

Morgana Systems Ltd
3909 Upland Way, Marietta
GA 30066 Georgia
USA

Tel: 866 463 5060
Fax: 770 565 6163

www.morganausa.com
morganausa@comcast.net



DigiFold Pro

Quality high speed creasing/folding with the NEW SmartScreen touch screen technology.

The DigiFold Pro is an automatic creasing / folding machine designed specifically for the professional digital or litho printer who has a need to crease and fold digitally printed, heavy weight or cross grained stock.

Creasing versus Scoring.

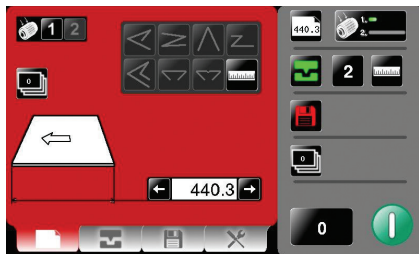
Traditional rotary scoring machines use circular blades that are in constant motion as the stock passes through them. This creates a ploughing action that actually cuts through the top fibres of the paper or card in order to create a score. Inevitably this weakens the paper and encourages cracking. In contrast, the Morgana DigiFold Pro employs a unique creasing rule and matrix, the DynaCrease, that eliminates tearing and-- therefore, cracking.

By using this patented technology, the DynaCrease, we have managed to increase the speed to over 6,000 8.5" x 11" sheets an hour. Speed increases when running smaller stocks and is achieved by creasing the sheet without stopping it, yet maintaining an accuracy of +/- 0.003".

Key Product Features

- SmartScreen touch screen operation
- 6000 sph
- 0.015" (approx 150lb cover)*
- Alpha-numeric memory
- PosiFeed feed system
- Highly versatile
- 35.4" x 15" with optional extension
- Crease & fold without cracking

Controlled by the same innovative 7" SmartScreen panel as the rest of the Pro range, the DigiFold Pro is instructed how long the sheet is and which crease/fold to produce. All settings and adjustments are made using the New SmartScreen and as only symbols are used, operation couldn't be simpler.



An alpha-numeric memory allows an unlimited number of jobs to be stored and named as you choose. This makes job recall much easier as you can use your own job names and numbers for storage.

This speed is maintained irrespective of the number creases being applied



to the sheet. 9 sheets each with 9 creases can now be produced in less than 9 seconds!

We challenge anyone else to do it more quickly with the accuracy and repeatable quality of the DigiFold Pro. The maximum sheet size is 27.5" x 15" (34.5"mm x 15" with optional extension table) allowing a wider range of jobs to be tackled. Perforation is also standard on the DigiFold Pro with up to 5 perforation wheels being used across the sheet.

The DigiFold Pro has the new Morgana PosiFeed feeding system. The drum stops as the vacuum pulls the sheet down before the drum starts to feed. This significant change will enable the feeder to be piled higher and feed the most difficult of stocks.

The DigiFold Pro uses our patented flying knife technology which was developed to prevent the scuffing and marking on digital stocks that are caused by folding using conventional methods. This dispenses entirely with buckle plates and conventional knives, using instead an electronically controlled contoured flying knife around extra large diameter rollers and moving at the same speed as the material passing through the machine. Rather than the solid deflector used in most folders, the DigiFold Pro uses another patented device in the form of a dynamic sheet deflector that only comes in contact with the leading edge of the sheet. This allows single or multiple folds to be performed without risk of scratching or marking.

The DigiFold Pro can be used as an integrated creaser/folder performing both functions in a single pass, as a stand alone creaser when folding is not required or as a perforator when creasing and folding are not required.

The beauty of the DigiFold Pro is its simplicity allowing the user to invest in a machine and to improve their productivity and quality immediately.

DigiFold Pro

Quality high speed creasing/folding with the NEW SmartScreen touch screen technology.



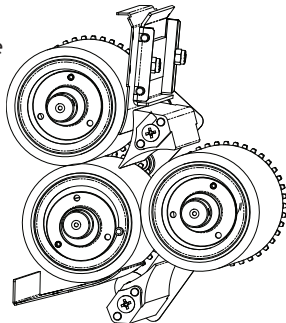
technical specifications

Maximum sheet size	27.5" x 15" (35.4"mm x 15" with optional extension table)
Minimum sheet size	8.2" x 5.5"
Maximum paper thickness	0.015" (approx 150lb cover)* including laminated material
Minimum paper thickness	0.004" (approx 20lb bond)*
Maximum number of folds per sheet	2
Maximum number programmed applications	Unlimited alpha numeric
Minimum repeat crease distance	1.57"
Minimum repeat fold distance	2.75" (depending on paper weight)
Minimum crease distance from lead edge	1.96"
Minimum fold distance from lead edge	1.96" (depending on paper weight)
Minimum crease distance from tail edge	1.96"
Minimum fold distance from tail edge	1.96" (depending on paper weight)
Minimum fold distance from tail edge	2.75"
Speed per hour (A4 in half)	6000 sph
Dimensions	L 79.5" x W 26.7" x H 49.8"
Weight	419lb
Power requirement	240v 50/60hz
Options	Narrow creasing blade, Large sheet extension table

Note: the production speed varies according to material size and the number of crease/folds on the sheet

Patented flying knife technology.

The DigiFold Pro and AutoFold Pro both use Morgana's patented "flying knife" technology. This allows delicate digital stocks, cross-grained materials and heavy weight stocks to be folded without any of the scratching and marking caused with conventional folders. Users will benefit from the simplicity of the system which will give unparalleled performance and longevity.



*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.