

Morgana DigiFold Ultra

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Creasing and folding with full bleed trim capabilities. **Slit, cut, crease, perforate** and **fold** applications in one pass.

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The DigiFold Ultra is a creasing/folding machine with full bleed trim capabilities. It can slit, cut, crease, perforate and fold applications in one pass. It is robustly designed to complement mid to high volume digital and offset production presses.

The DigiFold Ultra builds on the capabilities of the DigiFold Pro XL by adding slitting and cutting functionality for full-bleed trim applications. It can produce everything that the DigiFold Pro XL can, but now with full bleed trim, in a single pass. High quality applications such as full-bleed 6 or 8-panel brochures become an easy task even for A4 (8.5"x11") landscape finished formats.

The Ultra's long sheet trimming capability is a strategic complement to the latest printing presses which now offer duplex printing on longer sheets. The Ultra allows customers to fully leverage the capabilities of their new presses, trimming applications up to 1300mm long and potentially reducing the need for further investment in a larger format guillotine.

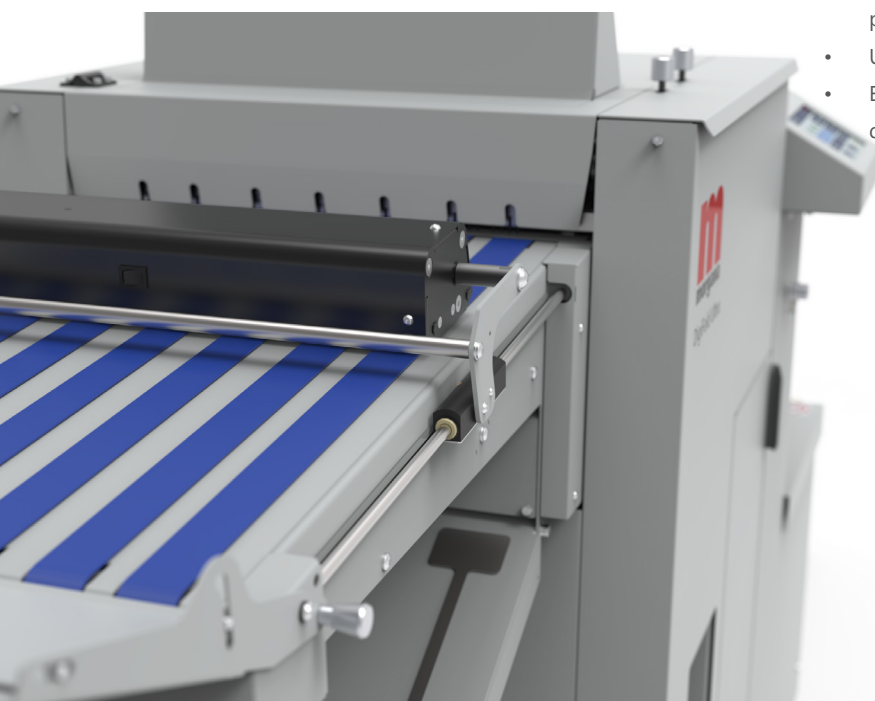


The DigiFold Ultra comes standard with dual folding knives, one DynaCreaser, two slitting knives and one cross-cut knife. The Ultra maintains the high productivity seen on the previous generation Pro XL platforms. There are also attachments such as the Trim Waste Conveyor Belt and BST-4000 Belt Stacker which make the Ultra suited for longer unattended production runs.

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Key Features

- Slit, cut, crease, perforate, and fold applications in one pass
- Automated full bleed trimming of applications on sheets up to 1300mm long
- Creases and folds up to 6 000 A4 / 8.5" x 11" per hour
- Highly automated and user-friendly UI
- Full cross perforation available, plus up to five inline perforation/scoring wheels.
- Up to 30 creases per sheet (static crease)
- Equipped with both a belt-stacker for folded sheets and a delivery tray for crease only jobs.



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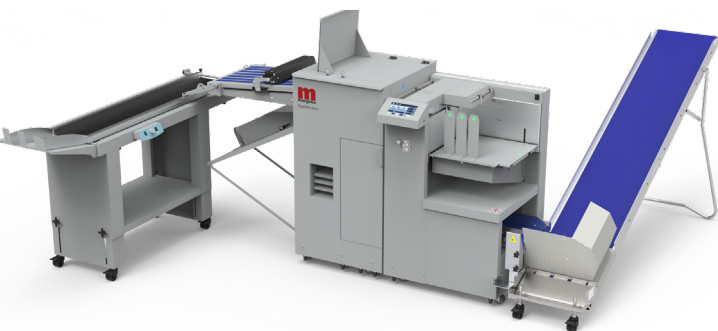
Automatic Slitters and Cross-Cut Knife

After a sheet is fed, two automatically positioned slitters trim off the top and bottom of the sheet and a cross-cut knife is available to cut the lead and trail edges of the sheet. The top and bottom slitters can trim from 5 to 40mm off the top and bottom edges of the sheet and the Cross-Cut Knife can trim from 5 to 20mm on lead and trail edges (unlimited trim on lead edge with multiple cuts).



The DigiFold Ultra can be connected to:

- BST-4000 Belt stacker for increased stacking capability on folded applications
- Trim Waste Conveyor Belt for high production environments



The DigiFold Ultra connected with the BST-4000 Beltstacker with trim waste conveyor.

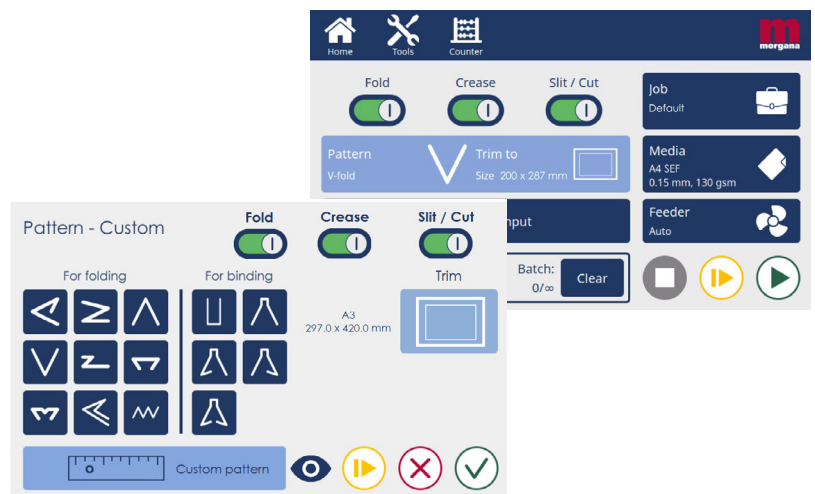


The Morgana DigiFold Ultra comes with a fully automatic belt stacker for folded sheets. It also has a catch tray for non-folded sheets capable of stacking up to 900mm / 35.4" long sheets in the standard configuration.

The two-in-one stacker combination lets you switch between folded and non-folded jobs from the user interface, no need to reconfigure the machine. Full Bleed Trimmed, non-folded jobs will come out on the lower stacker for non-folded sheets. Also, the Ultra can be paired with the BST4000-1 for more production heavy environments.

Intuitive user interface

An intuitive color touch screen with a run screen that gives you a complete overview of the job in progress. Key in media parameters and select from standard trim, crease and fold patterns or create custom jobs as desired. No need for external connections to computers, everything is handled on the UI. Job progress is displayed on the UI and minor adjustments to crease, trim and fold positions can be made "on the run."

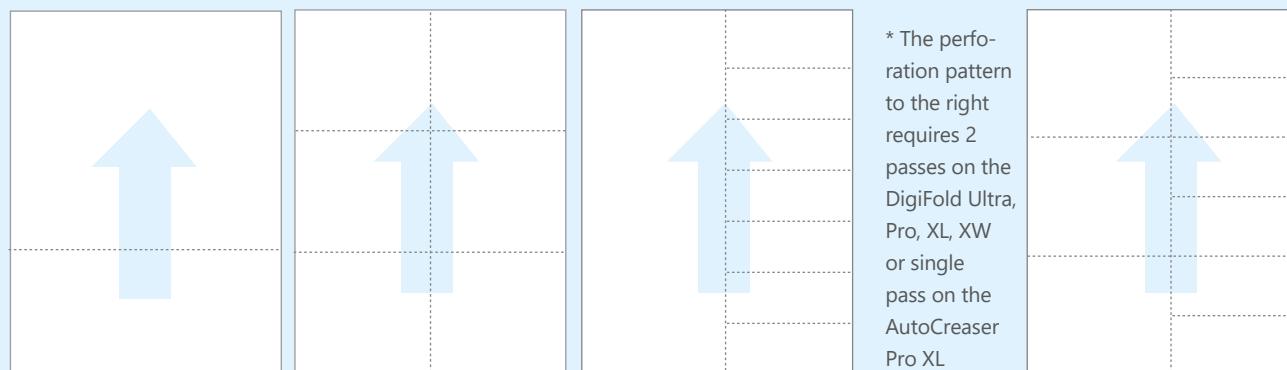


Open design feeder

The open feeder design is capable of efficiently feeding a wide range of media types and weights. It is equipped with automated vacuum feed technology specifically designed to handle the widest range of preprinted media. The feeder in standard configuration allows for long sheets up to 700mm/27.5" in length. This allows the Ultra to handle long sheet applications such as 3 panel A4 brochures.

The optional table extension kit allows for applications made from extra-long sheets all the way up to 1 300mm/51.2" in length. This will allow for processing of applications such as full-bleed trimmed extra-long banners and 8-panel A4 brochures.

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* The perforation pattern to the right requires 2 passes on the DigiFold Ultra, Pro, XL, XW or single pass on the AutoCreaser Pro XL

Examples of short edge fed perforating with optional perforation blade

Creasing on covers for perfect binding



One crease (for a thin book)



Two creases (spine only)



Four creases (spine and hinge)



Five creases for spine, hinge and flap



Four creases for flat spine, hinge and flap



Six creases for spine, hinge and double flap

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Folding Styles



Parallel Fold



Accordion Fold



Short Fold



Letter Fold



Double Parallel Fold



Open Gate Fold



Open Gate Fold with creased line

* Optional second/crease/perforation tool required for some applications

DigiFold Ultra

| | |
|------------------------------------|---|
| Maximum number of creases / sheets | 30 (with optional static creasing tool) |
| Maximum productivity | 6000 Sheets per hour, A4/half fold, one crease only 7,500 |
| Dual folding knives | Yes |
| Number of crease tools | Up to two. One DynaCrease and one static crease optional |
| Maximum load capacity | 200mm |
| Minimum distance between creases | 0.1mm with static crease (2.5mm with DynaCrease) |
| Media range | 0.1 - 0.4mm (approx 80 - 400gsm) |
| Sheet size: max | 385 x 700mm (385 x 1300mm with table extension) |
| Sheet size: min | 93 x 210mm |
| Inline perf | Standard |
| Inline scoring | Yes, up to 5 wheels optional |
| Inlinme slitting | Yes, up to 5 wheels optional |
| Cross perf | Optional (comes with static crease kit) |
| Feed technology | Vacuum belt top fed with Advanced Process Control (APC) |

*Disclaimer As part of our continued product improvement plan, specifications and information published here are subject to change without notice. All specifications are dependent on application, type of stock, temperature, RH and print engine used. Specifications quoted were measured on uncoated and unprinted stock. E & OE.

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