

NARROW WEB VIDEO PLATE MOUNTING AND PROOFING



Table Top Viper Machines

- Accurate proofing capabilities for plate verification before production
- Plate mounting with pin point accuracy
- Simple and extremely quick in operation
- Manufactured to the highest quality standards
- Versatile configurations
- Proven design with excellent reliability

The Industry Standard For Flexo Plate Mounting

The Viper Video Mounting and Proofing Machines utilise the same high accuracy video mounting techniques as the Heaford Table Top Cobra Mounting Units but with the addition of an impression system allowing the production of a "paste ink" proof. This enables the printer to check registration, text and general plate printability before the cylinders or sleeves reach the production press and thus optimizing press time. If a proof is not required then the machine can be used for precise plate mounting only.

The production plate cylinder is located between pneumatically operated cylinder support headstocks and the plate is mounted using high magnification video cameras. A thin film of water based paste ink is then applied to the plate which is brought into an accurate registered impression position resulting in a single colour print onto a gloss paper. The following plates are mounted and proofed in the same way to build up the composite finished proof.

- For plate mounting; two high powered video cameras (45x magnification) are used, each has fixed focal lengths and are mounted on ultra high precision linear bearings. The cameras open and close to cater for different plate widths and move up and down also on linear bearings for the full repeat range. No telescopic lenses are used ensuring total parallelism between print cylinder and cameras.
- Heavy duty CNC machined aluminium frame with wear bushes in critical moving parts. Holes in the frame are provided for secure fixing to table or bench top.
- Twin channel image generator creating a split in the 12 inch, high contrast video monitor and projecting 2 crosses in each side of the screen for easy mounting reference.
- 850mm circumference proofing drum moving to the impression position on precision linear bearings.
- Through-the-lens illumination system projecting 7mm wide light circles on to the cylinder for easier pre-positioning and for improved register mark visibility.
- Fully adjustable left hand cylinder support and precision, quick change plug adaptors allow the machine to easily and quickly support any combination of different cylinders.
- Pneumatic operation to print cylinder supports for quick and safe cylinder loading, repeatable alignment and sidelay accuracy.
- A circumferential locking device is fitted to prevent cylinder rotation when plate mounting and also for pre-register requirements.

MODEL WIDTHS AVAILABLE

400mm
500mm
600mm
700mm

Repeat range for all machines -
100mm / 4" to 800mm / 32"

OPTIONS

- Rigid aluminium support table
- Microdot target generator (circles & crosses)
- Shafted cylinder versions
- Sleeve dedicated versions

Machines are manufactured in the United Kingdom to exacting engineering standards, are offered with a full 12 month warranty and are certified to CE standards.

J.M. Heaford has been manufacturing and supplying video mounting and proofing systems since the company introduced microdot technology in 1992. Many of the leading narrow web press manufacturers recommend Heaford plate mounting systems.

J. M. Heaford has an established network of worldwide agents with full technical back up, augmented by a team of experts paying regular visits to clients.

jmheaford
MOUNTING & PROOFING SOLUTIONS

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