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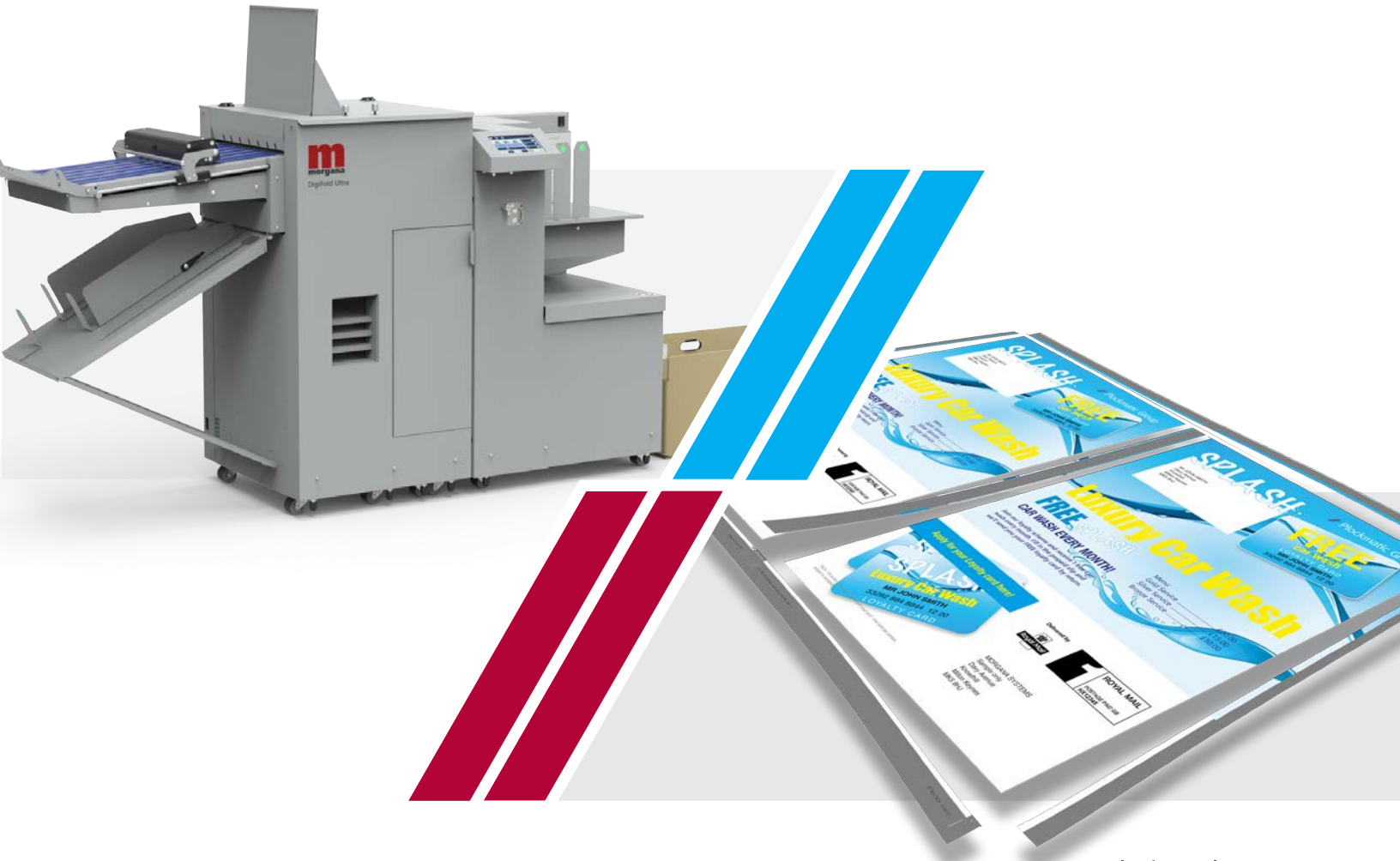

Morgana DigiFold Ultra

www.plockmaticgroup.com

Morgana DigiFold Ultra

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

Morgana DigiFold Ultra

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 (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 15.2'' 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 51'' long
- Creases and folds up to 6 000 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 3 to 50 mm from the top and bottom edges of the sheet (max trim capability of 50mm will be dependent on trim strip behavior / paper properties).

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

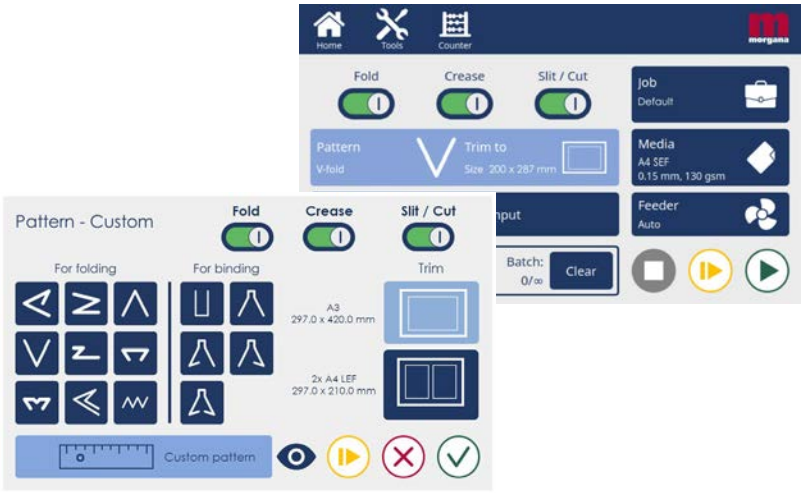
The DigiFold Ultra connected with the BST-4000 Beltstacker with trim waste conveyor.

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 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 27.5" in length. This allows the Ultra to handle long sheet applications such as 3 panel letter brochures.

The optional table extension kit allows for applications made from extra-long sheets all the way up to 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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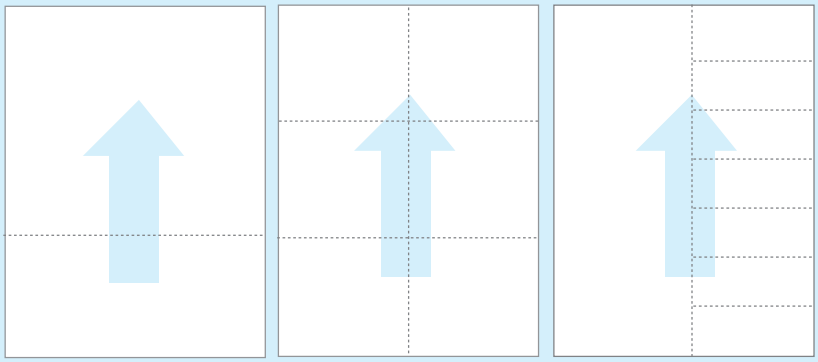
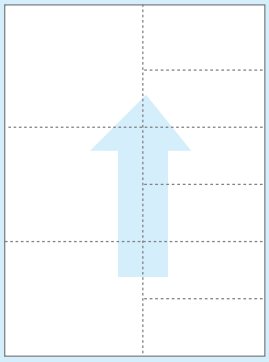


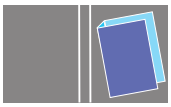
* The perfo-ration pattern to the right requires 2 passes on the DigiFold Ultra, Pro, XL, XW or single pass on the AutoCreaser Pro XL



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)

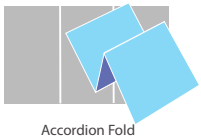
Five creases for spine, hinge and flap

Four creases for flat spine, hinge and flap

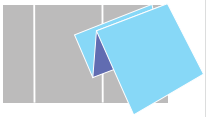
Six creases for spine, hinge and double flap

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

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DigiFold Ultra

Slit/cut capability	Full bleed capability with 2x automatically positioned slitters and 1x cross-cut blade
Maximum load capacity	7.8'', (3.9'' for sheet lengths above 27.5'')
Minimum distance between creases	0.0039'' with static crease (0.0984' with DynaCrease)
Maximum productivity	A4 Half Fold: 6000 sph, One Crease Only: 7500 sph, Full Bleed Trim Letter Half Fold: TBD
Media range	0.0039''- 0.0157'' (approx 80 - 400gsm), 450 gsm max for slit/cut
Sheet size: max	15'' x 27.5'' (15.15'' x 51.18'' with table extension)
Sheet size: min	3.6'' x 8.26''
Inline perf	Standard
Cross perf	Optional (comes with static crease kit)
Creasing tools	1x DynaCrease included in standard configuration. Optional static creaser available - can be set up for single pass up and down creasing
Maximum number of creases / sheets	30 (with optional static creasing tool)
Feed technology	Vacuum belt top fed with Advanced Process Control (APC)
Weight	450kg incl. packing
Power consumption	Maximum: 750 W Standby: 55W
Dimensions (L x W x H)	87 x 29 x 57''

CU_BRO_8.5x11_4pp_DigiFold Ultra V3