

Head Office & Showroom:

Davy Avenue, Knowlhill
Milton Keynes MK5 8HJ
United Kingdom

Tel: +44 (0)1908 608888

Fax: +44 (0)1908 692399

www.morgana.co.uk

sales@morgana.co.uk



DocuMaster MFC

Highly versatile & multi-tasking with the intelligent GUI touch screen panel.

With today's increased demand for high quality finished documents, Morgana are pleased to introduce the DocuMaster MFC. This is the latest in the DocuMaster range, designed to eliminate tedious and time consuming operations by creasing the sheets as part of the feeding and booklet making operation.

With multiple feed stations, the design allows for feeding of specialised covers and booklet inside pages from separate feed bins while still allowing for creasing of cover, centre or all pages of the book. The DocuMaster MFC incorporates the new 'DYNATILT' creasing system which automatically registers each sheet and adjusts the mechanism to ensure an accurate crease position every time.

Creasing of covers, centre spreads or indeed all sheets in the book if needed, is simply programmed into the high definition touch screen control unit. Simplicity of operation is key to finishing digitally printed work. Today's "on demand" culture means run lengths are smaller and turnaround times are becoming shorter and shorter.

Key Product Features:

- High definition touch panel
- Up to 6 separate feed stations
- Intuitive and easy to use
- Highly versatile separate cover feed & inserting
- Takes stock up to 0.38mm*
- 'DYNATILT' Rule and matrix guaranteed for life
- Smart detection - fully automatic electronic paper detection
- Crease without cracking

Controlled by a high definition touch panel, the DocuMaster MFC is given full instructions as to the book size, amount of pages and crease position etc. All settings and adjustments are made using the high definition touch panel so 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 name and numbers for storage.

The DocuMaster MFC is ergonomically designed so that it can be loaded (on the run) and unloaded very easily from one position. The footprint is unusually small for a bookletmaking system and it will fit into even the smallest of printrooms. The DocuMaster MFC utilises the latest advances in paper feed modules. These modules can be specified as suction feed only or suction and friction feed to a maximum of 6 separate feed stations. The paper is fed from these units using a centre reference sheet guide system and smart detection for sheet integrity.



The heart of the DocuMaster MFC is the new 'DYNATILT' creasing rule and matrix system. Morgana uses stepping motor technology to accurately position the substrate before creasing; this gives total and consistent accuracy during operation and the DocuMaster MFC is no exception. Morgana take creasing one step further with the new 'DYNATILT' system which can with outstanding accuracy align each sheet to make sure it is square before creasing. Morgana are the only manufacturer offering this solution today.

With thousands of mechanisms installed throughout the world our creasing technology is unparalleled in both performance and longevity, which is why we offer a lifelong guarantee on the rule and matrix.

To ensure booklet integrity an automatically set electronic detector checks for mis-feed, double sheet and empty feed stations. The unit is fully automatic and self-calibrating.

Every sheet is checked regardless of stock thickness before being fed into an accumulating station. In the unlikely event of a double feed the machine immediately stops. Once the complete set has been gathered it is released into the stitch-fold-trim unit.

The Square Back system enhances the appearance of finished documents by creating a square effect finish adding value to the finished job. This will change the way you and your clients think about finished booklets because it transforms the book into one that lays flat and appears to be perfect bound but with the added value of strength because of the stitches. Quiet in operation the Square Back system can also be used off-line to enable work from other devices to be professionally finished.

DocuMaster MFC is the Multi-tasking champion. Use it as a booklet maker, a creaser or collator to produce 4pp brochures on heavy stock or to give the perfect bound appearance to pre-produced booklets. The DocuMaster MFC will happily do them all. Near-line or off-line finishing enables your print engine to operate at maximum speed. This is often not the case when on-line finishers are used. Due to the high productivity of the DocuMaster MFC, work from more than one print engine can be finished.

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technical specifications

Multi-feed creaser feed system

Configuration	From 4 to 6 bins (standard: 3 suction bins, 1 friction bin)
Minimum sheet size	210mm x 140mm
Maximum sheet size	450mm x 320mm
Maximum book thickness	23 sheets 0.11mm (80gsm approx)*

Friction feed bin

Speed	Up to 7200 sheets per hour
Capacity	40mm
Stock range	0.11mm - 0.35mm (80gsm - 300gsm approx)*

Suction feed bin

Speed	Up to 5000 sheets per hour
Capacity	45mm
Stock range	0.11mm - 0.24mm (80gsm - 240gsm approx)*

Crease module

Number of creases	1 (centre of book) 2 x optional hinge crease
Hinge Range	4mm - 12mm from book centre (cover sheet only)

Dimensions	L 1730mm x W 710mm x H 2115 (including squareback)
Weight	399kg
Power requirement	240v 60/60hz
Options	TBC

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

*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.

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