Morgana DigiFold Pro Creaser - Folder

Summary

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

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 fibers 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". 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" (35.4" 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.

PosiFeed Feeding System

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.

Flying Knife Technology

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.

This technology 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.

Specifications

Sheet Size (max.):	27.5" x 15"
	35.4" x 15" optional extension table
Sheet Size (min.):	8.2" x 5.5"
Stock Weights (max):	0.015" (approx. 150lb cover)* including laminated material
Stock Weights (min):	0.004" (approx.. 20lb bond)*
Production Speed:	6,000 sheets/hr. with 1-crease and 1-fold (A4)
Feeder:	Air-Feed / Bottom-feed with 2 3/8" lift capacity
	Top-Load / Load-While-Run
Knife Fold:	7-selectable fold patters and up to 2-folds per sheet
Min. repeat fold distance:	*2.75" (depending on paper weight)*
Min. fold distance from lead edge:	*1.96" (depending on paper weight)*
Min. fold distance from tail edge	*1.96" (depending on paper weight)*
Impact Creasing:	Single Down blade (Thick - standard included)
	Up to 10-creases per sheet
Min. repeat crease distance:	*1.57"*
Min. crease distance from lead edge:	*1.96"*
Min. crease distance from tail edge	*1.96"*
Standard Blade set:	*#176-213-02 (Included)*
Narrow Blade set:	*#176-213-01 (Optional)*
Rotary Perforation & Scoring:	Yes, Length of Sheet / 28T Blade & Anvil Set Included
Electrical:	1ph, 240V, 7A (15A service | NEMA 6-15R or 6-20R)
Machine Dimensions (LxWxH):	79.5 x 26.7 x 49.8" x 419 lbs.