

KLOX AUTOMATIC AND MANUAL PROOFERS

A simple manner to apply liquid inks and other fluid coatings onto any substrate

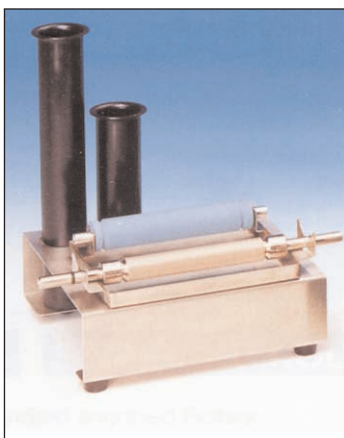
Use the KLOX Proofers to produce accurate and repeatable proofs that closely resemble conventional flexo printing. These proofers are an essential tool for ink makers and printers alike, ideal for R&D, quality control and presentation samples and computer color matching data.

Features

- Instant flexo proofs
- Easy to use, easy to clean
- Excellent repeatability
- Reduced press downtime
- Fully interchangeable rollers up to 500 lines per inch
- Manual and automatic versions available



Automatic KLOX



Cleaning and Storage Rack



Manual KLOX

When color counts, count on Grafitec.

KLOX Operation

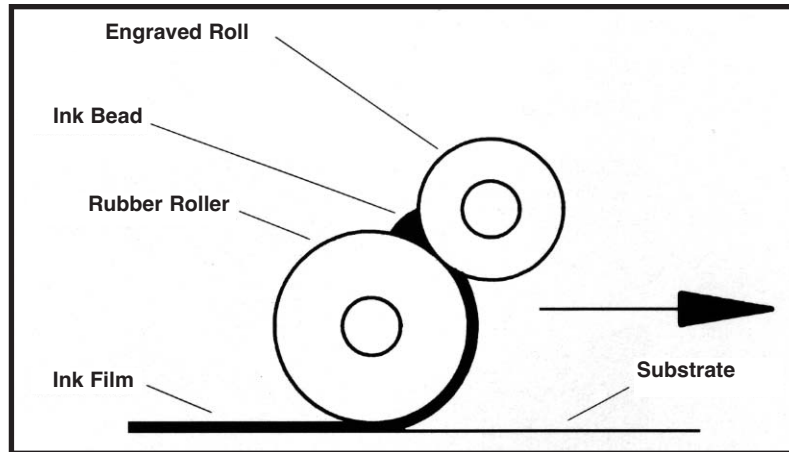
A bead of ink (or other fluid coating) is placed between an engraved anilox roll and a rubber roller, as illustrated below. It is essential to have constant pressure between the rollers for consistent prints and this is ensured by two weights.

When the KLOX unit is drawn smoothly over the substrate, an accurate ink film is printed, producing a sample up to 4.5"/11.5cm wide.

After removing the weights, both rollers

are easily cleaned.

Anilox rolls with screens for solid, line and halftone printing may be selected, as required.



Automatic KLOX Proofer

Recommended for Ink Formulation

With just a little practice, the KLOX user is able to produce consistent results with the manual unit. However, where a number of operators may be involved or when the highest degree of repeatability is demanded (for example, when using the prints for computer color matching), the Automatic KLOX Proofer is recommended. This unit eliminates any variation in speed and pressure, and an accurate print is produced every time. The unit operates at variable speeds up to 15m/min.

An air-driven version is available for use in hazardous areas.

Manual KLOX Proofer

Recommended for Quality Color Applications

The Manual KLOX Proofer provides a cost-effective and simple means to proof flexographic inks. It is available as a single unit or may be ordered as a comprehensive system: the KLOX system is complete with three standard engraved anilox rolls, two rubber rollers, and a cleaning and storage rack.

Accessories for KLOX Automatic or Manual Units

- Cleaning and storage rack for up to six rollers
- Wide-shouldered rubber roller (for use on slippery substrates, such as polyethylene)

Standard Rollers

Type	Screen cells/linear inch	Screen cells/linear cm	Volume cbm/in ²	Volume cm ³ /m ²
400/5	400	160	2.8	4.3
200/12	200	80	6.6	10.2
180/14	180	70	10.7	16.6
140/10	140	55	13.0	20.2
100/18	100	40	25.2	39.1

Other screens and wire-wound rollers can be manufactured to customer specifications.