NSF Elite Foil Press

DESIGNED FOR TODAY'S DIGITAL MARKET

Features include:

- 14.5" x 20" max. sheet size
- 10.625" x 13.375" 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 Elite Mk II video Introduction

THERM-O-TYPE
DIGITAL FINISHING SOLUTIONS

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NSF Elite Mark II

The NSF Elite foil stamping, embossing and die cutting press incorporates a unique combination of features that make it ideal for short, medium and long run production.

Using dies, the NSF Elite can flat foil stamp, blind and foil emboss, and die cut at speeds up to 5,500 iph.

Using the HSFF (high speed foil fusing) precess, without dies, the NSF Elite can run up to 4,000 iph.

The NSF Elite has the ability to imprint/die cut up to eight positions down the length of each sheet. This allows a single die and makeready to be used when processing multiple up sheets through the press. Using this feature, tooling cost and makeready/set up time is dramatically reduced. This is extremely important when running very small quantity jobs that have been printed multiple up with digital printers.

NSF Elite Features:

- Electronic paper registration adjustment
- Foil draw/multiple foil draw adjustments (2)
- Automatic paper jam detect/interrupt
- Automated job set up
- Windows touch screen computer control
- 14.5" x 20" maximum sheet size
- Double feed detect/interrupt
- Low air pressure detect/interrupt
- Automatic lubrication system
- Skip feed detect/impression throw off
- Variable speed control with iph display
- Impression pressure display
- Up to eight programmable impression positions

A 14.5" by 20" maximum sheet size runs portrait through the NSF Elite. This sheet size is ideal for offset and digital output. Image area on the NSF Elite is 10.625" by 13.375". The impression mechanism is extremely rugged and can generate up to twenty tons of impression pressure.

The NSF Elite features a Windows computer control system. This full color, touch screen control system provides a high degree of automation, easy to use operator interface and intuitive adjustments.

We feel, and our customers agree, that the computer control system, used on THERM-O-TYPE NSF presses, is the most efficient control systems available on any foil stamping or die cutting equipment.

The NSF Elite foil draw system includes two foil support shafts, two independently programmable foil draws and two waste foil rewinds. Up to 7.2" diameter foil rolls can be run with adjustable foil tension control.

The NSF Elite features a computer controlled, pneumatic centralized lubrication system. Lubrication is controlled using press speed, impression pressure and run/idle time information collected by the computer.

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

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

A headstop paper sensor is used to confirm that a sheet is ready to advance into the impression area. If a skip feed condition occurs, the NSF Elite 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 Elite will not stop if a skip sheet error occurs.

A traditional pile feeder with a 32" high pile capacity is used on the NSF Elite. This feeder can be pre-loaded while the press is running to minimize down time. The combination of high capacity feeder and pre-loading significantly increases productivity, while reducing operator workload.

The NSF Elite is a truly unique product. This press has been specifically designed to efficiently produce very small to long run orders. Large foil roll and feeder capacity, combined with automated set up procedures and "on the fly" impression pressure, paper registration and foil draw adjustment make the NSF Elite exceptionally productive and easy to operate. There is no other press available that can provide this level of production flexibility and efficiency.

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