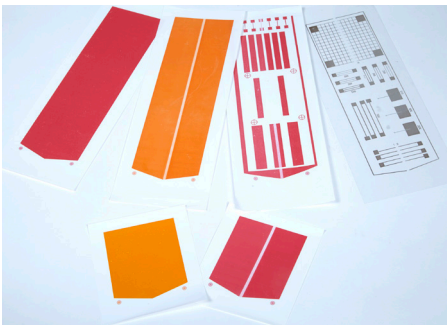


# FLEXIPROOF 100/UV



FlexiProof 100 UV

The RK FlexiProof 100 offers a high speed, operator-friendly machine for the production of proofs using water, solvent or UV Flexographic inks. It is an essential tool for all those involved in the manufacture and use of flexo inks. Ideal for quality control testing to ensure consistency of performance of inks and substrates over time, presentation samples, printability of substrates, R&D including product and commercial viability, and computer colour matching data.



Above: Print samples of the FlexiProof 100 and FlexiProof 100/UV

The FlexiProof 100 eliminates the need to use a production line printing press for pilot runs, as the machine is a scaled down but exact version of a full sized flexo press.

## BENEFITS

The FlexiProof 100 is ideal for both ink manufacturers and printers and can be used for the following, with all of the attendant benefits:

- **Printers:** Eliminates press down time by colour matching off press
- **Inks:** Computer colour matching, database and sample preparation
- Can be used to determine performance properties i.e. wear resistance, scratch resistance, flexibility, durability, gloss, etc.
- Will print on all typical commercial substrates - paper, board, film, foil, tissue
- Minimises expensive on-press waste production, boosts customer confidence and minimises customer returns

Complies with ISO 2834-2



REPEATABLE  
SAMPLES



RESEARCH +  
DEVELOPMENT

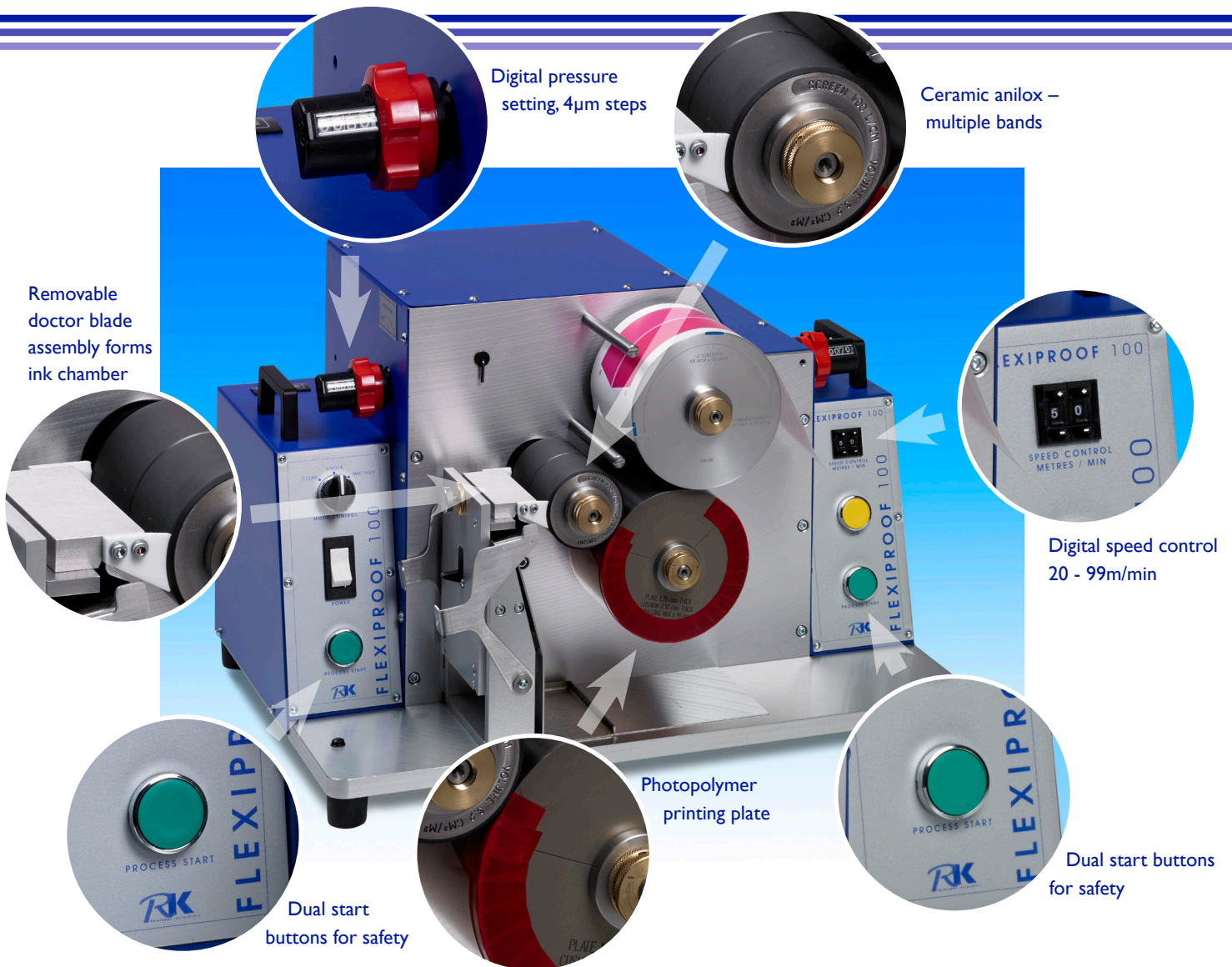


QUALITY  
CONTROL



GLOBAL  
SUPPORT

# FLEXIPROOF 100/UV



The FlexiProof 100 and FlexiProof 100/UV are invaluable colour evaluation tools helping to bring process variables into control, maintain quality and minimise waste.

## MAIN FEATURES

- Quick change, ceramic or steel anilox
- Swing in doctor blade with safety cover
- Up to 99m/min print speed
- Single sheet or multiple sheet
- PLC controlled
- Use any flexible substrate
- Print area up to 240x75mm
- Simple to use and easy to clean
- 1.14 Photopolymer Plate
- Other plate rollers available for different thickness plates

## ANILOX ROLLERS

Standard ceramic anilox rollers have two engraved bands as listed below. Rollers engraved with other screens can also be supplied.

Product code	CELLS Per linear cm	Volume Cm <sup>3</sup> /m <sup>2</sup>	CELLS Per linear inch	Volume Cbm/inch <sup>2</sup>
FLX100.01	400	3	1000	2.0
	320	4	800	2.6
FLX100.02	200	5	500	3.25
	160	6	400	3.9
FLX100.03	120	7	300	4.55
	100	8	250	5.2
FLX100.035	80	13	200	8.45
	55	18	140	11.7



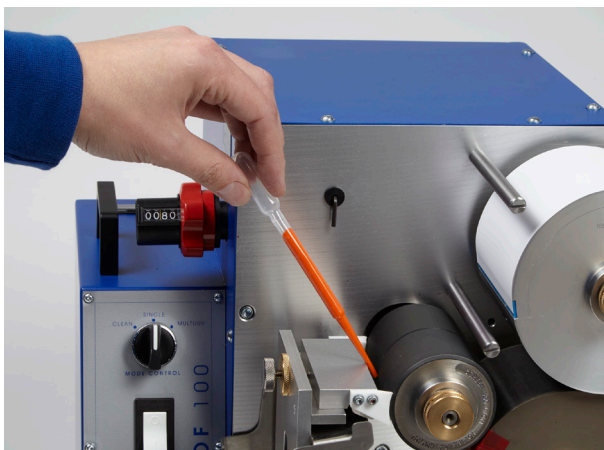
# OPERATION



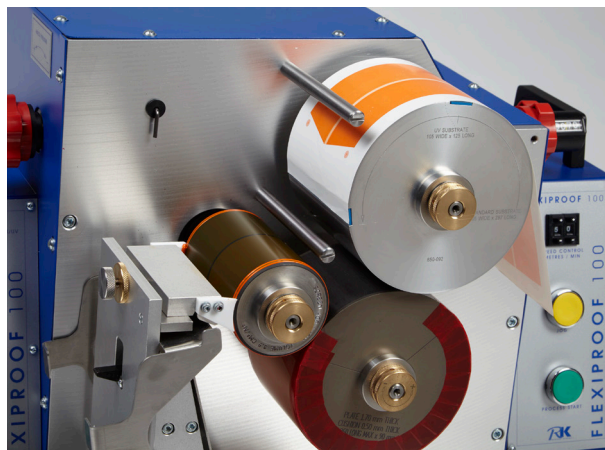
1. Select and fit the required anilox roll. Details of standard anilox rolls are on the adjacent page.



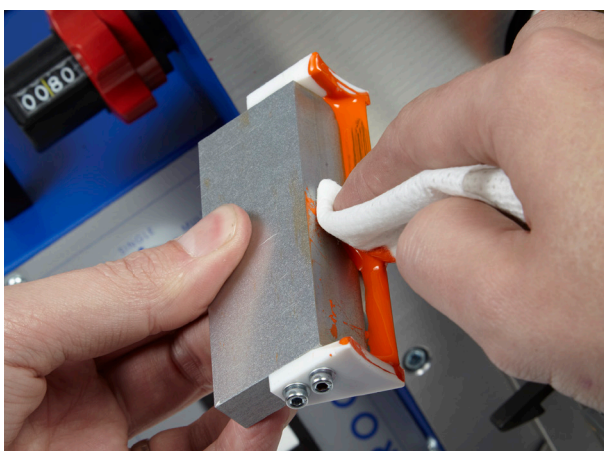
2. Fit substrate (105mm x 297mm) to impression roll using the self-adhesive substrate strip. Set printing speed up to 99m/min.



3. Apply ink using a disposable pipette or spatula. Side dams fitted at each end of the doctor blade assembly, provide a reservoir holding sufficient ink for producing multiple proofs when required.



4. First the anilox roller accelerates to print speed and rotates 3 times to distribute the ink. Then the plate and impression rollers rotate through one revolution to produce a proof.



5. Clean the blade, blade holder and side dams with a suitable solvent.



6. Clean the anilox roll while it rotates. The printing plate is also easily cleaned with the machine stopped. Use the mirror to check that it's clean.

# FLEXIPROOF 100/UV



FlexiProof 100 UV

## FLEXIPROOF 100/UV

*A new generation FlexiProof 100 with UV curing*

RK Print Coat Instruments' award winning FLEXIPROOF 100 is available with **UV curing** facilities. Available as an option, UV curing extends the capabilities of this precision bench-top sample preparation system still further.

The FLEXIPROOF 100 with UV will enable users to accurately simulate UV printing and instant curing for all prepress applications, from computer colour matching to customer samples and quality control, and from R&D to printability testing, etc. and address printability problems such as pinholing, adhesion, absorption, gloss, shrinkage, wetting etc.

Now available with UVLED curing capabilities.



## TECHNICAL DATA

### FLEXIPROOF 100/UV + UVLED

Printing Speed	Variable 20 → 99m/mi
Ink Types	Solvent based, water based, UV
Substrates	Flexible paper, board, film, foil and tissue
Substrate Size Flexiproof 100 Flexiproof 100/UV + UVLED	297mm x 105mm - half A4 125mm x 105mm
Maximum Printing Area Flexiproof 100 Flexiproof 100/UV + UVLED	240mm x 75mm 90mm x 75mm
Standard Plate Thickness	1.14mm plus 0.5mm, cushion mount (other sizes available)
Bench Space	55cm wide x 45cm deep
Weight of FlexiProof 100	45kg net - 51kg gross
FlexiProof 100 Power Supply	220 - 240V or 100 - 120V 50/60Hz
UV Lamp details	200W/cm <sup>2</sup> Peak Wavelength: 310 - 370 Nm
UV Power Supply	220 - 240V 50/60Hz, 15amp - single phase
UV Powerpack dimensions	40cm x 40cm x 20cm - 25kgs
LED Lamp details	FJ200 16W/cm <sup>2</sup> at 395 Nm FJ100 12W/cm <sup>2</sup> at 395 Nm (385 & 405 Nm also available)



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