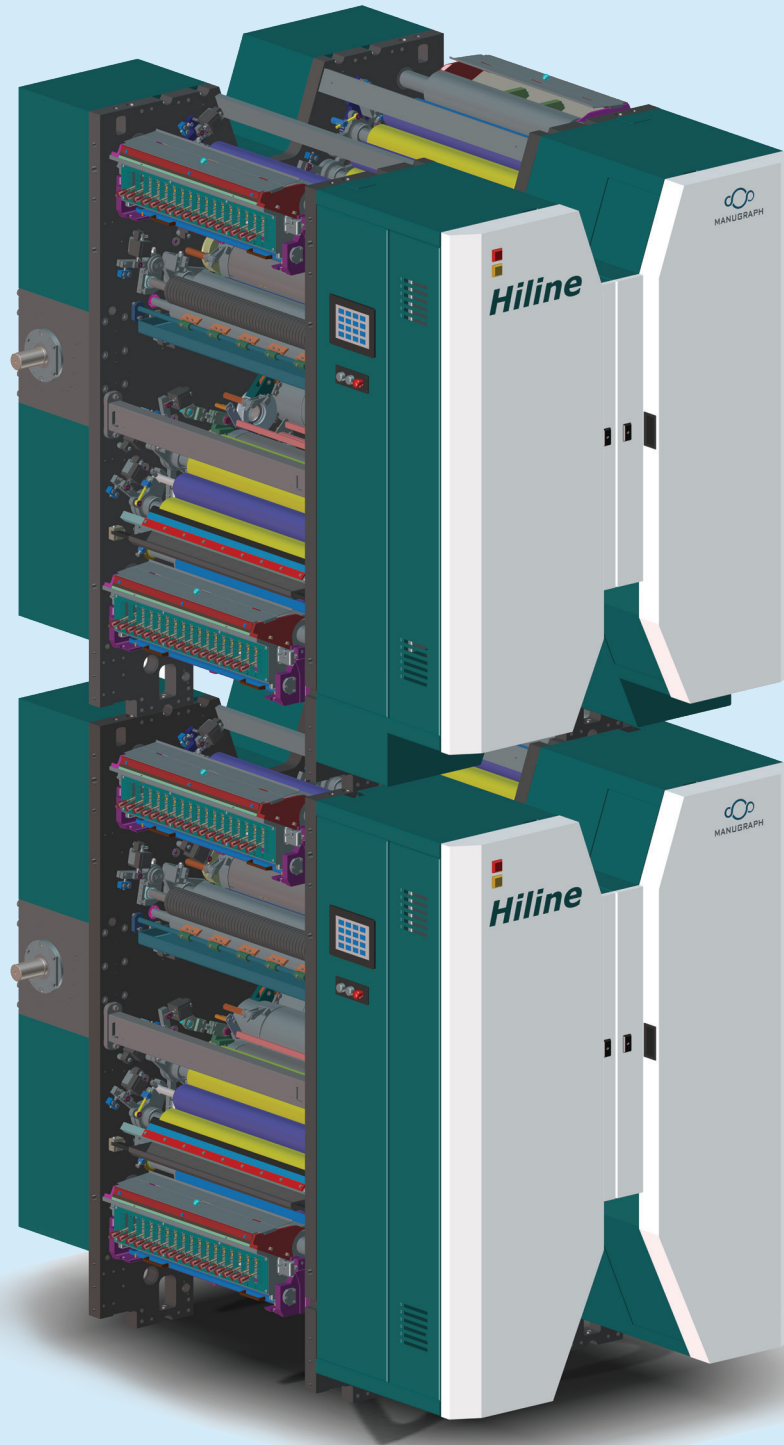


# ***HILINE***

## **4 Page Newspaper Offset Press**



## Hiline : An efficient press for meeting various Printing requirements

Hiline puts the major focus on multicolour printing with H unit and Tower unit models and right level of automation giving maximum output of 45,000 copies an hour. Hiline is compact, operator friendly and easy to maintain which are important factors for economic and efficient production. Hiline is a single width single circumference machine and facilitates a wide gamut of printing applications such as Newspaper, Supplements, Books and Magazines, etc.

### HILINE features at a glance

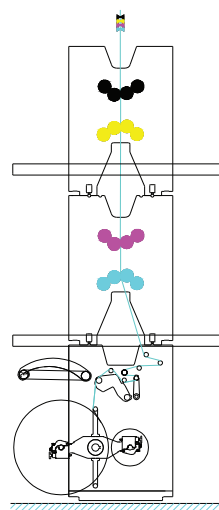
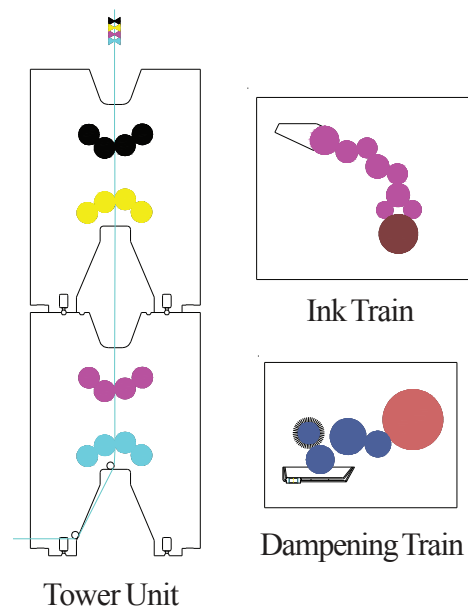
- Mechanical speed 45,000 revolutions per hour
- Flying splicer in Inline, 90°, Basement, Stacked or Integrated version as per customer's requirement.
- PIV driven tension roller with driven nip (for 6 Towers and above configuration)
- Plain type wall structure at operating side and gear side with extension of support in cylinder bushes area for dynamic stability.
- Pneumatics for impression, inking and dampening forme roller, ink take up roller throw on-off
- 8 roller inking system with 2 oscillating rollers & 2 forme rollers of different diameters
- 4 Roller contact less Brush dampening system
- Remote register and cut off control
- Auto tracking of inkduct and water pan roller
- Auto bearer lubrication
- Web severers and Inertia roller on Tower as a safety measure in case of web breaks
- Image Corrector (motorised) to minimise fanout
- Jaw Folder - F222 & F860
- PLC base Electrical System
- 2 Touch panels per Tower for Print function.
- Shafted AC drive system. Option of DC
- Shafted drive is available.

### Options Available

- ManuColor remote ink zone control and CIP3 interface
- Close loop Registration and Cut off control
- Spray Dampening system
- Shaftless AC Servo drive system (Footprint base or H unit base)

## Criteria for selection of your Hiline Print Unit Modules

Printing units are available in H and Tower configuration. Tower is made up of 2 H units stacked to get better print quality while printing 4x4. Wide variety of printing possibilities i.e. 4x1, 4x2, 4x4 or even 2 webs passing to the Tower to get the 2x2 outputs on 2 webs thus giving wide choice to the customer while selecting the printing unit option. For back to back 4 colour printing, Tower module is most ideal. Its short web path ensures perfect register at maximum speed. The space saving design of Hiline with its reduced Tower width / height and the high quality components that goes into its manufacturing are the hallmarks of the machine. Tower with Integrated Splicer is a solution to customers having space restriction & also reduces overall print wastage. Splicers can be configured in the Pressline either Inline, 90°, Basement or Integrated.



### Cylinders for best performance

- Solid steel, dynamically balanced hard chrome plated plate and blanket cylinders running on alloy steel bearers and supported on precision taper roller bearings
- Toolless plate lock up.
- Register wedges for true register
- Narrow gap Reel rod type Blanket Clamping system

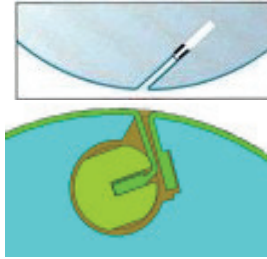


Plate and Blanket Cylinder

### Jaw Folder - F2:2:2 / F860

Hiline offers a choice of 2 rigid Folders to suit different pagination requirements. Different folding modules are available as an attachment like Quarter Fold, Parallel Fold, Balloon Former, etc.

#### Features

- Jaw folder F222 upto 6 webs  
Jaw folder F860 upto 12 webs
- PIV driven RTF roller
- Air cushioned former
- Lap adjustment facility
- Slitter mechanism for tabloid production
- Folding cylinder with diameter increment facility.
- Shear pin for overload protection in the folder driveline
- Electronic multi sheet detection facility
- Adjustable batch counter
- Web severer
- Motorised rotary cut off compensator on Folder.



F222



F860

#### Options Available

- Quarter Fold Chopper type
- Double Parallel Fold
- Cross perforation option for Quarter Fold
- Balloon former and Upper balloon former
- Gluing and Stitching attachment

### Flying Splicer - AP4550

- Standalone Autopaster suitable for handling 1270 mm (50") reel diameter and maximum 915 mm (36") web width
- Splicing diameter range 700 - 1270 mm
- Motorised belt acceleration
- Swing type knife and sponge roller assembly
- PLC based electro-pneumatic braking system
- Shaftless Infeed system with loadcell arrangement for precise web tension control at higher speed
- OE make dual braking system for consistent and precise braking
- Reel loading and unloading from same side
- Hydraulic web trolley moved on fixed cross rails for easy reel loading
- Pneumatic reel shaft
- Motorised lateral reel shifting (optional)



AP4550

### Central Console & Press Drive

- Centralised Control for Press Controls and auto sequential mode printing functions
- Touch panel for press controls and display
- ManuColor remote ink zone control (optional)
- Shafted AC drive system as per configuration
- Option of DC shafted drive
- Option of AC Servo shaftless drive footprint or H base
- Fault diagnostics and periodic maintenance guidelines

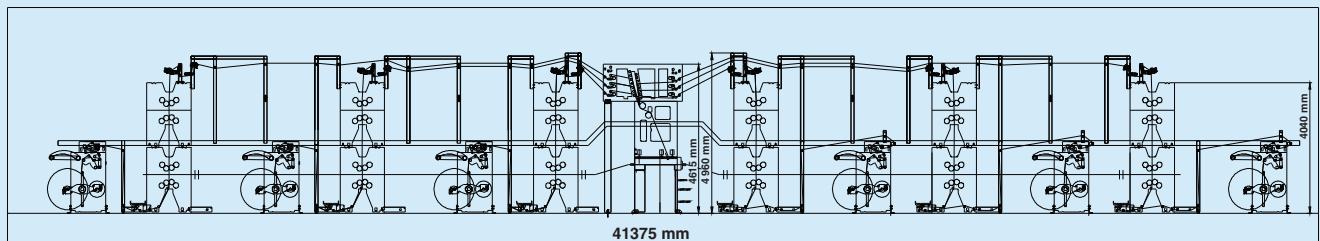


Central Console

## Specifications

Max. Printing Speed 2nd Fold	45,000 c.p.h.	
Max. Reel Diameter	1270 mm (50")	
Web Width	700 mm (27.5") 915 mm (36") option available	
Printing Unit Modules	H and 4 Hi Tower with vertical web leads	
Cut-off Length	533 (21"), 546 (21½"), 560 (22"), 578 (22¾"),	
Plate Mounting	Toolless plate lock	
Flying Splicer	Standalone, Integrated, 90°, Basement or Stacked placement	
Folder:	F222	F860
Max. No. of Webs	6 webs	12 webs (8 webs on main former + 4 webs on BF)
Quarter Fold	4 webs / 35,000	4 webs / 35,000
Double Parallel Fold	2 webs / 35,000	4 webs / 40,000
Balloon Former	2 webs	4 webs
Upper Balloon	2 webs	2 webs
Data Management	PLC based	
Accessories	<ul style="list-style-type: none"> <li>• Plate punching device</li> <li>• Set of tools</li> <li>• Web trolley for reel loading</li> <li>• Plate bending device</li> <li>• Set of spare parts</li> <li>• Centralised chilled water tank</li> </ul>	
Optionals	<ul style="list-style-type: none"> <li>• Manucolor Remote ink zone control system</li> <li>• CIP3 interface to Manucolor for ink presetting</li> <li>• Close loop registration and cut off control</li> <li>• Spray dampening system</li> <li>• Turner bar and Bay window</li> <li>• Footprint or Unitbase shaftless drive</li> <li>• Heatset package</li> <li>• OE system integration - UV curing, Stitcher, Gluing, VDP i.e. Bar coding and Digital numbering</li> </ul>	

## CONFIGURATION



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