

M5 LINE



"DIGITAL" REVOLUTION, FOR UNLIMITED SUBSTRATE TYPES

"Digital" micro-runs, long runs, profit, quality, all-in-one press

The Digital Automation™ concept transforms flexo printing and die-cutting into a "digital" process. A "digital work flow", integrating printing and converting technologies, cuts job changeover to as little as a minute and generates only 10 meters of waste, yet delivers the highest quality and lowest operating costs. It is a true "digital" revolution for the labels and packaging industries.

- Short web path
- Over-dimensioned chilled drums for positive web transportation on the most critical substrates
- Full servo technology for web tension flexibility between the print units means this press can process a wide range of substrates. It also allows multiple web printing of sophisticated coupon labels and inline lamination of multiple substrates
- Digital Flexo™ and DigiGap™ for digitally automated print and die-cutting pressure control, providing the shortest "digital" set-up time, minimal waste and consistent quality during production
- Digital Flexo 4.0™ for closed loop pro-active print quality/ PDF control at all speeds
- ExcelCut™ and ExcelDie™ for the automated exchange of flexible dies and magnetic cylinders
- ExcelPrint™ for automated exchange of flexo print cylinders
- DigiMount™ for true Digital Work Flow from plate mounting to the press
- Digital Automation ready for REVO Standards
- Infinite Flower™: controls print density changes at speed variations, monitoring ink temperature
- User-friendly Ready™ drop-in technology for fast interchangeability of flexo, screen and hot foil
- 5.5 inch minimum print repeat reduces the cost of flexo plates
- Metronome™ high-speed semi-rotary die-cutting reduces the cost of flexible dies.

Benefits of DIGITAL AUTOMATION™
For every flexo + die-cut job change:

10 M OF WASTE
1 MIN OF TIME
HALF OPERATING COSTS

Substrates	Self-adhesive stock (paper, PET, BOPP, PVC), glossy paper 60 to 100 gsm, unsupported film from 12 µ (PVC, BOPP, PE, PET, PA), alu-foil from 20 µ, lamitubes, light cardboard 300 gsm
Drive	Full servo
Gear pitch	3175 mm - 1/8 in
Press speed, max	200 m/min - 660 ft/min
Print units, max	Unlimited
Flexo print cylinder - Repeat, min-max	6.5 - 24 in
Flexo sleeve print cylinder - Repeat, min-max	12 - 24 in
Web width (print width: less 10 mm)	370 mm - 14.5 in 430 mm - 17 in 530 mm - 21 in 630 mm - 25 in
Unwind diameter max	1000 mm - 39 in
Rewind diameter max	1000 mm - 39 in
Total web path through the press	22000 mm (8k 3 Dies)

Die-cutting

Die-cutting units	3 +
Repeat, min-max	10 - 24 in (370) 12 - 24 in (430) 14 - 24 in (530)
SnowBall™	Yes
Matrix roll diameter max	700 mm - 27.5 in
Easy Bambi™	Yes
Metronome™	Yes (only with 3 die-cutting stations)

Automation

360° pre-register	Standard
Automatic register	Standard
Digital Flexo™	Yes
Excellence™	Yes
DigiGap™	Yes

Dryers

UV on 27 in chilled drum	Standard
UV LED	Yes
Hot air dryers	Tailor-made, high efficiency
IR dryer	Yes
IR dryer on double chilled drum	Straight 6 IR lamps
IR dryer on double chilled drum	Round 12 - 16 IR lamps
Multiple drying options for UV, water- and solvent-based inks	UV, IR, US, impinged air, compressed air

Accessories

Rail	Yes
Delam Relam	Up to 5 colors on adhesive
Cold foil	Yes
Lamination	Yes
Coupon: Combo Kit™	1 layer
Coupon: QN35™	3 - 4 - 5 layers (only for 370 - 430 models)

Printing

Hot foil stamping - Repeat, min-max	12 - 24 in
Gravure - Repeat, min-max	12 - 24 in
Silk screen - available only for 370 - 430 models	
Stork Easy fit - Repeat, min-max	12 - 18 in
Stork New RSI - Repeat, min-max	12 - 24 in
Ink jet - Repeat, min-max	100 - 200 - 300 - 400 mm (width of print head)