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# DocuFold

Setting the standards in paper folding technology.

For over two decades Morgana have designed and built market leading folding products including UFO and Morgana Major folding machines.

The latest generation folder from Morgana is the DocuFold. A radical, easy to use and innovative folding machine suited for today's rapidly changing market place.

## Key product features

- **Powerful suction feeder handles a wide range of paper weights & sizes**
- **Side lay alignment of the sheets, prior to folding**
- **Low pressure suction chamber to control curled paper before it enters the fold rollers**
- **Fully enclosed fold plates. Fitted with anti-static brushes, skew and Micro adjustments**
- **Plug in perforating and scoring attachment**
- **Variable speed**
- **Tray to catch work when perforating or scoring**
- **Long delivery belt stacker**
- **Counting & batching**
- **Double sheet, anti jam detector**

Key to the Morgana DocuFold's design criteria was a machine with a high degree of automation. Operation is therefore simplicity itself, because the DocuFold recognises the sheet size and automatically adjusts the fold plates and delivery rollers electronically.

The fold rollers will also compensate for most types of fold or paper weight without the need for adjustment, further enhancing the ease of use. Built-in anti-static brushes assist in the discharge of statically charged print material, one of the most troublesome problems faced by document finishers today.

To control curled paper, another potential difficulty, the pressure suction chamber which is built into the feed table, gently pulls down each sheet as it is being fed into the feed rollers. For fuss-free, no jam operation the Morgana DocuFold is unrivalled.

A simple by-pass facility enables heavier cover stocks to be folded and delivered without passing through all the fold rollers. This by-pass facility stacks the cover stock flat without curl into the catch tray or an optional belt stacker.

For perforating and scoring, patented plug-in technology enables the operator to quickly and easily set the perforation/scoring unit on the bench prior to use.



A user friendly control panel enables adjustments to 0.1mm if the fold plates or delivery roller needs to be moved. Within this control panel are a counter and batching facility which are standard features. A further feature of the sophisticated control system is the ability to memorise and store often repeated jobs which can then be retrieved within seconds.

The DocuFold has been designed to handle work both from Litho and digital print engines. A powerful compressor will feed a wide range of stocks including coated stock. The pulsed feed action combined with the register system ensures a high degree of folding accuracy and the 'overlap' detector ensures fold integrity.

Completed work is delivered back to the loading position via a long delivery belt stacker ensuring the DocuFold's footprint is as small as possible. Automation even extends to the delivery roller which moves electronically to the optimum position for the sheet size or fold. An operator can easily load or off-load the machine from the same standing position.

The fold rollers are extremely durable and have the ability to handle a wide variety of stock without adjustment. Not affected by paper dust, their unique composite material will positively grip high gloss papers or work from digital print engines. The patented, single pull-out cassette roller system allows rapid access for easy removal and replacement by non-skilled operators in less than 5 minutes keeping maintenance costs to a minimum.

As you would expect from such advanced electronic technology, a total counter with variable batching facility is standard equipment.

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## technical specifications

Maximum sheet size	450mm x 365mm
Minimum sheet size	148mm x 140mm (94mm with optional narrow sheet attachment)
Maximum paper weight	240gsm (varies according to material and grain direction)
Minimum paper weight	56gsm
Load capacity	500 sheets 80gsm
Maximum number programmed applications	6
Speed per hour (A4)	12,000 to 17,000
Dimensions	L 1210mm x W 520mm x H 1280mm
Weight	118kgs
Power requirement	240v 50/60hz
Options	Electric rear delivery, Cross-fold, Narrow sheet guide

Note: the production speed varies according to material size

**\*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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