



Think

BIG!

DigiFold Ultra



A scenic view of the St. Stephen's Cathedral in Vienna at dusk. The cathedral's large dome and spire are illuminated against a twilight sky. In the foreground, a river flows past a stone bridge with streetlights. A boat is visible on the water. The overall atmosphere is calm and historic.

**Cut**  
**Crease**  
**Slit**  
**Perforate**

# 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 and is robustly designed to complement mid to high volume digital and offset production presses.

The DigiFold Ultra builds on top of the capabilities of the DigiFold Pro XL by adding in 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. Instead of purchasing a standard guillotine that can only process up to 560mm long sheets, the Ultra allows customers to fully leverage the capabilities of their new presses, trimming applications up to 1300mm long.



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.

## Key Features

- Full bleed trimming
- 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 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.

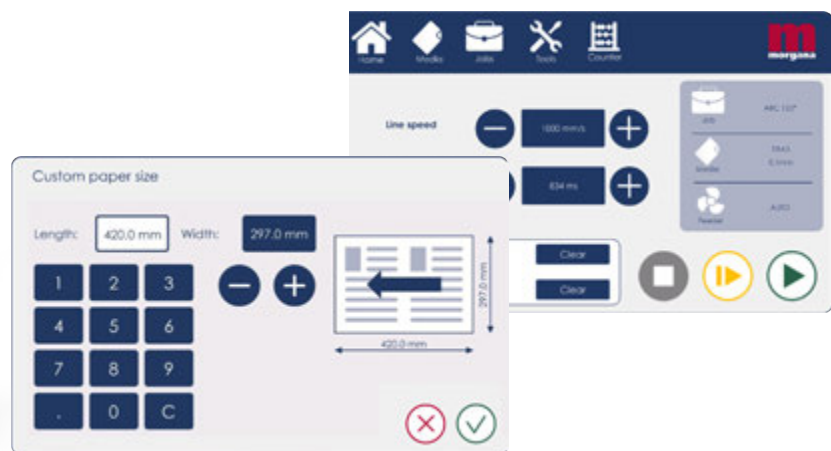


The Morgana DigiFold Ultra comes with a fully automatic belt stacker for folded sheets. It also has a catch tray for non-folded sheets capable of stacking up to 900mm / 35.4" long sheets in the standard configuration.

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

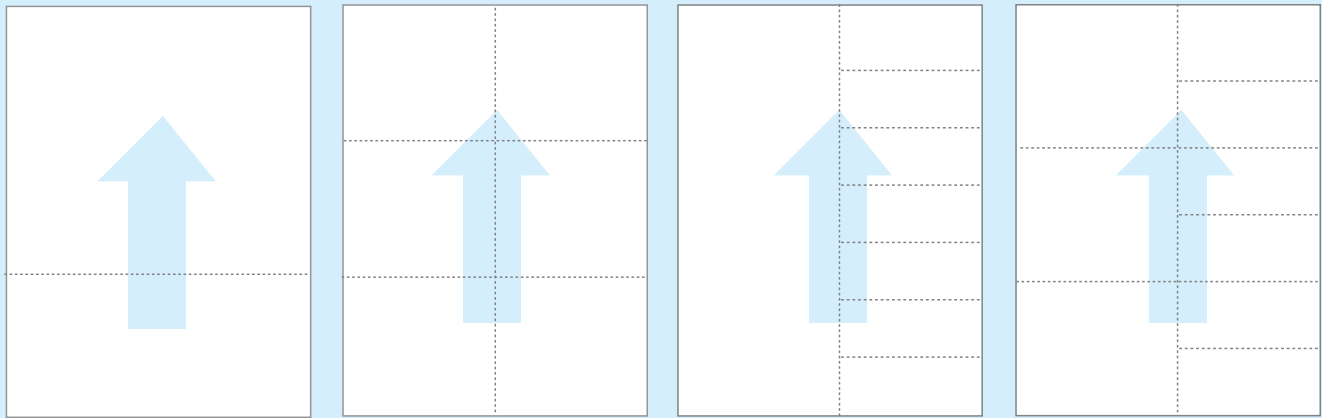
An intuitive colour touch screen with a run screen that gives you a complete overview of the job in progress. Basic adjustments can be made "on the run" and access to crease and fold patterns is simple. The user interface is available in multiple languages. With new 'Auto-settings', this truly unique function takes care of the roller gap settings, speed adjustment and fan settings, removing time-consuming adjustments of various settings.



## Open design feeder

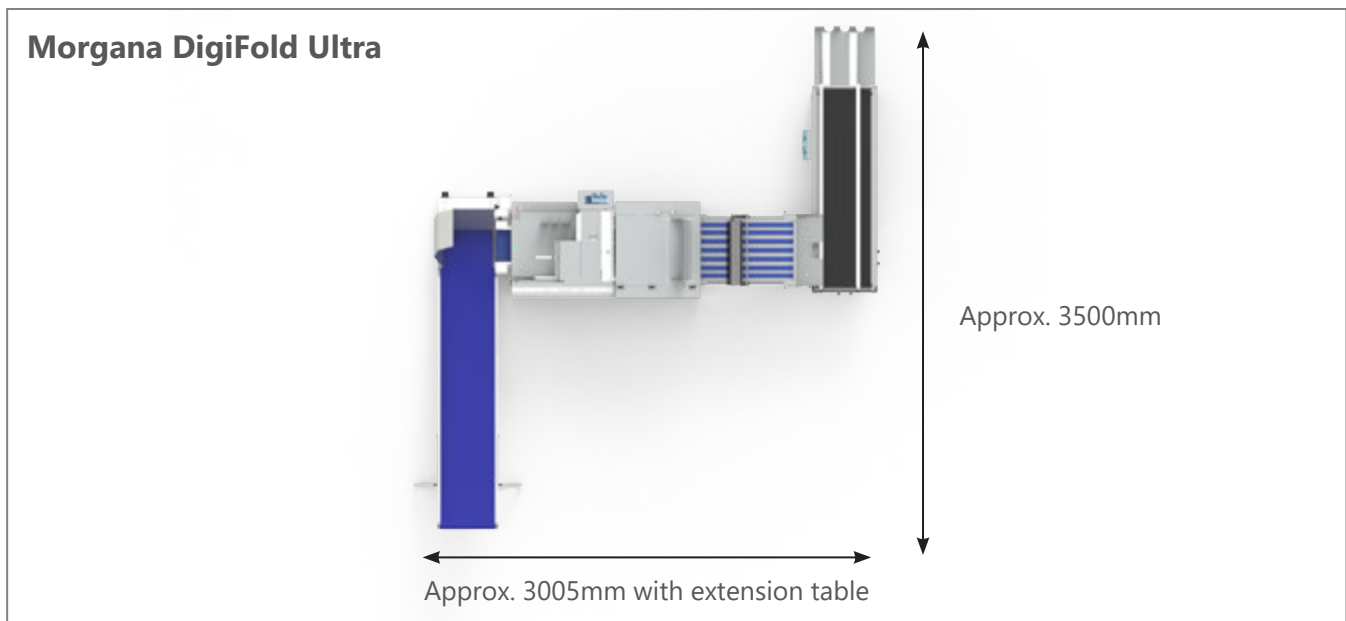
The open feeder design is capable of efficiently feeding a wide range of media types and weights. It is equipped with automated vacuum feed technology specifically designed to handle the widest range of preprinted media. The feeder in standard configuration allows for long sheets up to 700mm/27.5" in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



Examples of short edge fed perforating with optional perforation blade

\* The above perforation pattern requires 2 passes on the DigiFold Pro XL, XW or single pass on the AutoCreaser Pro XL



## 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. DynaCrease standard, Static crease optional
Dual folding knives	Yes
Number of crease tools	Up to two. One DynaCrease and one static crease optional
Maximum load capacity	200 mm
Minimum distance between creases	0.1 mm with static crease (2.5mm with DynaCrease)
Media range	0.1 - 0.4mm (approx 80 - 400gsm)
Sheet size: max	385 x 700 mm (385 x 1300 mm with table extension)
Sheet size: min	93 x 210 mm
Inline perf	Standard
Inline scoring	Yes, up to 5 wheels optional
Inline 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)



# DigiFold Ultra

## DigiFold Ultra

### 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



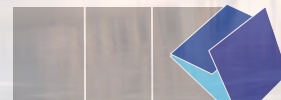
Parallel Fold



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