

# THE DIFFERENCE IS CLEAR



## 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 AutoCreaser employs a unique creasing rule and matrix - as illustrated - that eliminates tearing and, therefore, cracking.

## Technical Information

Specification	Morgana AutoCreaser
Feeding System	Bottom suction feed
MAX. SHEET SIZE	648mm x 330mm .....25.5" x 13"
MIN. SHEET SIZE	140mm x 160mm .....5.5" x 6.3"
MAX. PAPER WEIGHT	400+gsm .....120-lb Cover
MIN. PAPER WEIGHT	70gsm .....20lb Bond
MAX. NO. CREASES PER SHEET	9
MAX NO. PROGRAMMED APPLICATIONS	9
MIN. REPEAT CREASE DISTANCE	4mm (0.2") (depending on paper weight)
MIN. CREASE DISTANCE	
...from lead edge	25mm .....1"
...from tail edge	20mm .....0.8"
SPEED PER HOUR (A4 @ 8.5" x 11")	3,840 single creases
	2,760 double creases
SPEED PER HOUR (A3 @ 11" x 17")	2,670 single creases
(Note: The production speed varies according to material size and the number of creases on the sheet)	
DIMENSIONS	L: 1,168mm (46") H: 990mm (39") W: 457mm (18")
WEIGHT	109Kgs (240lb) (+18Kgs (+40lb) packing)
POWER REQUIREMENT	1phase 220/240v

# A CRACKING NEW SOLUTION TO THE OLD CRACKING PROBLEM



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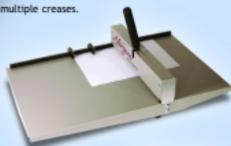
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THE FIRST NAME IN DOCUMENT FINISHING SOLUTIONS



# The Morgana AutoCreaser - A Revolution in Finishing Technology

Morgana makes a manual creaser called the Docu-Crease for lower volume users. This is available in 35cm (13.8") and 52cm (20.5") models, each with adjustable backstops to allow multiple creases.



The semi-automatic Electro-Creaser is the ideal unit for printers who need something faster than a manual creaser. Available in 36cm (14.5") and 52cm (20.5").

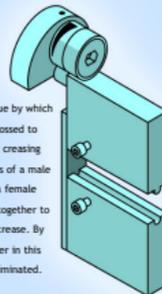
The AutoCreaser is shown here with the optional Morgana Jogger & anti static device.



Perforating is a feature available on the AutoCreaser.

**"With the Morgana AutoCreaser, set-up is 10 times faster than using a Platen"**

To eliminate cracking of the substrate the AutoCreaser employs a technique by which the fibres are embossed to weaken them. The creasing mechanism consists of a male creasing rule and a female matrix that come together to perform a superb crease. By embossing the paper in this way, cracking is eliminated.



Easy-to-use electronic controls allow the operator to dial in the required creasing positions.

The AutoCreaser, made in the UK by Morgana, provides the complete solution to the problem of cracking that occurs when folding digitally printed output. It is equally effective in dealing with conventionally printed card, laminates or cross-grained stock.

Before Morgana launched the AutoCreaser, printers and finishers faced with these problems had two choices. The first was to use a platen or cylinder press - effective, but very slow to set up and demanding high skill levels. The second involved the use of rotary scoring, which almost inevitably damages the material, resulting in white show-through on the spine of the folded document. The AutoCreaser works by using a creasing rule and matrix action that applies several tonnes of pressure to weaken the fibres of the paper. However, unlike a rotary scorer this does not tear the surface, so there is no white show-through - even when the fold is made in an area of solid colour. Creasing blades can easily be changed and the operating action can be reversed for inverse creasing.

The AutoCreaser is a fully automatic, suction fed device, which is 10 times faster to set up than a platen and is supremely easy to use. It takes a maximum sheet size of 648mm x 330mm (25.5"x13") and accepts stock of 400-gsm 120-lb Cover. It performs 3840 creases per hour on A4 (8.5"x11"). The AutoCreaser can also be programmed to make 9 creases in a single pass with a 4mm (0.2") minimum distance between creases. For repeat work it will memorise up to 9 pre-set applications. The AutoCreaser is fully mobile with a small footprint. A single operator can feed the machine and offload the catch tray or optional jogger.

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