

Technical Information

| Specification | DocuMaster™ |
|--|--|
| MAXIMUM SHEET SIZE | |
| (Creasing element) | 24.8 x 13.0 inches |
| (Bookletmaker) | 19.0 x 12.6 inches |
| MINIMUM SHEET SIZE | |
| (Creasing element) | 5.5 x 6.3 inches |
| (Bookletmaker) | 5.8 x 8.3 inches |
| MAXIMUM RECOMMENDED BOOK THICKNESS | 22 sheets 22lb bond or 12 sheets 100lb book* |
| MAXIMUM RECOMMENDED WEIGHT (CREASING) | 150lb cover stock* |
| MAXIMUM NUMBER OF CREASES | 9 |
| INCREMENTAL ADJUSTMENTS TO: | 0.003 inches |
| SPEED (CREASING ELEMENT) | 5000+ sheets ph |
| SPEED (DOCUMASTER SYSTEM) | Up to 1440 books per hour |
| | (Dependent on number of sheets in the book) |
| DIMENSIONS (WITH SQUARE BACK SYSTEM) | |
| Length | 106 inches |
| Width | 28 inches |
| DIMENSIONS (WITHOUT SQUARE BACK SYSTEM) | |
| Length | 108 inches |
| Width | As above |
| PROGRAMMING | |
| Creasing element | Up to 9 jobs with up to 9 creases per job |
| Bookletmaking element | Up to 6 jobs |
| WEIGHTS: | |
| Documaster | 581 lbs |
| Square Back System (SBS) | 297 lbs |
| POWER REQUIREMENTS | |
| Bookletmaking element | 115V 60Hz |
| Creasing element | 1ph 220v 60hz |

* Paper weights vary according to hardness of material.

Morgana

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Number **1** in
Digital
Print
Finishing

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A GUARANTEED UPGRADE PATH

**TO THE FINEST
IN CREASING TECHNOLOGY
WITH GUARANTEED BUY-BACK!**

From the entry level Docu-Crease through to the DocuMaster total finishing system, Morgana offers efficient and cost effective solutions to all digital finishing requirements. And to ensure that customers have a clear UPGRADE PATH to meet future finishing needs, Morgana also operates a guaranteed buy-back plan on all creasing products.

Docu-Crease™
Quality hand creasing
in 14" & 20" sizes



Electro-Creaser™
Semi-automatic for
single or multiple
creases. Also 14"
& 20" sizes

DigiCreaser™
Brand new creaser filling
the gap between semi
and fully automatic
systems



AutoCreaser™
Now in AutoCreaser 33
and AutoCreaser 50
versions - the latter
taking larger sizes
and operating faster
than the original
best-seller

DigiFold™
Morgana's unique
combination of
patented creasing
& folding
techniques in
one unit



DocuMaster™
A fully
intelligent
feeder, creaser &
bookletmaker
taking work direct
from the digital
printer

**INTELLIGENT
FROM START..**



..TO FINISH

**MORGANA
DocuMaster™**

THE FIRST NAME IN DOCUMENT FINISHING SOLUTIONS



THE INTELLIGENT DOCUMENT FINISHING SOLUTION - DOCUMASTER™

THE DIFFERENCE IS CLEAR

An increasing number of Digital Print Engines have multiple paper feed trays and can therefore print a complete job in one operation. Very often the cover and/or bottom sheets need to be creased to eliminate cracking when stitching and folding. This necessitates the need to remove these sheets, crease them and then re-collate them.

DocuMaster eliminates these 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 and variable data is becoming increasingly popular. DocuMaster matches these criteria because set-up is simple and automatic. You simply dial in the number of sheets in the book and where the crease(s) have to be positioned. Set the start sheet size and finished trim sizes of the book and automation takes over.

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 the set is released into the stitch - fold - trim unit.

For applications where you need to produce 4pp brochures on heavy card stock you can easily switch the stitching heads off and feed the work through the crease fold and trim units.

Multi-tasking is a phrase which is used increasingly frequently. In particular with digital print markets where shorter run lengths, variable data and quick make-ready with minimum wastage are major considerations.

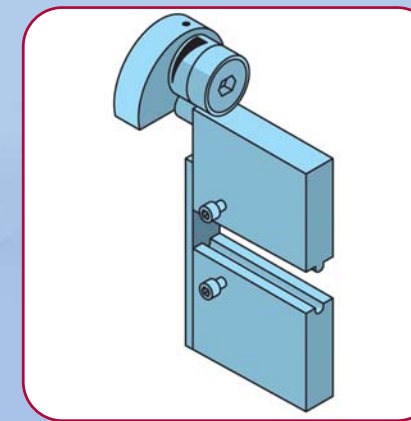
Off-line finishing enables your Print Engine to operate at maximum speed unlike machines which have on-line finishers. You can also take work from more than one print engine.

Programming

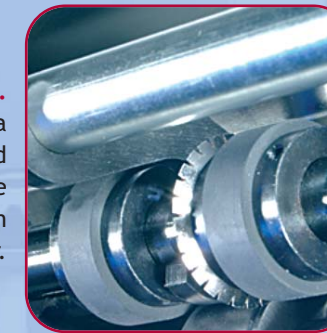
Regular repeating jobs can be stored and instantly retrieved. This function is particularly useful if you are part way through a job and need to break into it to produce something else.

From entry level manual creasers, through to semi and fully automatic models and then to multi-function machines such as the DocuMaster, Morgana offers efficient and cost effective solutions to all digital finishing needs. And to ensure that customers have a clear upgrade path to meet future requirements, we offer a GUARANTEED BUY-BACK plan on all our creasing products. Please see overleaf.

The heart of the success of the DocuMaster 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 mechanisms 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.



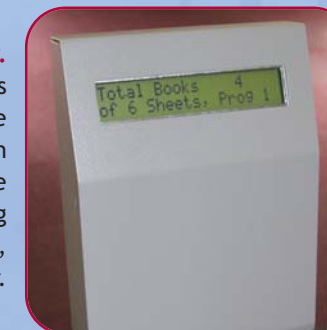
Perforating.
This is a standard feature available on the DocuMaster.



Crease only Mode.
When using DocuMaster in crease only mode the work is delivered into an easy to fit catch tray which can be off-loaded on the run.



Head-up Display.
For greater ease of use. This is particularly intuitive as it provides the operator with a series of prompts which are actioned by a single controller. These include positioning of the creases, setting the amount of sheets for booklets, storing jobs and counting facility.



Easy change cartridges
The heavy duty stitching heads will easily stitch thick booklets. For single sheet 4pp format you can very simply switch the stitching heads off.

Bookletmaking Control Panel
Very simple to use. Sheet size, trim size, staple/fold adjustment and job storage allowing common jobs to be recalled from memory.



Square Back System Features

Enhanced appearance of finished documents will be achieved with the optional Square Back System. This will change the way you and your clients think about finished booklets because it transforms the book into one that appears to be perfect bound but with the added value of strength because of the stitches.



The SBS can be easily adjusted to compensate for booklet thickness. Quiet in operation it can also be used off-line to enable work from other devices to be professionally finished. A further benefit is that work can be stacked flat. The Square Back System delivers finished books onto a vertical stacker. For jobs where the

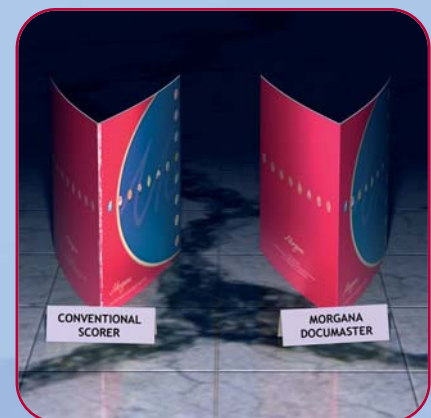
document doesn't need to be pressed you can divert work through the unit without it operating.



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 fibres of the paper or card in order to create a score. Inevitably this weakens the paper and encourages cracking.

In contrast, the Morgana DocuMaster employs a unique creasing rule and matrix - as illustrated - that eliminates tearing and, therefore, cracking.



1 in Digital Print Finishing

DocuMaster - The Ultimate in Intelligent Document Finishing Technology

Morgana