NSF Excel Foil Press

OPTIMIZED FOR SHORT AND LONG RUN FINISHING

Features include:

- 18.5″ x 20.5″ max. sheet size
- 12.125″ x 17.625″ impression area
- Up to 5,500 iph
- Foil stamping
- Blind and foil embossing
- Die cutting
- HSFF (high speed foil fusing)
- Up to 8 programmable impression positions per sheet
- Optional inline waste stripping

NSF Excel Mk II video Introduction

THERM-O-TYPE
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NSF Excel Mark II

Introduced in 2014, the NSF Excel press offers a new sheet size and image/die cut area format that has been optimized to meet evolving customer requirements.

Typical NSF Excel applications include packaging, greeting cards, business cards, stationery, invitations and announcements, commercial letterpress work as well as die cutting and enhancing/finishing digital output.

NSF Excel Capabilities:

- Flat foil stamping
- Blind and foil embossing
- Die cutting
- Kiss cutting
- Perforating/Scoring
- Imprinting and numbering
- HSFF (high speed foil fusing)
- Up to 5,000 impressions per hour
- 18.5" by 20.5" maximum sheet size
- 12.125" by 17.625" impression area
- Windows touch screen computer control

Paper registration, foil draw length, counter functions, jam detect/interrupt, double feed detect, speed and impression pressure functions are controlled and/or displayed through the touch screen computer.

Sensors monitor paper movement through the press. If a jam condition occurs, the machine will automatically drop off impression and stop. Jam condition information will then appear on the control display.

The headstop paper sensor also confirms when each sheet is ready to advance into the impression area. If a skip feed condition occurs, the NSF Excel will automatically drop off impression. When the next sheet is detected at the headstop, the machine will automatically return to the "On" impression position. The NSF Excel will not stop if a skip sheet error occurs.

One feature that has proven popular with operators is the TDC and BDC (top dead center and bottom dead center) touch screen controls.

TDC represents the most closed position of the imprint mechanism. BDC represents the most open position of the imprint mechanism. Using the TDC and BDC controls, operators can quickly and accurately set the initial impression pressure at the start of each job. This helps to eliminate the potential for smashing dies due to improper impression adjustment during set-up.

Customers can batch count on the NSF Excel. To use this feature, the operator sets a batch quantity and a number of skip feed cycles in the touch screen control. Once programmed, the NSF Excel will run the desired batch quantity then skip feed the selected number of cycles to create a gap between batches on the delivery conveyor.

The standard NSF Excel foil system includes dual foil support shafts, dual programmable foil draws, and four foil rewind shafts. Multiple foil draw lengths can be programmed to minimize foil waste. Up to 7.2" diameter foil rolls can be used and foil draw length can be adjusted while the machine is running.

The NSF Excel features a computer controlled pneumatic centralized lubrication system. Lubrication cycles are activated as required using speed, impression pressure and run/idle time information collected and processed by the computer.

The NSF Excel incorporates several important mechanical and electrical safety features. A dedicated 24-volt safety circuit with emergency stops switches; fail-to-safe relay and reset button have been installed. All controls and switches mounted to the control panel operate at 24-volts or less.

The NSF Excel feeder can hold a 32" high pile of stock. This feeder can be pre-loaded while the press is running to minimized down time. The combination of high capacity feeder and pre-loading significantly increases productivity, while reducing operator workload.

The NSF Excel is the culmination of over 25 years of collaborative work between major producers of foil stamped, embossed and die cut products and THERM-O-TYPE Corporation.

Exceptional fast set up, high productivity, accuracy and high quality output make the NSF Excel one of the most profitable machine purchases you can make for your printing business.

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