



**VCML
PILOT COATER**

A precision engineered reel-to-reel coating machine ideally suited to both pilot and specialist production work.

- Interchangeable printing/coating heads
- HMI touch screen process control
- Web width up to 300mm
- Speed up to 70m/min
- Electronic tension control standard
- Simple installation

RK PRINTCOAT INSTRUMENTS



RK is based in a purpose-built factory about one hour north of London, near Cambridge. It is a family business with a staff of 30.

Roman Kerchiss, who had spent 30 years working in the surface coating industry founded RK in 1962.

COATING PROOFING PRINTING

OPTIONS	MATERIALS	MARKETS
<ul style="list-style-type: none"> • Meter bar • Gravure - Direct/Reverse/ Offset/Differential Offset • Flexo • Knife over roll/Comma bar • Slot die - 2 o'clock & 9 o'clock positions • Rotary screen • Air knife • Heated lamination • Hot air drying • IR • UV • Corona treatment 	<ul style="list-style-type: none"> • Paper • Film • Foil • Textiles • Adhesives • Inks • Silicones • Specialised coatings 	<ul style="list-style-type: none"> • R&D • Flexible packaging • Flexible printed electronics • Security printing • Medical and pharmaceuticals • Fuel Cells and batteries • OLED's and OVD's • Holograms • Laminating • Barrier coatings



**VCM
CUSTOM BUILT COATER**

RK have designed and built many VCM machines to meet customer requirements for special coating and printing applications.

Single or multiple process configurations enable the most complex and accurate results to be achieved.



- Web width up to 500mm
- Multiple drives
- Remote diagnostics
- Multiple print stations

RK specialises in the design and manufacture of equipment used to produce repeatable samples of most surface coatings. These may then be used for quality control and presentation purposes, research and development and computer colour matching data, elements vital to a company's success in the modern world.

The major industrial users of **RK** equipment include printing ink and paint manufacturers, pigment, resin and dyestuff suppliers, textiles, adhesives, papers, film, foils, medical and pharmaceutical products.



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The first name in sample preparation equipment

COATING PROOFING PRINTING



K HAND COATER

The K Hand Coater provides a simple but effective means of applying coatings onto many substrates including paper, board, plastic films, foils, metal plates, glass plates, wood etc. Two or more coatings can be applied side-by-side in a single operation making the system ideal for comparing products.

- Will deposit from 4 to 500 micron wet film thickness
- Good repeatability with special impression bed
- Conforms to ASTM D823-53 & BS 3900



K LOX HAND PROOFER

The simplest method of applying flexo inks and other fluid coatings onto any substrate to produce repeatable proofs that closely resemble conventional flexo printing.

The K LoX Hand Proofer is an essential tool for ink makers and printers alike.

- Instant flexo proof
- Easy to use, easy to clean
- Engraved anilox rollers control film thickness
- Repeatable ink density



K PRINTING PROOFER

High quality proofs using gravure or flexo inks are produced in an instant with the K Printing Proofer. Featuring electronically engraved printing plates, it is an essential tool for all those involved in the manufacture and use of liquid inks.

- Variable printing speeds up to 40m/min
- Any flexible substrate can be printed or laminated
- Two or more inks may be printed simultaneously for comparison purposes, and registration is included for overprinting

K CONTROL COATER

The K Control Coater provides quick, highly accurate and repeatable samples of surface coatings and is recommended where repeatability is essential, e.g. computer colour matching, or when a number of operators are involved. Coatings are applied by wire wound bars.

- Controlled speed and pressure ensure repeatable results
- Vacuum, magnetic, heated and glass beds available
- Two models available K101 coating width 170 x 250mm & K202 coating width 325 x 250mm
- Conforms to ASTM D823-53 & BS 3900

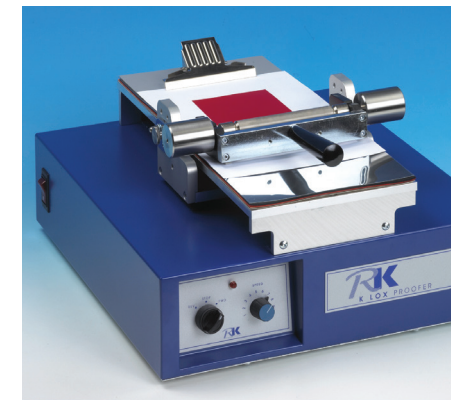


K LOX AUTOMATIC PROOFER

The Automatic K LoX Proofer ensures constant speed and pressure to produce highly accurate and repeatable flexo proofs.

This machine is recommended where repeatability is critical, e.g. computer colour matching, or where a number of operators are involved.

- Instant flexo proof
- Excellent repeatability
- Easy to use, easy to clean
- Interchangeable anilox rollers up to 500 Screen



GPI00

High quality proofs using gravure inks of press viscosity are produced instantly using the GPI00. Pneumatically operated impression roll and doctor blade, electronically engraved printing plates and variable printing speeds of 1 to 100m/min. Ideal for R&D, computer colour matching data, quality control and presentation samples.

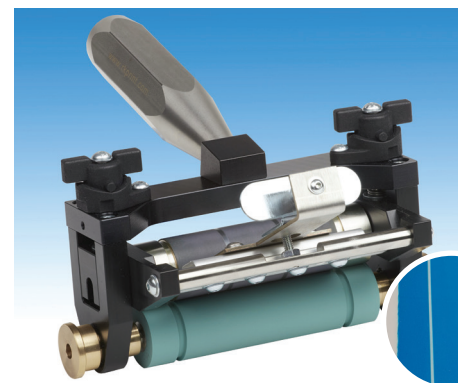
- Any flexible substrate can be printed
- Excellent printability ensured by the high speed of 100 m/min
- Quick release doctor blade for easy cleaning



K303S MULTICOATER

Basically similar to, but bigger than both the K Control Coater and the K Printing Proofer. The K303S multicoater can be supplied with a bar coating head (left) and flexo or gravure printing heads.

- All coating/printing heads fully interchangeable within minutes
- Maximum coating area 350 x 440mm
- Coating/printing speeds up to 39m/min
- Servo driven unit with HMI



ESIPROOF

A portable hand unit to produce flexo proofs quickly and economically. The EsiProof is quite unique in its use of a doctor blade on the anilox roller which enables proofing of fine tones and higher viscosity inks such as UV curing flexo inks.

- Good repeatability
- Ceramic anilox rollers available
- Pre-set pressure between rollers
- Spring loaded doctor blade on the anilox roller
- Banded ceramic rollers in stock

METERING BARS

RK manufacture metering bars to fit any production machine. These may be chrome plated to extend their life.

Metering bars provide accurate and predictable coatings at minimal cost. RK's high quality materials and accurate winding give excellent repeatability.



FLEXIPROOF 100/UV

A high speed, operator-friendly machine for the production of proofs using water, solvent or UV flexographic inks. Ideal for quality control, presentation samples, computer colour matching, research and development etc.

- Up to 100m/min print speed
- Quick change ceramic or steel anilox roller
- 1.14mm flexo plates
- Print area up to 250 x 80mm

The FlexiProof 100 is now available with optional LED UV curing.



RK INSTRUMENT SELECTION GUIDE

	Gravure ink	Flexo ink	Paint	Adhesive and other surface coatings
Samples for colour matching	KCC KPP GPI00	KLOX ESI FLX	KHC KCC KPA	N/A
Samples for customer approval	KPP GPI00 VCML	KLOX ESI FLX VCML	KHC KCC KPA	KHC KCC VCML
Printability testing	KPP GPI00 VCML	FLX KPP VCML	N/A	VCML

KHC K HAND COATER
KLOX HAND OR AUTO K LOX
ESI ESIPROOF
KCC K CONTROL COATER (K101/K202)
KPP K PRINTING PROOFER

KPA K PAINT APPLICATOR
FLX FLEXIPROOF 100/UV
VCML VCML PILOT COATER
GPI00 GPI00 GRAVURE PROOFER