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# FSN

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

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.

#### Key product features

- Precision-feeding and sheet control
- Up to 8 parallel or convex heads
- Full safety enclosures and interlocks
- High power vacuum and air pump
- Fast, simple make-ready
- Imprinting capability
- Micro-porous ink roll system
- Perforates & numbers anywhere on the sheet in one pass
- Adjustable platen pressure
- 2 perforators & a scorer as standard
- Electronic sheet spacing
- Continuous operation
- Fully mobile
- Feeds carbonless sets with open & closed edge leading

The Morgana FSN 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 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 numbering machines can make a great impression on your profitability.

The FSN rotary numbering machine is ideal for the small inplant, instant or commercial printer. With a production speed of 72,000 impressions per hour when using 8 heads. The FSN features quality numbering and the ability to feed up to 17.9" x 17.9" sheets.

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.



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

The FSN 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.

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 27.5" x 20.4" sheet size and has a robust motor which provides variable jogging power that will knock up the most demanding materials.

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## technical specifications

Maximum sheet size	17.9" x 17.9"
Minimum sheet size	8.2" x 4.9"
Maximum paper weight	7 part carbonless
Minimum paper weight	16lb bond
Speed per hour	9000
Maximum number of heads	8
Minimum spacing of heads on same collar	1.96" Parallel head
Minimum spacing of heads on same collar	2.89" Convex head
Minimum spacing of adjacent heads	2.44" Parallel head
Minimum spacing of adjacent heads	1.88" Convex head
Dimensions	L 35.4" x W 30.7" x H 43.7
Weight	324 lb
Power requirement	240v 50/60hz
Options	Parallel & convex numbering boxes, Black & Red ink, Oscillating inking, Jogger

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.