

FLEXOGRAPHIC PROOFING



Servo driven



Gear driven narrow format



Gear driven large format

Flexo Proof Presses

- Produces production standard proofs
- Uses all press parameters including ink and substrate
- No further requirement for on press approvals
- Can be used for accurate plate mounting
- Sleeve and cylinder versions available
- Manufactured to the highest quality standards
- Versatile configurations
- Proven design with excellent reliability

The Industry Standard For Flexo Plate Proofing

A range of precision engineered flexographic proofing presses which can use all production parameters such as inks, plates, anilox cylinders and the actual press substrate to print a production quality, in-register, multicolour proof. The machines are used by both printing companies and plate making service houses as the proof can be used for customer approvals and not just for checking plate quality, separations, text and register. A machine such as this can also be used for in-house development work and for staff training purposes.

Machines can be used in conjunction with any type of inks such as water based and solvent based. A UV drying system is required if UV inks are used. The complete range of commonly used substrates can be printed onto such as label stock, thin P.E. films, B.O.P.P. films and carton board.

The machines are custom specified for each individual application. The larger format machines can be built using a 7 axis servo system or with a bull gear and proofing gear system. Typically sleeves would be used for both anilox and print forms but machines can also be built to handle cylinder formats. The narrow web machine for the label and carton industry has a gear drive system and again can be built to handle cylinders or sleeves.

The machines are fitted with a video system to suit the application – single high magnification camera for re-registering pre-mounted sleeves, single camera pair for one plate across and multiple camera pairs for multiple plates.

Impression setting system depends on the particular machine specification. The servo machine uses a servo motor and ball screw system, the wide format geared unit uses a manual screw system and hydraulics against hard stops and the narrow format machine uses manual screws and air cylinders. In all cases impression is measured and controlled by precision measuring systems accurate to 10 microns or better.

The proofing drum carrying the substrate is stainless steel ground to CI drum tolerances. Variable drum diameter offers proofing lengths of 500 mm up to 5 metres. Tensioning bars across the drum ensure that the substrate is correctly tensioned prior to proofing.

Wash off drive systems are fitted for anilox cleaning and ink suction systems are available as an option for removing excess ink from the doctor blade nip at the end of the proofing cycle.

Pre-inking systems are available for water-based and UV ink applications to improve ink density on the first print repeat and maximize the number of proofs available per print cycle.

Register control on the servo machine is electronic. Register control on the geared machines is mechanical.



Decorative Flexo Proof Press

	PRINT WIDTH	REPEAT RANGE	PROOF LENGTH
NARROW FORMAT	400 – 800 MM 15.75" – 31.50"	150 – 720 MM 5.91" – 28.35"	1500 – 2000 MM 59.06" – 78.74"
WIDER FORMAT	800 – 1750 MM 31.50" – 68.90"	300 – 1000 MM 11.81" – 39.40"	2000 – 5000 MM 78.74" – 196.85"

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 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.



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