Plockmatic Group

morgana

DigiFold Pro 385

High Speed Creaser Folder with fully automatic setup and deep pile feeder



Key product features:

- Crease and fold sheets up to 0.4mm without cracking
- Intuitive SmartScreen touch screen control
- Suction fed top feeder
- Deep pile 450mm capacity feeder
- SmartStep table drop
- 6000 sheets per hour
- Crease only mode
- Patented flying knife folding mechanism
- Max sheet size - 385mm x 700mm
- Creasing blade and matrix guaranteed for life
- In-line perforating as standard

The DigiFold Pro 385 is the latest, fourth generation of the DigiFold series, offering further levels of automation to meet today's demanding applications. It is specifically designed for digital and litho printers who have a need to crease and fold digitally printed, heavy weight or cross grained stock.

The DigiFold Pro 385 is equipped with the very latest in technology to enable automatic set up of jobs, including setting of all feeder functions and fold roller settings, by selecting just a few simple parameters on the Morgana SmartScreen touch screen control. The new deep pile feeder allows stacking of up to 450mm of paper to enable longer runs and is equipped with a SmartStep table drop for fast loading of shorter run jobs.

Paper feeding is controlled by a new vacuum top feeding drum that can automatically change between a wide range of paper types and thickness with little operator intervention.

The DigiFold Pro 385 is equipped with a Dynacrease blade and matrix, to allow the highest speed when creasing and folding, and with a fixed blade and matrix for crease only mode. This allows operators to select the widest range of applications to be produced from the SmartScreen with all other functions being set automatically.

The unique DynaCrease system places creases into the stock whilst running to an accuracy of +/- 0.1mm. This system allows us to produce at up to 6000 sheets per hour.

The DigiFold Pro 385 is controlled entirely by the latest version of the Morgana SmartScreen touchscreen control. Sheet size and thickness are entered, along with finish fold type – all other functions are then set automatically by the machine, including the air separation, side guide position, fold roller, and table height. For non-standard sheet sizes or fold types, an alpha-numeric memory allows an unlimited number of jobs to be stored and named as you choose, making job recall much easier using your own job name and numbers.

The DigiFold Pro 385 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.

The folding section uses a dynamic sheet deflector at the leading edge of the sheet to allow single or multiple folds to be performed without risk of scratching or marking.

The DigiFold Pro 385 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. Up to five perforation wheels can be fitted across the width of the sheet.

The DigiFold Pro 385 is simplicity itself...the quickest of set up times with virtually no wastage, allowing the user to improve their productivity and quality immediately.

DigiFold Pro 385

High Speed Creaser Folder with fully automatic setup and deep pile feeder



Technical specifications

Basic function	High speed creaser / folder / automoatic deep pile feeder
Maximum paper size	85W) x 700(L) mm
Minimum paper size	148.5(W) x 210(L) mm
Paper weight	0.11mm (approx 80gsm uncoated)* - 0.4mm (approx 400 gsm)*
Operation	7" touch screen
Job memories	Preset jobs / customized job (50 memories)
Feeder Pile height	450mm
Maximum number of folds per sheet	2
Minimum repeat crease distance	1mm
Creasing blades	2
Minimum repeat fold distance	70mm (depending on paper weight)
Minimum crease distance from lead edge	2.5mm
Minimum fold distance from lead edge	50mm (depending on paper weight)
Minimum crease distance from tail edge	2.5mm
Minimum fold distance from tail edge	50mm (depending on paper weight)
Minimum fold length	70mm
Speed per hour (A4 in half)	6000 sph

Dimensions	L2275 x W680 x H1270mm (approx)
Weight	260kgs (approx)
Power requirement	100-240v 50/60hz

***Depending on paper quality**

*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.

Options

- Narrow Creasing blade