

Morgana

FREE STANDING

ROTARY NUMBERERS

FROM MORGANA



THE FIRST NAME IN DOCUMENT FINISHING SOLUTIONS

FRN5 - 5,500 sheets/sets per hour

ROTARY NUMBERING SETS THE STANDARDS

All Morgana numbering machines use rotary numbering action. The operating principles are similar to those used on litho presses. 'Point contact' ensures superb quality on single sheets and unmatched definition when crashing through multi-part sets. Simple adjustment to the platen pressure compensates for varying stock thicknesses. Morgana numberers feature adjustable numbering position whilst the machines are in operation. Numbering, perforating, scoring or slitting can be accomplished in ONE pass through the machine and without the sheets stopping.

FRN5 PRO-FEED ROTARY NUMBERER

The FRN 5 rotary numbering machine is ideal for the small inplant, instant or commercial printer. With a production speed of 22,000 impressions per hour when using 4 heads, the FRN 5 shares many of the same features as the FSN. These include quality numbering and the ability to feed up to SRA3 sheets. The pro-feeder can be loaded 'on the run' and will feed sets with the open edge leading - a real advantage for users who need to perforate parallel with the glued edge.



The space-saving design of the FRN5 allows feed and delivery tables to be folded away when not in use.



FRN5 & FSN FEATURES

- Fast, simple make-ready
- Imprinting capability
- Micro-porous ink roll system
- Perforates and numbers anywhere on the sheet in one pass
- Adjustable platen pressure
- 2 perforators and a scorer as standard
- Electronic sheet spacing
- Continuous operation
- Fully mobile
- Feeds carbonless sets with open and closed edge leading

FSN - Up to 9,000 sheets/sets per hour

FSN SUCTION-FEED ROTARY NUMBERER

The FSN has a powerful suction feeder which will feed a wide range of paper weights. Positive control of the paper from feed to delivery ensures unmatched and consistent register of numbering action.

The suction feed system uses electronic pulsing, while feeding from the bottom of the stack allows loading on the run for non-stop production.

- Precision-feeding and sheet control
- Up to 8 parallel or convex heads
- Full safety enclosures and interlocks
- High power vacuum and air pump



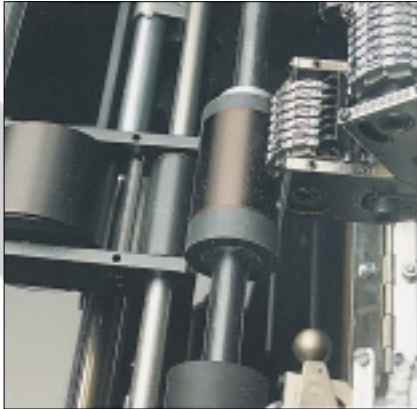
THE MORGANA JOGGER

The Morgana Jogger is designed to complement the Morgana FSN Numberer, but will also interface with other machines because of the angle of the jogger and the fact that it is fully adjustable in height. It takes a 450 x 450mm sheet size and has a robust motor which provides variable jogging power that will knock up the most demanding materials.



FRN5 & FSN FEATURES

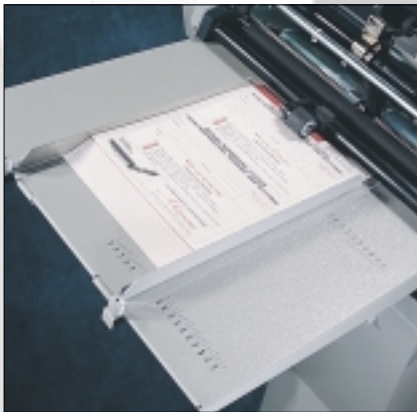
Our standard inking system uses a micro porous ink roller. This transfers ink onto a forme roll to give clean consistent inking of the numbering heads. Ink rollers are available in black and red.



The FRN5 control panel allows for fast simple operation. Make ready from job to job is accomplished in seconds.



Advanced pro-feed technology enables sheets or sets to be loaded on the run. Both the FRN 5 and the FSN will feed sets either closed or open edge leading.



Quick release fold-away feed and delivery tables allow for space-efficient storage when the machines aren't being used.



An optional re-inking system enables you to use Pantone inks. The system produces thousands of impression before it needs re-inking.



Controls are centrally located for ease of operation. Both the FRN 5 and FSN have platen pressure adjustment. The numbering position can also be adjusted whilst the machine is in operation.



A sophisticated sensing system controls the numbering action. Several numbering heads can be fitted and both convex and parallel heads can be run, simultaneously.



Slitting perforators give flat perforating on a wide range of stocks. Various perforating, slitting and scoring wheels are available.

TECHNICAL INFORMATION

SPECIFICATION		FRN 5	FSN
OVERALL LENGTH	Working	900mm	1340mm
	Stored	500mm	990mm
WIDTH		780mm	781mm
HEIGHT		1110mm	1050mm
WEIGHT		95kgs	162kgs
POWER REQUIREMENTS		220v-50Hz	230v-50Hz
MAXIMUM RUNNING SPEEDS		5100 SPH	9000 SPH
MAXIMUM NUMBER OF HEADS		4	8
MAXIMUM RECOMMENDED SHEET SIZE (Length & Width)		460mm	460mm
MINIMUM SHEET SIZE	Length	210mm	210mm
	Width	125mm	125mm
RECOMMENDED STOCK THICKNESS			
	Maximum	6 part carbonless	7 part carbonless
	Minimum	45gsm/²	45gsm/²
MAXIMUM SPACING OF HEADS ON SAME COLLAR WITH FIRST NUMBER PRINTED ON HEAD OF SHEET			
	Parallel	365mm	365mm
	Convex	354mm	354mm
MINIMUM SPACING OF HEADS ON SAME COLLAR (RADIAL SPACING)			
	Parallel	50.0mm	50.0mm
	Convex	73.5mm	73.5mm
MINIMUM SPACING OF ADJACENT HEADS			
	Parallel	62mm	62mm
	Convex	48mm	48mm

ROTARY NUMBERERS FROM MORGANA

THE FASTEST WAY TO MAKE A GREAT IMPRESSION

The Morgana FRN 5 and FSN rotary numbering machines offer state-of-the-art design, rugged construction and stand-alone operation - freeing you from time consuming numbering on-press.

The rotary action is far more productive than that of impact numberers because numbering, perforating, scoring or slitting can be accomplished in one pass and without the sheet stopping. You are assured of sequential numbering because the machines will not operate until the sheets or sets are correctly presented.

With their high productivity and unmatched numbering quality, it is no surprise that Morgana numberers can make a great impression on your profitability.



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