

# FRN

Rotary Numbering machines.  
The fastest way to make a great Impression.

All Morgana numbering machines use a 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.

#### Key product features

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

The Morgana FRN5 rotary numbering machine offers 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 numbering machines 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 numbering machines can make a great impression on your profitability.

The FRN5 rotary numbering machine is ideal for the small inplant, instant or commercial printer. With a production speed of 20,000 impressions per hour when using 4 heads. The FRN features 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.

Our standard inking system uses a micro porous ink roller. This transfers ink onto a forme roller 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.

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

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## technical specifications

Maximum sheet size	457mm x 457mm
Minimum sheet size	210mm x 125mm
Maximum paper weight	5 part carbonless
Minimum paper weight	56gsm
Speed per hour	5500
Maximum number of heads	4
Minimum spacing of heads on same collar	50mm Parallel head
Minimum spacing of heads on same collar	73.5mm Convex head
Minimum spacing of adjacent heads	62mm Parallel head
Minimum spacing of adjacent heads	48mm Convex head
Dimensions	L 900mm x W 780mm x H 1110mm
Weight	82kgs
Power requirement	240v 50/60hz
Options	Parallel & convex numbering boxes, Black & Red ink

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.

E & OE.