The first name in sample preparation equipment

PRINTCOAT INSTRUMENTS

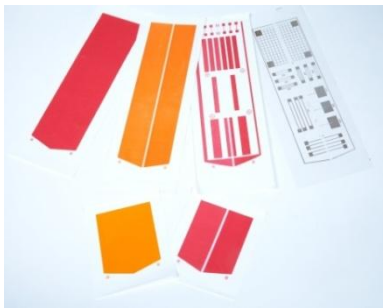
מיוצג בישראל ע"י
אפליקוט בע"מ
Applicoat Ltd

FLEXIPROOF 100/UV

The 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.

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.



Print samples of the FlexiProof 100

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.
- Minimises expensive on-press waste production, boosts customer confidence and minimises customer returns.

Complies with ISO 2834-2

The first name in sample preparation equipment

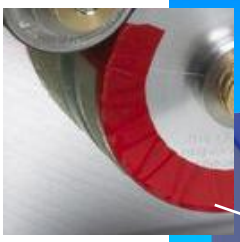
PRINTCOAT INSTRUMENTS

מיוצג בישראל ע"י
אפליקוט בע"מ
Applicoat Ltd

Digital pressure setting, 4µm steps

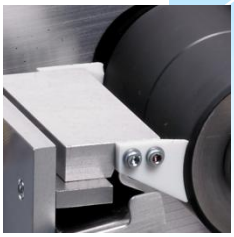
Ceramic anilox – multiple bands

Digital speed control 20 – 99m/min



Photopolymer printing plate

Dual start buttons for safety



Doctor blade forms ink chamber

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

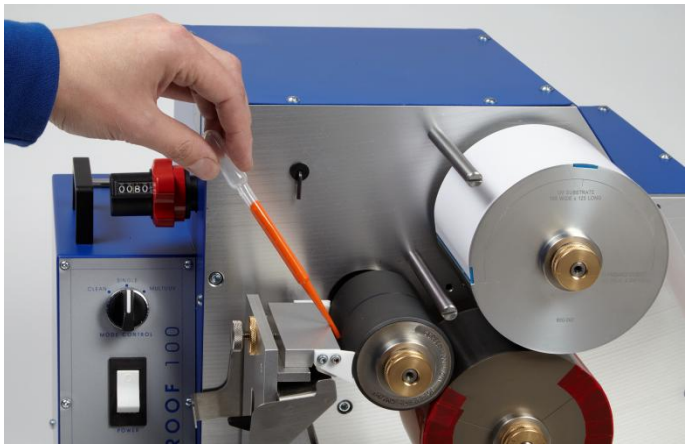
The FlexiProof 100 is an invaluable colour evaluation tool helping to bring process variables into control and maintain quality.

FLEXIPROOF 100

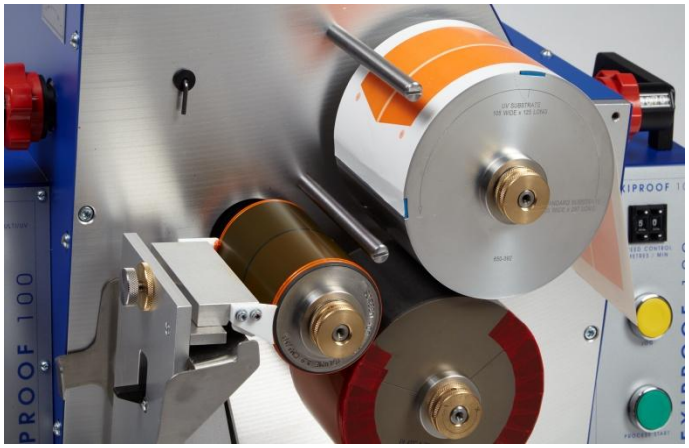
OPERATION

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

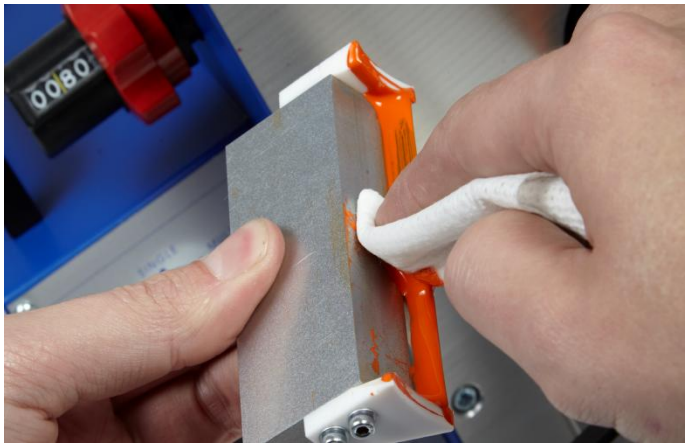
2 Fit substrate (105mm x 297mm) to impression roll using the self-adhesive substrate strip. Set printing speed up to 99m/min.



3 Apply ink using a disposable pipette. Side dams fitted at each end of the doctor blade 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.

The first name in sample preparation equipment

FLEXIPROOF 100

FLEXIPROOF 100 UV

A new generation FlexiProof 100 With ***UV*** curing

Now available with optional LED UV curing.

RK Print Coat Instruments' award winning FLEXIPROOF 100 is now 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 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.

TECHNICAL DATA FLEXIPROOF 100 UV

Substrate size	125mm x 105mm
Maximum printing area	90mm x 80mm
UV Lamp details	200W/cm Peak wavelength: 310-370 Nm
UV Powerpack	40cm x 40cm x 20cm – 25kgs
Power Supply UV Powerpack	**230V minimum voltage,** 50/60Hz, 15amp - single phase

ANILOX ROLLERS

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

CELLS Per linear cm	Volume Cm3/m2	CELLS Per linear inch	Volume Cbm/inch2
400 320	3 4	1000 800	2.0 2.6
200 160	5 6	500 400	3.25 3.9
120 100	7 8	300 250	4.55 5.2
80 55	13 18	200 140	8.45 11.7

TECHNICAL DATA FLEXIPROOF 100

Printing Speed	Variable 20 → 99m/min
Ink Types	Solvent based, water based, UV
Substrates	Flexible paper, board, film and foil
Substrate Size	297x105mm – half A4
Maximum Printing Area	240x75mm
Standard Plate Thickness	1.14mm plus 0.5mm, cushion mount
Overall Plate Dimensions	260x90mm
Roller Adjustment	In steps of 4 micron
Doctor Blade	Hardened steel stepped edge 92x12x0.15mm
Bench Space	55cm wide x 45cm deep
Weight	45kg net – 51kg gross
Power Supply	100-115-200-230 volts 50/60Hz

N.B. UV POWER PACK REQUIRES 230 VOLTS MINIMUM.

RK PRINTCOAT INSTRUMENTS

מיוצג בישראל ע"י

אפליקוט בע"מ

Applicoat Ltd

החרמש 24, צ'ק פוסט, חיפה.

בית גרא, קומה א', מען למכתבים:

ת.ד. 7229 חיפה 31071

טלפון: 04-8400080

פקס: 04-8400982

איש קשר: דני מאיר

appli @ 017.net.il