

# K PRINTING PROOFER



## An Essential Tool

High-quality proofs using gravure, gravure offset or flexographic 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 manufacture or use of liquid inks. It is ideal for R&D and computer color matching data, quality control and presentation samples. The K Printing Proofer is very easy to clean as all parts are solvent-resistant.

## *Interchangeable heads for maximum flexibility*

### Features

- Variable printing speeds of up to 40 meters per minute enable the use of press viscosity inks
- Any flexible substrate (including films, board, aluminum foil, PVC) can be printed or laminated
- Excellent printability is ensured with a fine micrometer control (.01mm) of the impression and doctoring settings
- Two or more inks may be printed simultaneously for comparison purposes and registration is included for overprinting
- Very easy to operate and only occupies a benchtop space of 15.7x19.7"/40x50cm

## ***Interchangeable heads for maximum flexibility***



### **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 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 unit 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.

## *Interchangeable heads for maximum flexibility*



### **Laminating**

Both wet and dry laminated samples can be produced on the machine, using the gravure head with K-Lam laminating accessories. These include a rubber-covered bed and K-Lam bars, replacing the doctor blade in order to control adhesive coating weight.

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 photo at the 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.

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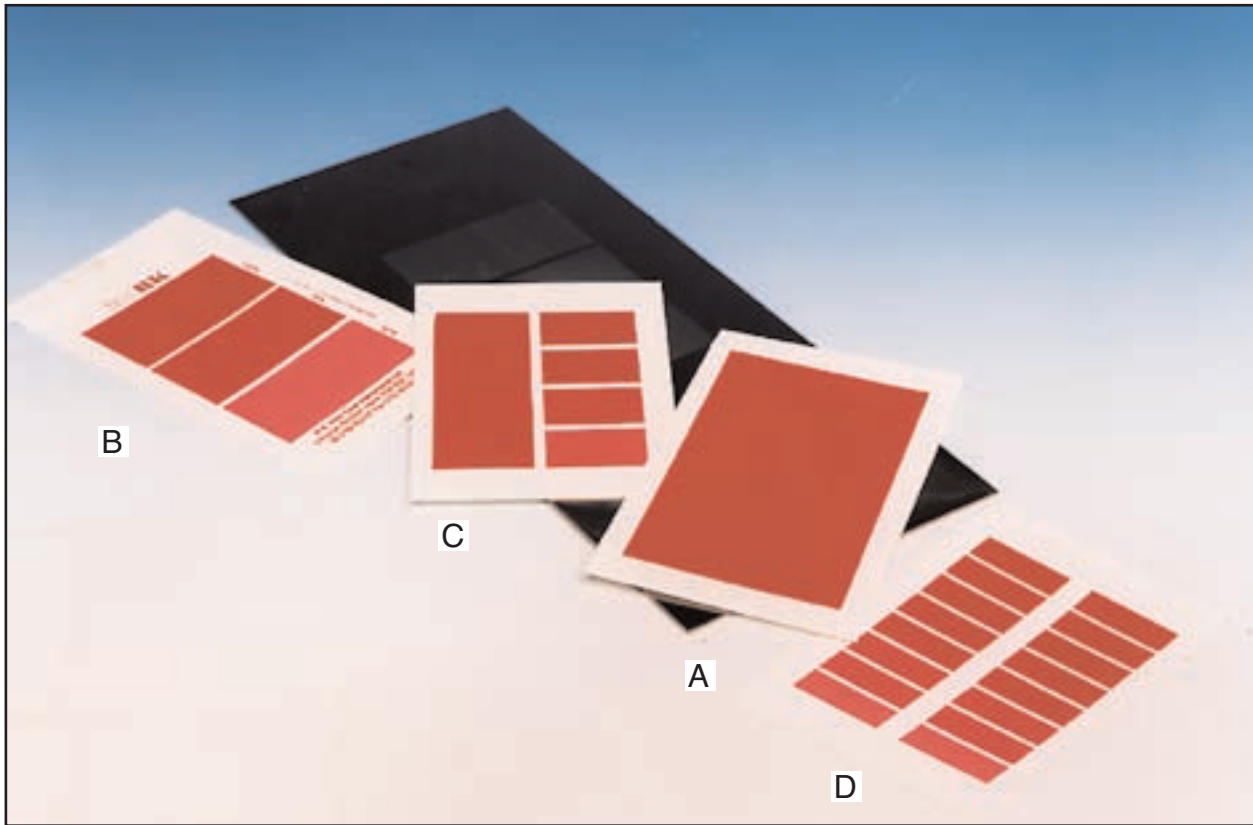
### **Accessories**

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

### **Required Order Specifications**

- Type of drive: electric or pneumatic (safe for hazardous areas)
- Coating head(s) and accessories
- Power supply: operation at 220V or 110V, or compressed air

## Printing Plates



The above illustration shows a typical plate along with various proofs obtained with standard plates, details of which are as follows:

### A. Solid Area Plate

100 lines per inch/40 lines per cm Density: 100%  
150 lines per inch/60 lines per cm Density: 100%  
200 lines per inch/80 lines per cm Density: 60%

### B. Single 3-Wedge Plate

150 lines per inch/60 lines per cm Densities: 100-80-60%  
(Please note that the proof shown has a typical company logo and address included.)

### C. 1 + 4 Wedge Plate

150 lines per inch/60 lines per cm Densities: half area 90%  
and adjacent step wedges 100-90-80-70%

### D. Double 8-Wedge Plate

150 lines per inch/60 lines per cm Densities: 100-95-90-85-  
80-75-70-60%

## Printing Plates

Printing plates for use with the K Printing Proofer are electronically engraved in exactly the same way as production cylinders (maximum engraved area is 6.3x3.7"/16x9.5cm).

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.