



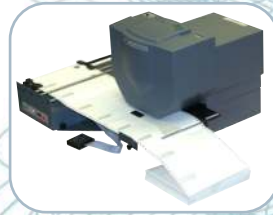
# SECURITY FOILING LIMITED



Auto-card feed



Hand feed



Pack to Pack



Auto-sheet feed

## Introducing the MicroPOISE™ Mk1b Sentry

### Micropoise™ Mk1b Sentry

A flexible desktop Security hologram foiling machine for centralised and point of issue document protection applications applying all hot stamping and embossing features.

The machine boasts a powerful 1000kg impression system which is able to cope with variable thickness documents from paper to passport cover without adjustment.

Packaged with security in mind, the Sentry coded access control systems has two levels of user control protecting the machine against misuse while controlling high security applications.

Further security against unauthorised use is the automatic shut down which is activated after 10 minutes of the machine sitting idle.

All customised processing materials such as dies and foils are maintained within the secure casing of the machine and can only be accessed by using the Sentry coded machine control system.



### Applications

MicroPoise™ is used to easily and quickly protect documents of value by applying hot stamped security **OVD** features such as registered **Holograms** and micro-embossing such as **DATAFOIL®** a micro-embossed clear foil protection that is applied over variable **DATA** leaving the information visible while protecting against alteration without leaving evidence of tampering.

**SECURIGRAFIX®** a micro-embossed metallic foil feature protects against photocopy or reproduce and is used to identify and authenticate documents.



## Document Feeding Systems

The MicroPOISE™ is designed with a number of feeding options which allow a wide range of documents and to be processed both by hand and automatically. The standard hand fed MicroPoise™ has a document table with adjustable guides for easy document positioning in hand fed applications up to 750 items per hour. Templates can be used to assist with stamping of smaller items such as ID cards. Three fully automatic feeding devices are available for production of Plastic cards, A4 paper sheets and continuous sprocket fed pack to pack stationery in volume.

## Document Handling

Maximum Speed Up to 3500 impressions per hour depending upon MicroPOISE™ settings

Maximum Paper Size - any size that can be handled to obtain position

Maximum Paper Thickness 5mm

Minimum Paper Thickness 0.01mm

Machine Throat Depth 122mm to image centre

## Foil Handling

Maximum foil impression area 35mm x 65mm subject to image type, substrate type etc.

Maximum foil width 67mm

Maximum foil roll 120mm diameter

Maximum foil waste collection 120mm diameter

Foil core size from 25.4mm up to 75mm

Hologram registration (optional)

Hologram positional tolerance +/- 0.25mm

Hologram Registration Mark 5mm x 5mm Bi-directional centered on image(recommended)

Fully adjustable registration system to read all mark types and positions.

## Parameter adjustments

Pressure - Dwell - Temperature - Run enable - Separation delay - foil move distance - hologram register move - register mark inversion

## Heating

Temperature range 90-140 degrees centigrade

Number of heaters 2

Temperature sensors 1

Heat-up cycle time 3 minutes

Die height 6.35mm

## General

Dimensions approximate 340mm (H) x 338mm (W) x 421mm (D)

Weight (kg) 35kg

Machine power supply 1 phase 220 - 240v 50Hz

Duty Cycle continuous

For further technical details please contact Security Foiling Limited