

# FLEXIPROOF 100/UV

## 30-60



▲ Detail of the Flexiproof 100 UV unit

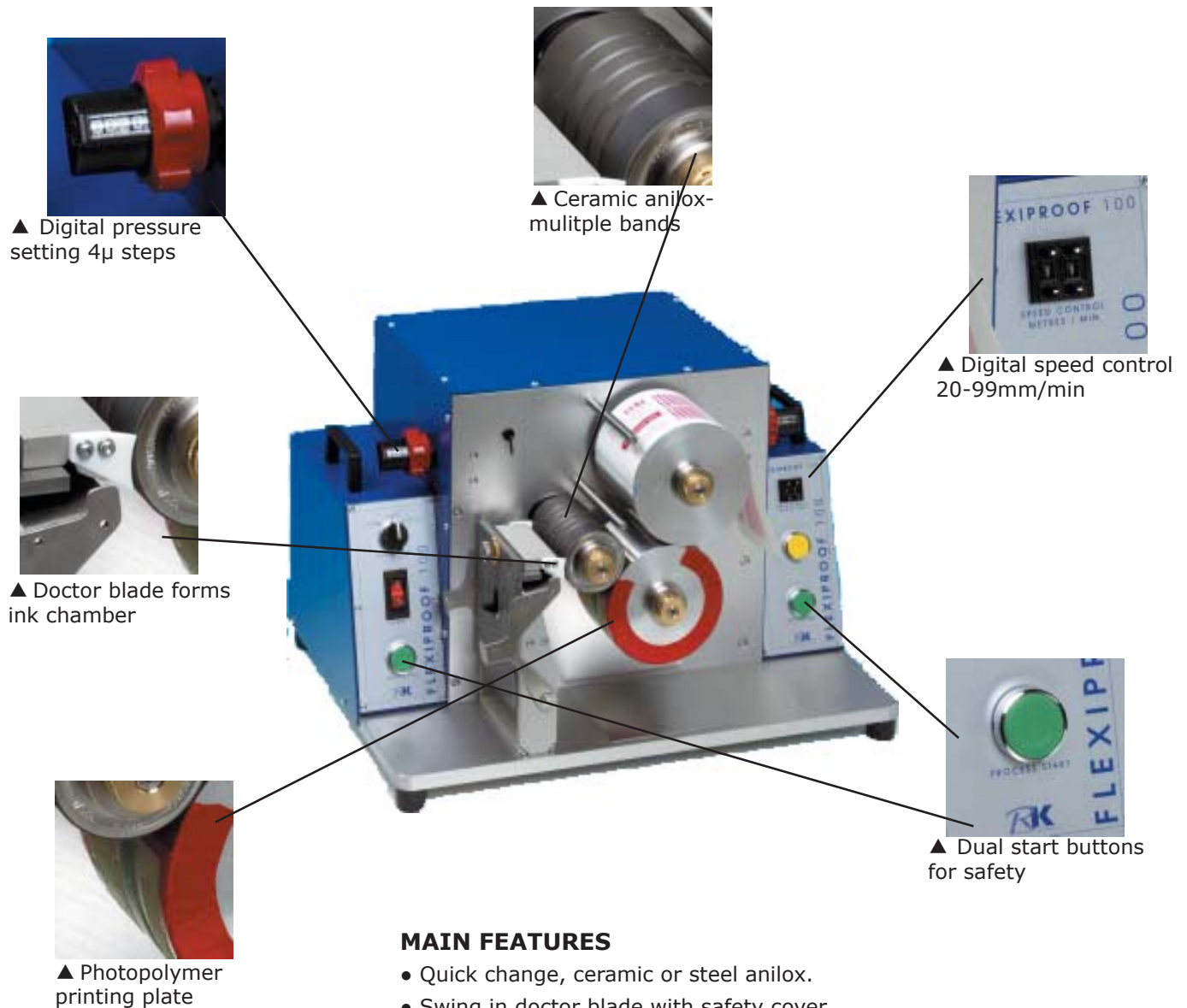
The **RK Flexiproof 100** offers a high speed, operator-friendly machine for the production of proofs using water, solvent or UV flexographic inks. It is an essential tool for all those involved in the manufacture and use of flexo inks. Ideal for quality control, presentation samples, R&D and computer colour matching data.

### Benefits

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

- Printers – eliminates press downtime by colour matching off press.
- For quality control testing and to ensure consistency of performance of inks and substrates over time.
- Inks – computer colour matching, database and sample preparation.
- Eliminates the need to use a production line printing press for pilot runs, as the Flexiproof 100 is a scaled down but exact version of a full sized flexo press.
- Can be used to determine performance properties i.e. wear resistance, scratch resistance, flexibility, durability, gloss, etc.
- Research and development – product viability, commercial viability.
- Will print on all typical commercial substrates – paper, film, foil.
- Minimizes expensive on-press waste production, boosts customer confidence and minimizes customer returns.

# FLEXIPROOF 100/UV



## 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 240 x 75mm.
- Simple to use and easy to clean.

THE FLEXIPROOF 100 IS AN INVALUABLE COLOUR COMMUNICATION 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.



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



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



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



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.



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 is clean.

# FLEXIPROOF 100/UV

## A new generation Flexiproof 100 with UV curing

**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	220W/cm Peak wavelength: 310-370 Nm
UV Powerpack	40cm x 40cm x 20cm-25kgs
Power Supply UV Powerpack	230 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
400 320	3 4
200 160	5 6
120 100	7 8
80 55	13 18

Cells Per linear inch	Volume Cbm/inch2
1000 800	2.0 2.6
500 400	3.25 3.9
300 250	4.55 5.2
200 140	8.45 11.7

## SPECIFICATIONS

Model	30-60-00-0001
Printing Speed	Variable 20-99m/min
Ink Types	Solvent based, water based, UV
Substrates	Flexible paper, board, film and foil
Substrate size	297 x 105 mm (11.7 x 4.1 in)
Maximum printing area	1.7 mm plus 0.5 mm, cushion mount
Standard Plate Thickness	260 x 90 mm (10.2 x 3.5 in)
Overall Plate Dimensions	In steps of 4 micron
Roller Adjustment	Hardened steel stepped edge 92 x 12 x 0.15 mm (3.6 x .4 x .006 in)

## Physical Specifications

Bench Space	55 cm wide x 45 cm deep (21.6 x 17.7 in)
Weight	45kg net 51kg gross (99 lb net, 112 lb gross)
Power Supply	100-115-200-230 volts 50/60 Hz

N.B. UV POWER PACK REQUIRES 230 VOLTS MINIMUM

### Main Headquarters

**Testing Machines Inc.**  
2 Fleetwood Court  
Ronkonkoma, NY 11779  
Tel: (631) 439-5400  
Fax: (631) 439-5420  
Info@testingmachines.com

**Messmer Instruments**  
Unit F1 Imperial  
Business Estate  
West Mill, Gravesend  
Kent DA11 0DL UK  
Tel: +44 (0) 1474 566488  
Fax: +44 (0) 1474 560310

**Büchel BV**  
Fokkerstrat 24,  
3905 KV  
Veenendaal,  
Netherlands  
Tel: +33 (0)318 521500  
Fax: +33 (0)318 5400358

**Lako Tool and  
Manufacturing Inc.**  
7400 Ponderosa Road  
Perrysburg, Ohio 43552  
Tel: (419) 662-5256  
Fax: (419) 662-8225

**Lawson Hemphill**  
1658 G A R Highway  
Swansea, MA 02777  
Tel: (508) 679-5364  
Fax: (508) 679-5396  
Information@  
lawsonhemphill.com

**Adamel Lhomargy  
SARL**  
Z.A. de l'Habitat,  
Bâtiment 6 Route  
d'Ozoir, 77680  
Roissy en Brie, France  
Tel: +33 (0) 1 6440291  
Fax: +33 (0) 1 64409211

**TMI Canada**  
P.O. Box 203  
Pointe-Claire Dorval  
QC, H9R-4N9 CAN  
Tel: (514) 426-5855  
Fax: (514) 426-1557



[www.testingmachines.com](http://www.testingmachines.com)

[www.lakotool.com](http://www.lakotool.com)

[www.lawsonhemphill.com](http://www.lawsonhemphill.com)