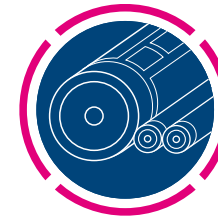


ROTOGRAVURE
PROOFING



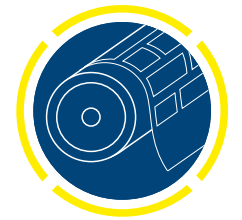
FLEXOGRAPHIC
PROOFING



CORRUGATED
MOUNTING
AND PROOFING



NARROW WEB
MOUNTING
AND PROOFING



WIDE WEB
MOUNTING
AND PROOFING

innovative plate mounting and proofing

J M Heaford Limited was established in 1982 in Altrincham, Manchester, England manufacturing rotogravure proofing presses. In 1985 the first flexographic proofing machines were manufactured and in 1993 Heafords launched the "microdot" mounting and proofing technology for flexographic printers.

Incorporating the latest technology Heafords have continually expanded the range of machines manufactured. The over-riding manufacturing principles of quality and accuracy are illustrated in that machines manufactured by Heafords 30 years ago are operating today. An investment in a Heaford machine is proven to be an excellent one.





DESIGN



PRODUCTION



SERVICE TEAM



QUALITY CONTROL



LATEST TECHNOLOGY



PRODUCT DEVELOPMENT



Meeting and exceeding our customers' expectations

Design and manufacture

To meet each customer's specific requirements, and in close consultation with sales, a team of highly experienced and innovative design engineers use the very latest CAD technology to specify the design of each machine manufactured.

Heafords in-house software engineers work in close collaboration with the design team to develop the software required

Each machine is then assembled in the Manchester factory by skilled engineers. Many of these engineers joined Heaford as apprentices and all have years of experience. All components manufactured to Heafords design are sourced locally to ensure that the tolerances and precision required by the exacting quality control procedures are met.

Installation, service and support

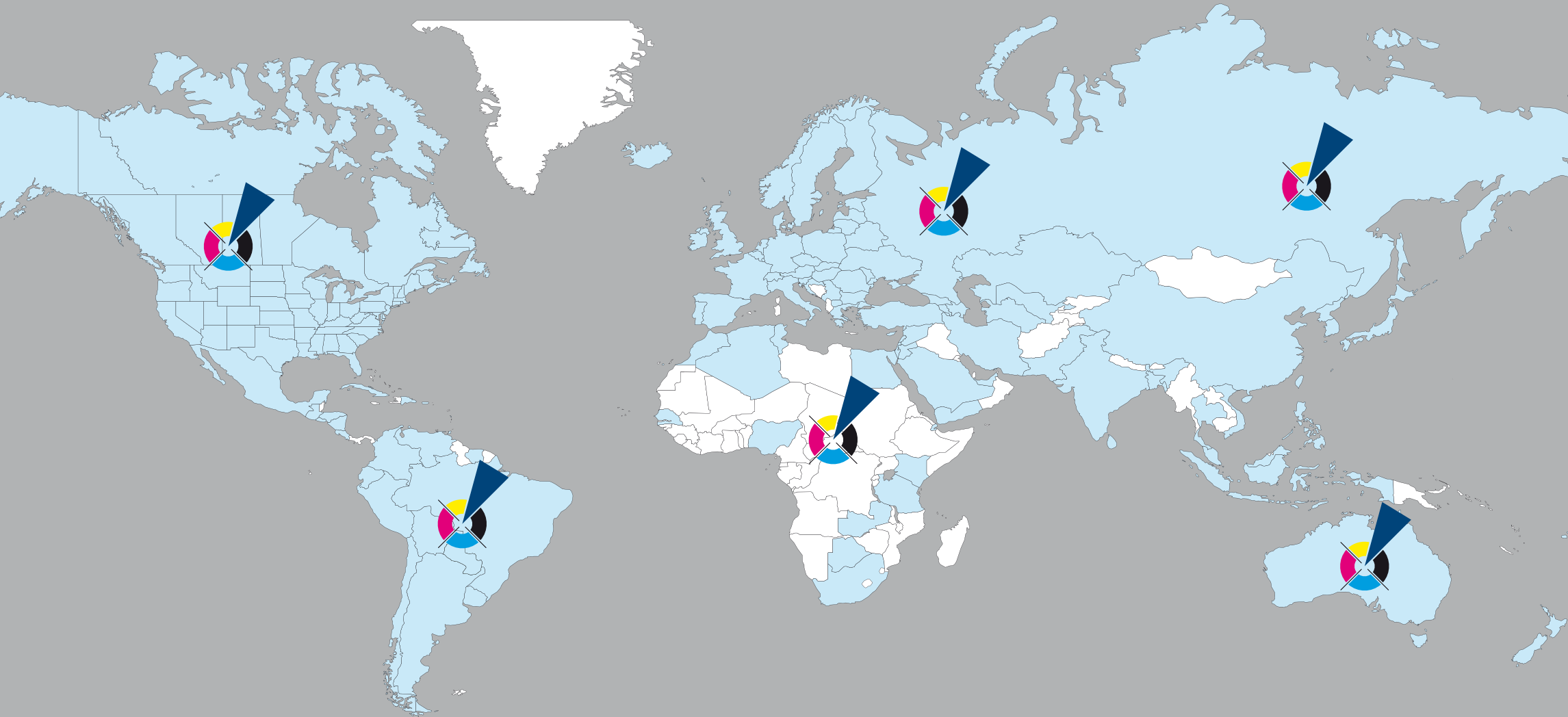
Heafords understand that for every customer timely service and support is critical post installation. With over 4,000 machines installed in over 100 countries

in the last 30 years Heafords standing as the world leading supplier of mounting and proofing machines is only enhanced by the service and support provided post installation.

A dedicated team of installation and service engineers travel throughout the world at a few hours' notice as required by our customers. Heafords have an installation and service engineer permanently based in North America to further enhance their capability to provide timely service. In addition many of Heafords worldwide network of agents can provide local service support.

Should customers require additional machine functionality post installation then close collaboration between the design team and in-house software engineers ensure these requirements can be met.

The dedicated team of installation and service engineers are supported by Manchester based staff who ensure that spare parts are despatched same day.



global sales and service throughout the world

Heafords have installed over 4,000 machines in over 100 countries



rotogravure proofing

Heafords gravure proofing presses are custom built to user specification dependent upon the cylinder type and size range to be proofed. Machines are available in varying sizes with a proven ability to operate effectively up to a cylinder face width size of 4000mm and a circumference of up to 2200mm.

Sample proofs are produced quickly and, in addition to checking engraving quality, the proof establishes the correct colours and ink standards to allow total elimination of production press downtime caused by cylinder problems. This type of proofing is the only system capable of using all production components for precise production proofing. The machines are extremely accurate yet simple in operation and have become a standard for high quality gravure proofing worldwide.



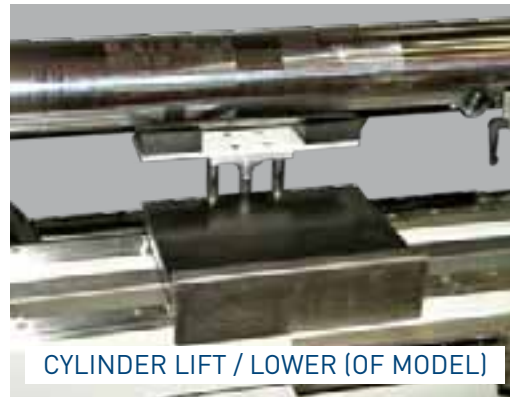
MODEL SC



MODEL OF



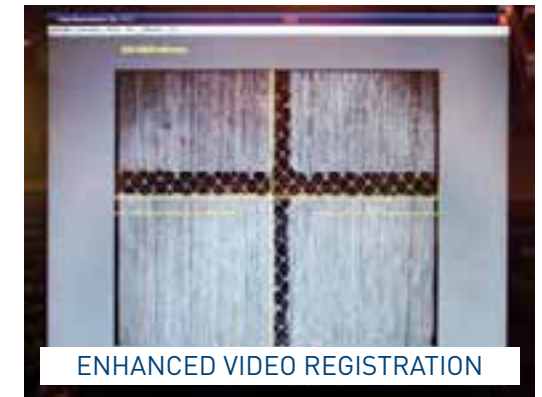
MODEL HA



CYLINDER LIFT / LOWER (OF MODEL)



ELECTRO STATIC ASSIST



ENHANCED VIDEO REGISTRATION



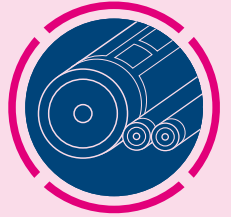
PC PROOF SETTING CONTROL



HYDRAULIC WASH OFF DRIVE



PNEUMATIC WASH OFF DRIVE



flexographic proofing

Heafords flexo proofing presses are specialised machines for proofing flexo plates and sleeves using production inks, substrates, aniloxes and sleeves/plate cylinders. The machines are available in two formats (geared or servo motor driven) each having their own major advantages. The machines are supplied in different widths to precisely suit the individual customer's requirements, be they plate-makers or printers. The design of the sleeve/cylinder support system is specified so that production plate sleeve/cylinders and aniloxes are simply and quickly exchanged. Machines can also be configured with camera systems to allow microdot mounting of multiple plates making them mounting and production proofing machines. With today's high quality flexo printing it has become commonplace to ensure plates are first proofed to confirm correct separations, text, fit and overall plate quality.



SDF SERVO DRIVEN



SDF SERVO DRIVEN REAR



CANTILEVER SETUP EXCHANGE



NARROW WEB MACHINE



GEAR DRIVEN



INK SUCTION



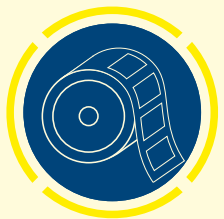
IMPRESSION SETTING SCREEN



DRIVE CONTROL SCREEN

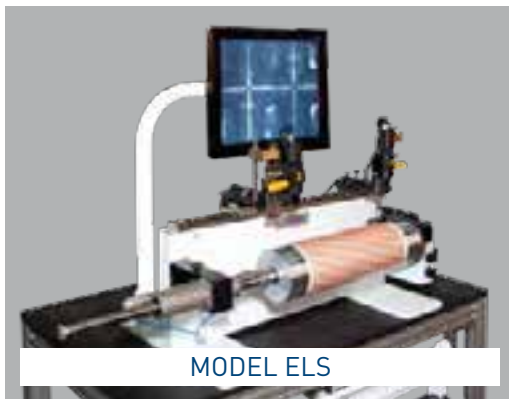


PLATE DATA SCREEN



narrow web

It is critical in the narrow web industry (labels and carton) that plates are mounted with 100% precision, speed and efficiency. Narrow web in-line presses with long web lengths often using very expensive substrates make the minimisation of waste via accurate plate mounting essential. Heafords machines are either COBRA (mount only) or VIPER (mount and proof) models and the precision construction allows for repeatable sleeve or cylinder positioning. High magnification camera configurations facilitate precise and accurate laydown of plates. A large range of machines is available to suit multiple cylinder and sleeve handling requirements.



MODEL ELS



QUICK CHANGE ADAPTORS



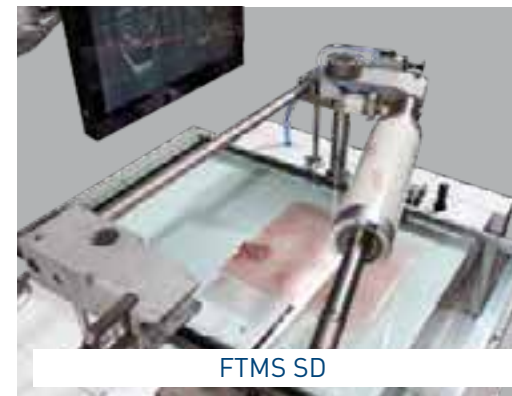
FTMS CYLINDER



SLEEVE DEDICATED - CLOSED



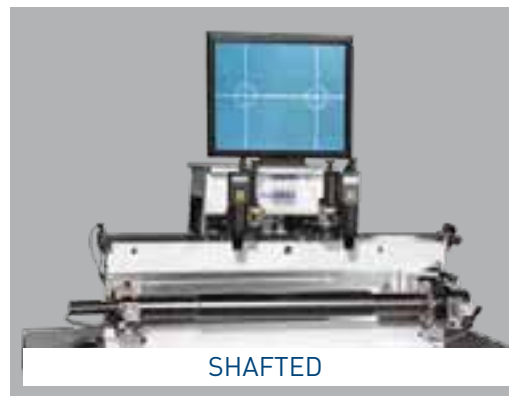
SLEEVE DEDICATED - OPENED



FTMS SD



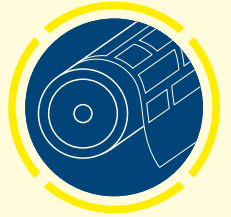
V-HEADSTOCK STRIKER



SHAFTED



MOUNT AND PROOF



wide web

Heafords developed the first Microdot mounting machines in 1992. There are two model ranges, COBRA (mount only) and VIPER (mount and proof). Precision mounting is essential for today's flexographic quality and short run JIT market. The Viper and Cobra machines facilitate reduction in press downtime and waste print and have played a significant part in the industry's success.

The machines precision construction combined with a repeatable sleeve or cylinder positioning system and high magnification camera configurations allow precise and accurate laydown of plates from operators who have had limited training. A range of machines is available to suit multiple cylinder and sleeve handling requirements. The flexible camera and indexing systems can mean lower plate and repro costs due to quick and easy plate stepping.



SD 2CS MOUNT ONLY



SD 2CS MOUNT AND PROOF



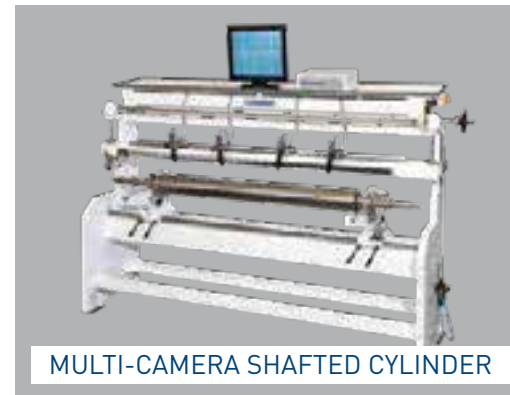
SD 2CS SHAFTED MOUNT AND PROOF



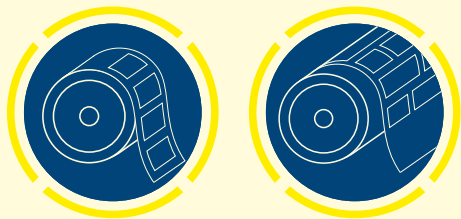
MULTI-CAMERA SLEEVE DEDICATED



2CS SHAFTED CYLINDER



MULTI-CAMERA SHAFTED CYLINDER



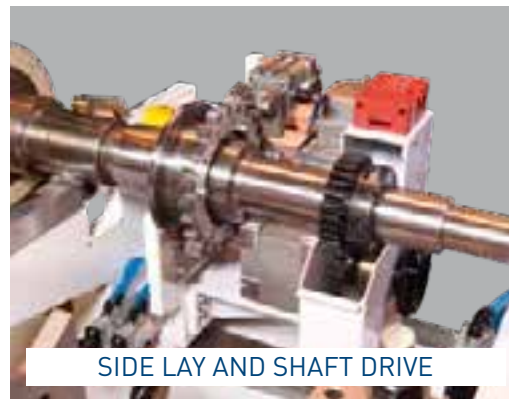
machine options

Each machine is made to the requirement of each individual customer to suit their requirements. A range of optional extras is available to be fitted to the standard machine specification or for fitting to existing machines installed on site.

The optional extras can be used to make operation more suitable for a range of operators, for speeding up the operation and to upgrade an existing machine to accept new production equipment at an expanding company.



SIDELAY COLLAR



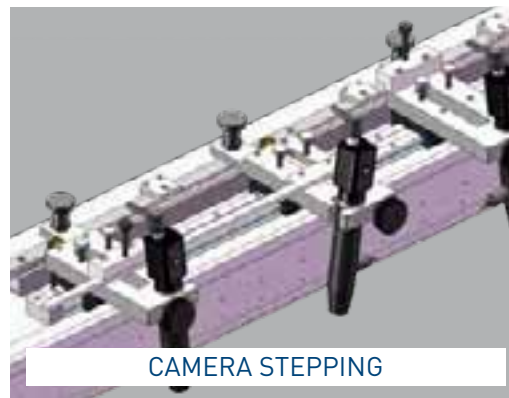
SIDE LAY AND SHAFT DRIVE



SHAFT DRIVE



DIGITAL MEASURING



CAMERA STEPPING



PLATE LAYDOWN ROLLER



PLATE CUTTING UNIT

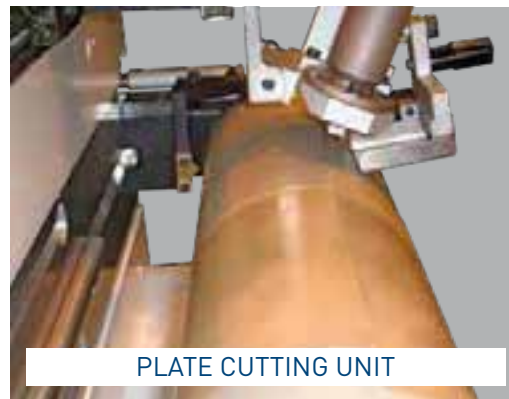


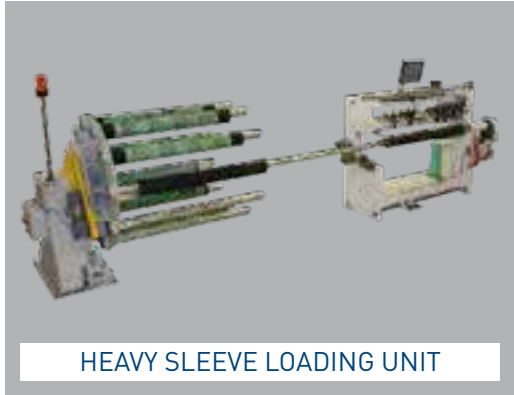
PLATE CUTTING UNIT



PLATE SUPPORT TABLE



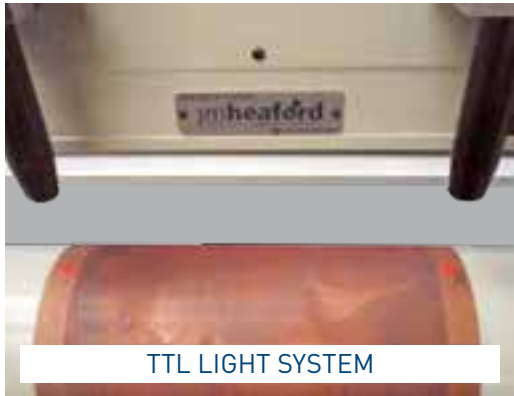
SLEEVE EXCHANGE UNIT



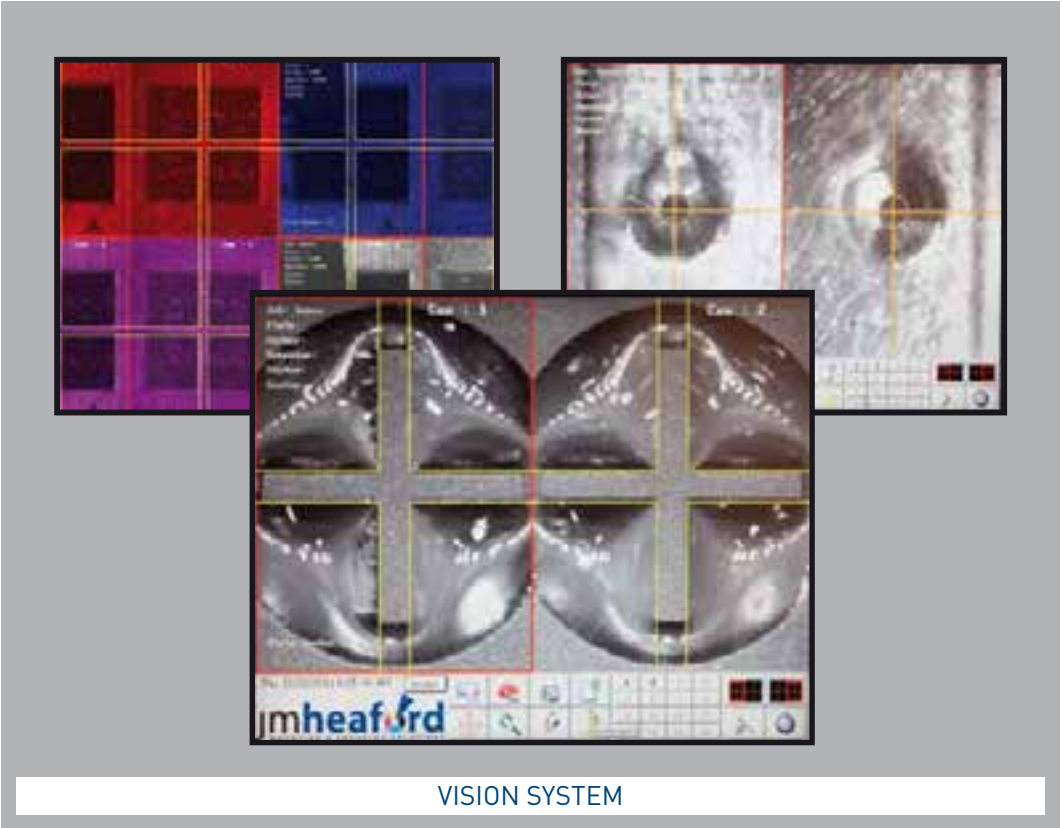
HEAVY SLEEVE LOADING UNIT



ALUMINIUM BRIDGE MANDREL



TTL LIGHT SYSTEM



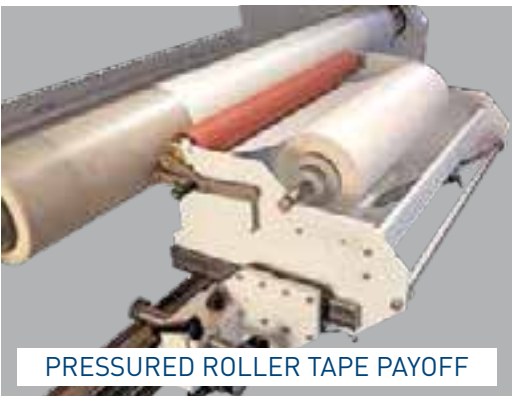
VISION SYSTEM



PIVOTING CRADLE TAPE PAYOFF



PIVOTING CARRIAGE TAPE PAYOFF



PRESSURED ROLLER TAPE PAYOFF



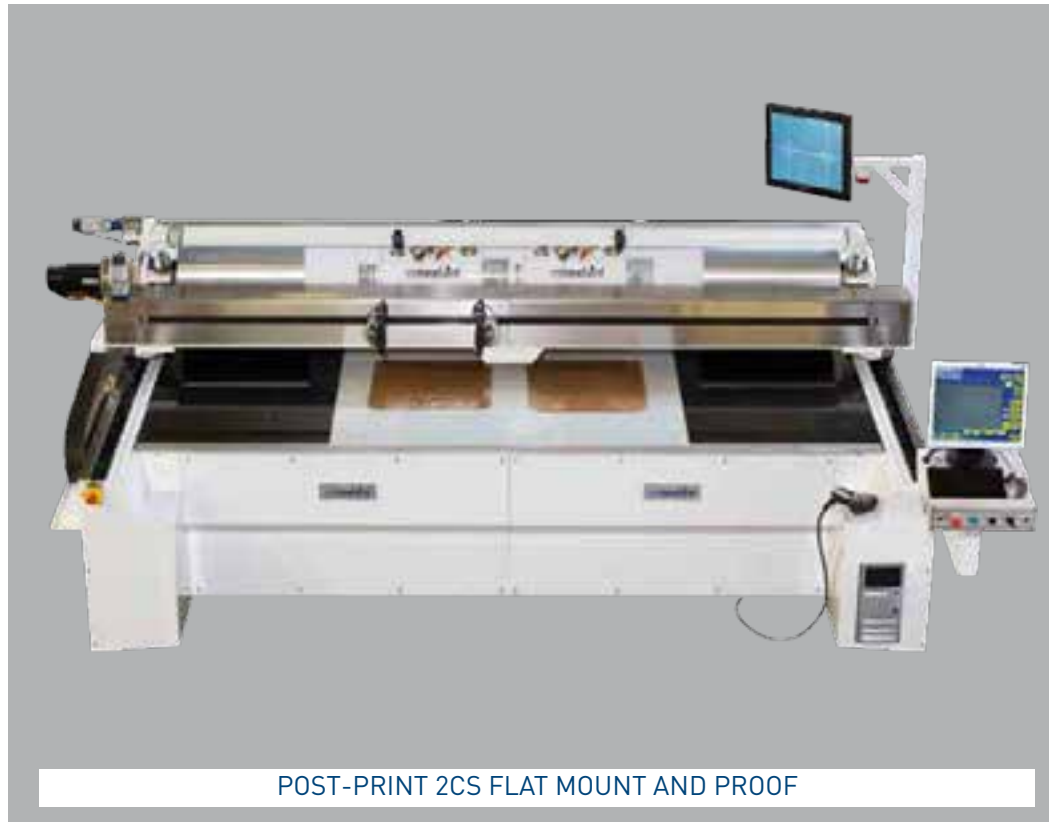
V-TRAY TAPE PAYOFF



post-print and pre-print corrugated

Flexographic post and pre-print markets continue to grow in quality and compete with long established print methods. Precision plate mounting is critical and innovative plate layouts can bring many benefits. Heafords offer both mount only and mount and proof machines to their post and pre-print customers

For the post-print there are models for flat and round mounting. The machine range incorporates servo drive options and connectivity to artwork systems with data output. All machines can be specified in various sizes, with or without proofing.



POST-PRINT 2CS FLAT MOUNT AND PROOF



MODEL RCS



2CS FLAT MOUNT AND PROOF REAR



PRE-PRINT CYLINDER MOUNT ONLY



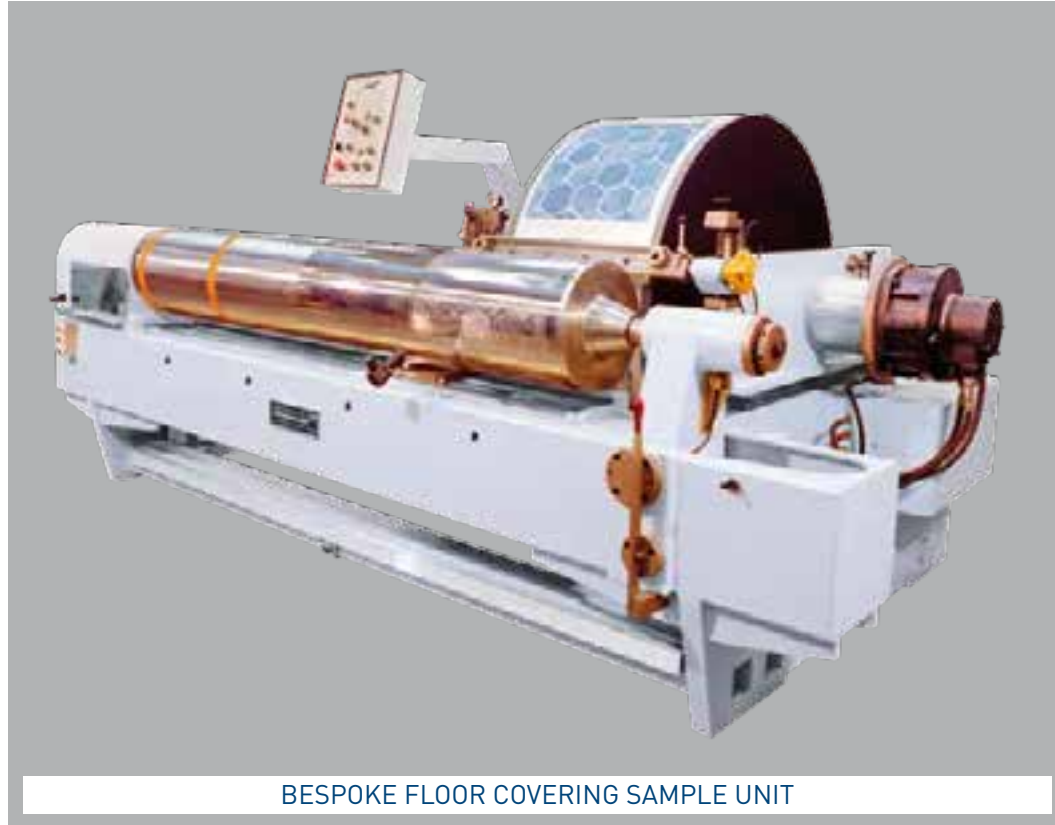
LARGE SERIES SD MOUNT ONLY



2CS/2CE MOUNT



COMBI GRAVURE AND FLEXO



BESPOKE FLOOR COVERING SAMPLE UNIT

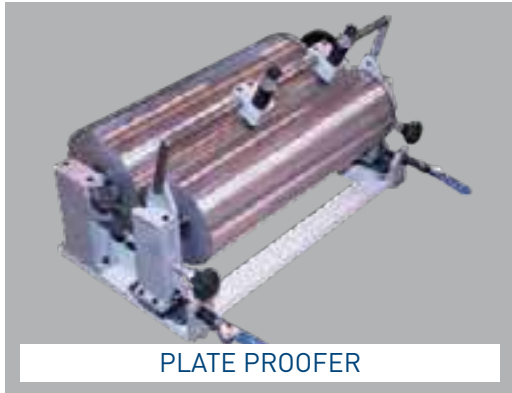


PLATE PROOFER

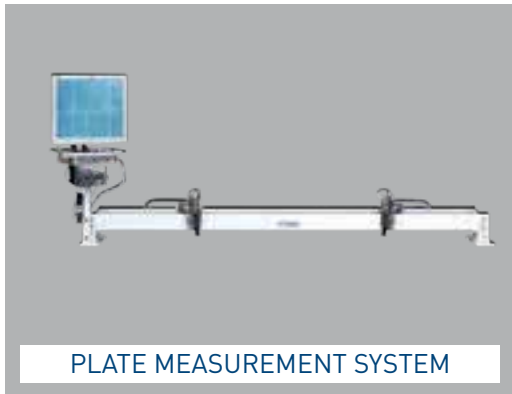


PLATE MEASUREMENT SYSTEM



CYLINDER PREPARATION



SLEEVE PREPARATION

bespoke designs

Customer requirements for unique bespoke designs have been designed and manufactured by Heafords utilising their specialist knowledge of print processes and machine manufacture.



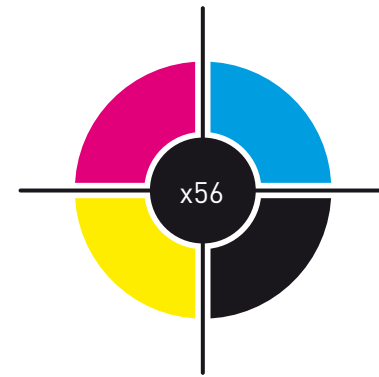
worldwide

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