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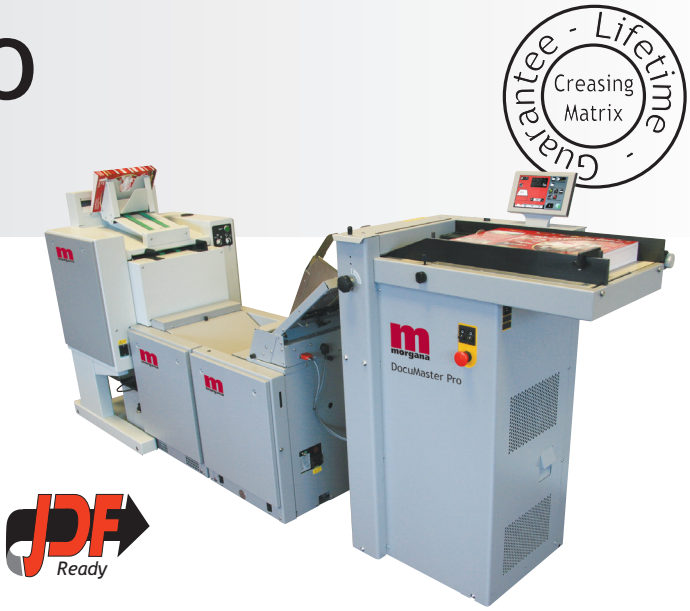
Digital Finishing for Digital Printers
morgana

DocuMaster Pro

Highly versatile & multi-tasking with the NEW SmartScreen touch screen technology.



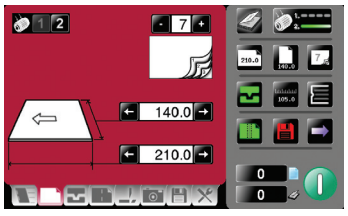
The DocuMaster Pro was designed to overcome the problems associated with finishing pre-collated sets. DocuMaster enables high quality booklets to be made without having to remove covers and centre spreads for pre-creasing, only to manually reinsert them back into sets. Creasing of covers, centre spreads or indeed all sheets in the book if needed are simply programmed into the SmartScreen control unit.

DocuMaster Pro is the latest version of this unique machine and it eliminates those tedious and time consuming operations because it creases the sheets as part of the feeding and bookletmaking operation. Simplicity of operation is key to finishing digitally printed work because run lengths are often short with variable data becoming increasingly popular.

Key Product Features

- **7" SmartScreen touch screen**
- **Takes multi weight pre-collated stocks**
- **Intuitive and easy to use**
- **JDF & variable data ready**
- **High versatile**
- **Takes stock up to 0.4mm (approx 400 gsm)***
- **Rule and matrix guaranteed for life**
- **1560 books per hour**
- **Unlimited alpha numeric memory**
- **Sonic double detector**
- **Perforating as standard**
- **Crease without cracking**

Controlled by the same innovative 7" SmartScreen panel as the rest of the Pro range, the DocuMaster Pro is given full instructions as to the book size, amount of pages, crease position etc. All settings and adjustments are made using the New SmartScreen and as only symbols are used, operation couldnt 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 Pro is JDF ready and can now handle variable data books and fully ready to be integrated into a complete work-flow and MIS package.

The optional variable data camera system used on the DocuMaster is simplicity itself. The camera is set to read a fixed point on the booklet's cover (or any other page) and that is all that is required to instruct the system to make the book, irrespective of the number of pages. This system is so simple that it does not need to read data from bar-codes or data matrix dots it just takes a snap-shot and when it sees that image again it will perform a set function.

The DocuMaster 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 heart of the success of the DocuMaster Pro is the creasing rule and matrix. Morgana use stepping motor technology to accurately position the substrate before creasing and we use the same technology with the creasing action. This gives total and consistent accuracy during operation. With thousands of mechanism's installed throughout the world our creasing technology is unparalleled in both performance and longevity which is why we offer a life long guarantee on the rule and matrix.

To ensure booklet integrity an automatically set sonic detector checks every sheet regardless of stock thickness before feeding them 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 it can also be used off-line to enable work from other devices to be professionally finished.

DocuMaster Pro is the Multi-tasking champion. Use it as a booklet maker, a creaser or a perforator, to produce 4pp brochures on heavy card stock or to give the perfect bound appearance to pre-produced booklets. The DocuMaster Pro 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 finisher's are used. Due to the high productivity of the DocuMaster, work from more than one print engine can be finished.

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Guarantee - Lifetime - Creasing Matrix

technical specifications

Crease & Fold	
Maximum speed A4 S.P.H. (crease only)	5000
Maximum sheet size	L 630mm x W 330mm
Minimum sheet size	210mm x 140mm
Maximum paper thickness	0.4mm (approx 400 gsm)* including laminated material
Minimum paper thickness	0.11mm (approx 80gsm)*
Maximum number of creases per sheet	16
Maximum number programmed applications	Unlimited alpha numeric
Maximum number of folds per sheet	1
Minimum incremental adjustment	0.1mm
Dimensions	L 2700mm x W 720mm x H 1185mm
Weight	399kgs
Power requirement	240v 50/60hz

Bookletmaker	
Maximum speed B.P.H.	1560
Maximum sheet size	L 460mm x W 320mm
Minimum sheet size	210mm x 140mm
Maximum cover thickness	0.38mm (approx 350gsm)*
Minimum inside sheet paper thickness	0.11mm (approx 80gsm)*
Maximum book thickness	22 sheets 80gsm
Maximum number programmed applications	Unlimited alpha numeric
Maximum number of folds per sheet	1
Maximum staple pitch	138mm
Minimum staple pitch	115mm
Maximum trim	25mm
Dimensions	L 2700mm x W 720mm x H 1185mm
Weight	399kgs
Power requirement	240v 50/60hz
Options	Narrow creasing rule, Variable data camera system, Squareback

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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