

## 430 MAX

Max. Printing speed	Upto 45,000 iph
Max. reel diameter	1270mm (50 inches)
Max. web width	915mm (36 inches)
Cut off length	533, 546, 560, 578mm (21, 21 <sup>1</sup> / <sub>2</sub> , 22, 22 <sup>3</sup> / <sub>4</sub> inches)
Printing unit module	Arch type
Plate mounting	Tool-less slot gap lock - up - 1.59 mm ( <sup>1</sup> / <sub>16</sub> inches)
Blanket lock up	Narrow gap, Reel rod type
Non-printing gap	13 mm
Reel Splicer	2-arm Flying splicer of 42 or 50 inches Reel dia; Zero Speed Splicer Option
Register / Cut off controls, - Lateral adjustment - Circumferential adjmt. - Unit-to-Unit phasing	Motorized ± 3.17mm (± 0.125 inches) ± 1.57mm (± 0.062 inches) Motorized ± 3.17mm (± 0.125 inches)
Folder	222 Jaw Folder upto 6 webs / 1240 Jaw Folder upto 12 webs
Data Management	PLC-based electricals. Touch screen panels at unit level and central console level
Optionals	<ul style="list-style-type: none"> <li>• Spray Bar dampening</li> <li>• Zero speed splicer</li> <li>• Footprint shaftless</li> <li>• Multi web capability on each tower or 1/2 tower</li> <li>• Turner Bar</li> <li>• Bay Window</li> <li>• Balloon Former (Upper Former)</li> <li>• Third (Quarter) Fold</li> <li>• Parallel Fold</li> <li>• ManuColor Remote Ink Control</li> <li>• C I P 3 - ink presetting</li> <li>• Automatic cut-off control</li> <li>• Automatic color registration</li> <li>• Oil cooling</li> <li>• Shaftless infeed at the entry of the tower</li> <li>• Heatset or UV package</li> </ul>

# 430 MAX



## 430 MAX

430 MAX is a single width, single circumference press and is the latest addition to the Manugraph stable.

With a maximum speed of up to 45,000 iph and an excellent price performance ratio, 430 MAX meets the printing requirements of medium circulation newspapers and Commercial Printers alike. With its inbuilt flexibility, 430 MAX is capable of printing broadsheet, tabloid, quarter fold and double parallel products. 430 MAX is built with a high level of automation and offers a wide gamut of options.

- Speed up to 45,000 iph
- Max. web width 915 mm (36 inches)
- Cut off lengths 533, 546, 560, 578 mm (21, 21<sup>1</sup>/<sub>2</sub>, 22, 22<sup>3</sup>/<sub>4</sub> inches)
- 42 or 50 inches Flying Autopaster ; Zero-speed splicer Optional
- Box type side frames on gear side
- Stainless steel cylinders with TIMKEN taper roller bearings
- Bearer rings for Blanket cylinders
- Slot gap plate lock-up 1.59 mm (1/16 inches) with register pin center located; double register pin option for mounting 2 single plates
- Narrow-gap Reel Rod type blanket lock-up 8 mm gap (0.315 inches)
- Stubby plate cylinder journals
- Splined internal unit shafts with hardened ring and pinion gears
- Plate cylinder undercut 0.30mm (0.012 inches) - Std. & 0.20 mm (0.008 inches), 0.35mm (0.014 inches) - Optional.
- Blanket cylinder undercut 2.06 mm (0.081 inches)
- Swing down ink fountain with calibrated lever type ink keys
- 8-roller ink train with 2 forme rollers, and 2 Rilsan-coated oscillators
- Oscillators on needle roller bearings
- ManuColor Remote Ink Key Control with segmented ink blades - Optional
- Motorized ink fountain roller with speed tracking
- Spiral brush dampener (Spray bar - Optional)
- Motorized water pan roller with speed tracking
- Pneumatic controls for impression on/off, ink & damp form rollers
- Motorized on-the-run lateral plate register adjustment of ± 3.17mm (±0.125inches)
- Motorized on-the-run circumferential plate register adjustment of ± 1.57mm (± 0.062 inches)
- Motorized unit-to-unit phasing of ± 3.17mm (±0.125 inches)
- Fan-out correction devices-three sets per tower
- Motorized full page compensators (cut-off control)
- Infrared web break detectors
- Footprint shaftless - Optional
- PLC - based electricals
- Touch-screen panels at unit and central console levels
- Heatset / UV package option
- Multi webs through tower (option)
- Inertia roller at tower exit
- Shaftless Infeed at tower entry - Optional
- Auto oil lubrication on cylinder bearers with timer - Optional
- CIP<sub>3</sub> ink key pre-setting - Optional
- Oil cooling - Optional
- Safety guards and controls conforming to CE standards

With 430 MAX comes a choice of Jaw Folders. Broadsheet, tabloid & 1/4 fold are standard. F 222 is a 2:2:2 Jaw Folder that can take up to 6 webs to produce a 24 page broadsheet or a 48 page tabloid product. With the 1/4 fold attachment, 64 page signatures can be produced. There is a double parallel option also possible. For a 12 web capability, the heavy duty 1240 Jaw Folder is the ideal choice. Both are capable of producing multiple sections using balloon formers.

### F 222 Folder

- | 2:2:2 Jaw Folder
- | 45,000 copies per hour
- | 533, 546, 560, 578mm cut offs (21, 21<sup>1</sup>/<sub>2</sub>, 22, 22<sup>3</sup>/<sub>4</sub> inches)
- | 24 page broadsheet / 48 page tabloid
- | Web width (max) : 915 mm (36 inches)
- | Air cushioned 70° former
- | Variable speed RTF
- | Upper formers
- | Lap adjustment facility
- | Diameter increment on folding cylinder
- | Optional attachments :
  - Rotary 3<sup>rd</sup> fold
  - Double parallel fold
  - Longitudinal / cross perforation



### F 1240 Folder

- | 1:2:2 Jaw Folder
- | 50,000 copies per hour
- | 533, 546, 560, 578 mm cut-offs (21, 21<sup>1</sup>/<sub>2</sub>, 22, 22<sup>3</sup>/<sub>4</sub> inches)
- | 48 page broadsheet / 96 page tabloid; 12 web capability
- | Web width (max): 915 mm (36 inches)
- | Variable speed RTF option
- | 72° angle former
- | Side former & 2-or 3-high upper former options
- | 3 sets of nipping rollers; nip adjustments outside guards
- | On-the-run lap adjustment; on-the-run pin timing; adjustable bands
- | On-the-run 1/2 fold bucket phasing
- | Under-folder lead provisions
- | Quarter fold option; push button 1/2 fold to 1/4 fold changeover
- | Cross perforation option; stitcher option
- | Push button air clutch engagement
- | Shaftless drive option

