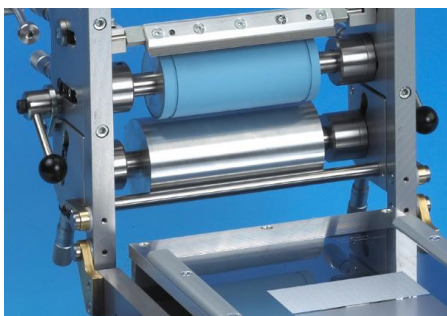


# K PRINTING PROOFER



K Printing Proofer Flexo Head



Above:  
Detail of the K Printing Proofer Flexo Head

High quality proofs using gravure, gravure-offset or flexo inks are produced instantly using the K Printing Proofer. Featuring electronically engraved printing plates and variable printing speeds of up to 40m/min, this is an essential tool for all those involved in the manufacturing or use of liquid inks. Ideal for R & D and computer colour matching data, quality control and presentation samples. The K Printing Proofer is very easy to clean and all parts are solvent resistant.

## MAIN FEATURES

- Almost any flexible substrate can be printed or laminated
- Excellent printability ensured by micrometer control
- Multiple ink samples may be printed simultaneously for comparison purposes
- High printing speeds enable use of inks nearing press viscosity
- Easy to operate with a footprint of just 400 x 500mm



REPEATABLE  
SAMPLES



RESEARCH +  
DEVELOPMENT

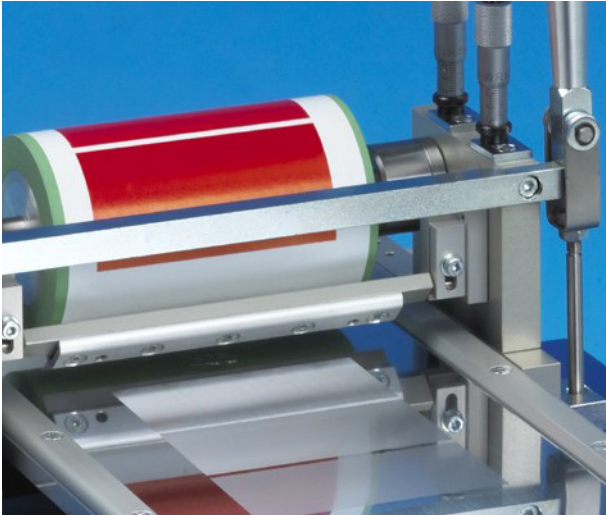


QUALITY  
CONTROL



GLOBAL  
SUPPORT

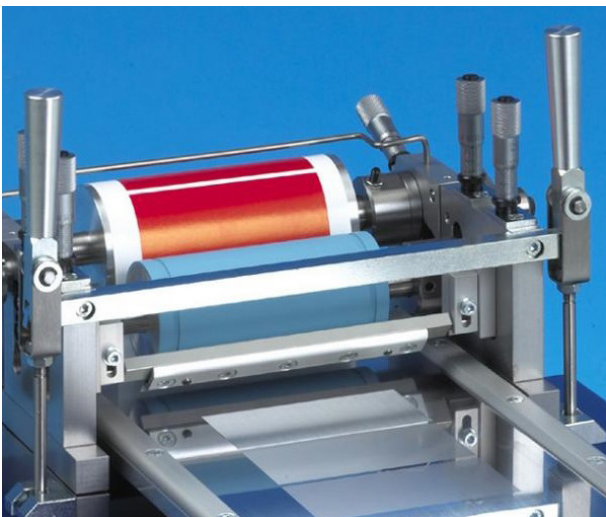
# K PRINTING PROOFER



## GRAVURE

---

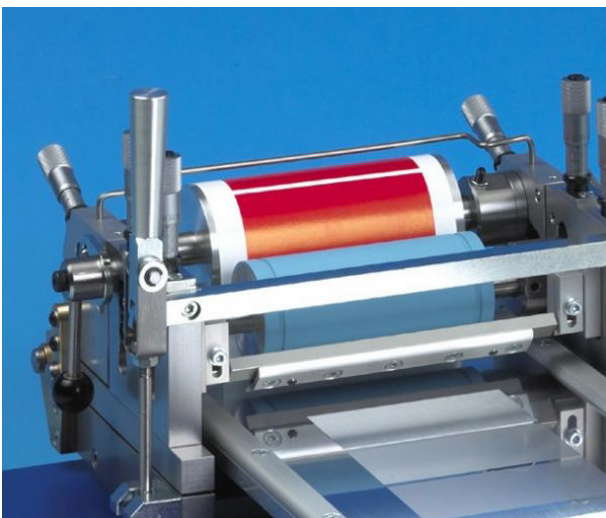
Ink is transferred from an electronically engraved printing plate directly onto the substrate, which is attached to the rubber impression roller. Doctor blade and roller adjustments are made via micrometers allowing repeatable settings for future tests.



## FLEXO

---

Using the flexo head, ink is transferred from the printing plate to a plain stereo roller and then onto the substrate. Adjustments are again made by micrometers. Plain or step wedge plates are available corresponding to the various densities required for flexo printing.

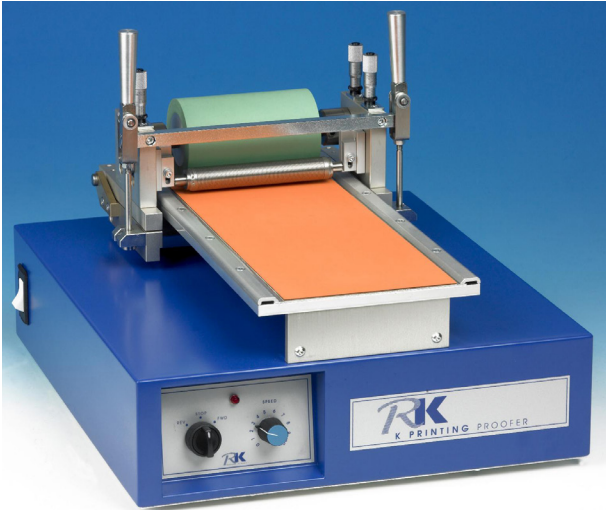


## GRAVURE OFFSET

---

The flexo head is employed and fitted with a plain rubber roller to transfer ink from the plate to the substrate. A machine supplied with the flexo head can therefore be used for both techniques with the possible addition of an alternative stereo/offset roller and printing plate if required.

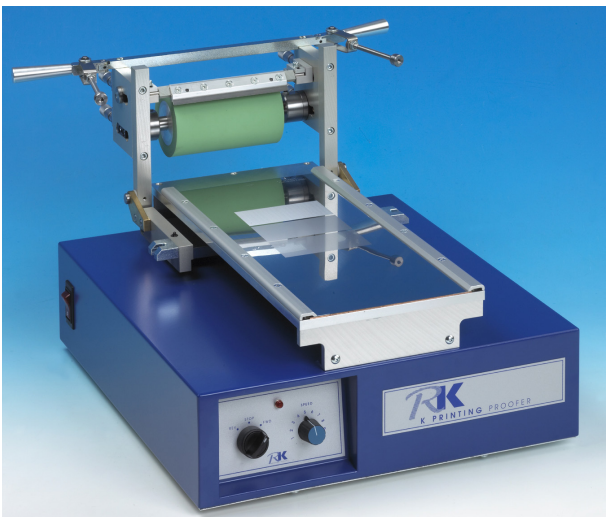
# K PRINTING PROOFER



## LAMINATING

Both wet and dry laminated samples can be produced on the machine using the gravure head with K-Lam laminating accessories. This includes a rubber covered bed using a K-Lam bar to apply adhesive. Adhesive is applied in front of the bar and the machine then coats and laminates in one operation.

Dry laminating is carried out in two phases. The adhesive is coated onto one substrate and after evaporation of the solvent, the second substrate is subsequently laminated to it.



## CLEANING

The essential job of cleaning various machine components following each proofing run has been simplified by careful design. The illustration (left) shows the machine fitted with a gravure head pivoted back to the cleaning position. It can be seen that the printing plate, rollers and doctor blade are all exposed and easily accessible.

## ORDERING DETAILS

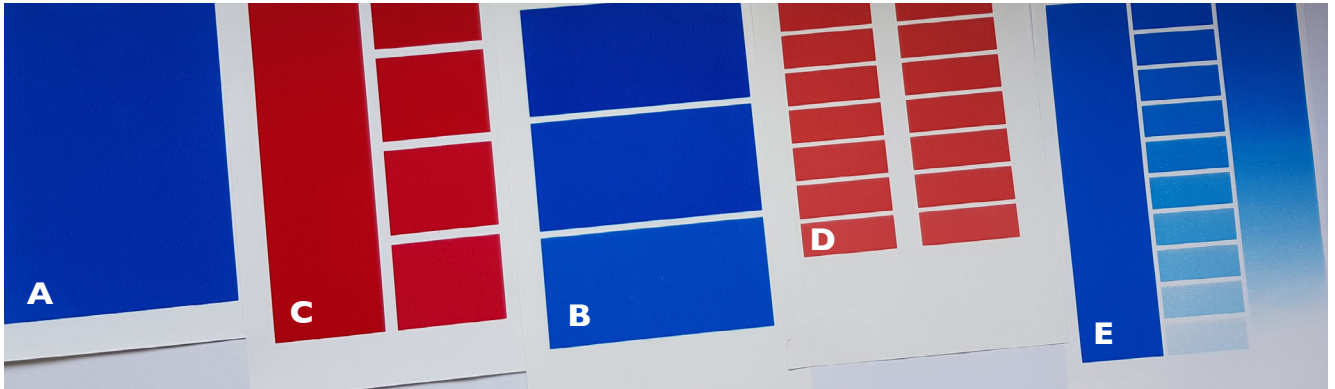
The K Printing Proofer is available in various complete systems. Accessories include proofing paper having one gloss and one matt side in packs of 500 sheets, spare doctor blades (5 pack) and disposable plastic 3ml pipettes (100 pack).

Detailed on page four are the electronically engraved standard design printing plates.

## SPECIFICATION

Footprint	400 x 450mm
Weight	From 21 Kgs
Rating	220 - 240V or 100 - 120V 50/60Hz Pneumatic version: 5.5 bar (80psi)

# K PRINTING PROOFER



The illustration shows various proofs obtained with standard plates, details of which are as follows:

## A. Solid Area Plate

- (KPP.10) 100 lines/inch (40 lines/cm) Density: 100%
- (KPP.11) 150 lines/inch (60 lines/cm) Density: 100%
- (KPP.12) 200 lines/inch (80 lines/cm) Density: 60%

## B. Single 3 Wedge Plate

- (KPP.13) 150 lines/inch (60 lines/cm)
- Densities: 100-80-60%

## C. 1 + 4 Wedge Plate

- (KPP.14) 150 lines/inch (60 lines/cm)
- Densities: Half area 90% and adjacent step wedges  
100-90-80-70%
- (Not suitable for use with the flexo head)

## D. Double 8 Wedge Plate

- (KPP.15) 150 lines/inch (60 lines/cm)
- Densities: 100-95-90-85-80-75-70-60%
- (KPP.15a) 300 lines/inch (118 lines/cm)
- Densities: 100-95-90-85-80-75-70-60%
- (KPP.15ab) 150 & 300 lines/inch
- Equivalent flexo anilox volumes 19 – 4cm<sup>3</sup>/m<sup>2</sup>  
when printed by gravure
- Densities: 100-95-90-85-80-75-70-65-60%

## E. Gravure Utility Plate

- (KPP.18) 175 lines/inch (70 lines/cm)
- Column 1: Solid area, density 100%
- Column 2: Densities 100-90-80-70-60-50-40-30-20-10%
- Column 3: Vignette 100-0%

## PRINTING PLATES

Printing plates for use with the Printing Proofer are electronically engraved in exactly the same way as production cylinders. A choice of one or more of the standard plates available will normally be satisfactory but special plates including those with a logo and/or company details can be supplied.

### Maximum engraving areas:-

**Standard Plates:** Flexo 150 x 95 mm  
Gravure 160 x 95 mm

**Special Design Plates:** Flexo 150 x 95 mm  
Gravure 180 x 110 mm



### **RK PrintCoat Instruments Ltd.**

Litlington, Royston, Hertfordshire, SG8 0QZ  
United Kingdom

Tel: **+44(0)1763 852187**

E-mail: **sales@rkprint.com**