

# ESIPROOF MANUAL PROOFER

**The Esiproof is a precision instrument for producing realistic, high-quality flexographic proofs.**

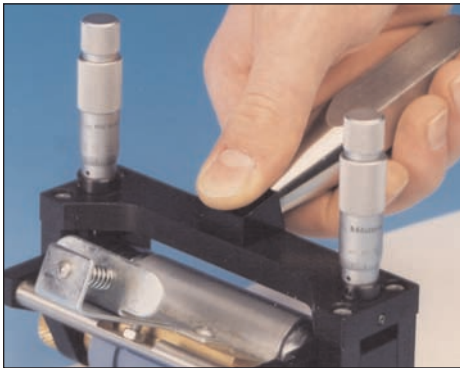
These proofs are then used for customer approval of the color and for spectrophotometer readings. Use of a doctor blade enables the proofing of all flexo inks, including high viscosity, UV-curing inks. Its steel and ceramic anilox rollers are readily interchangeable.

### Features

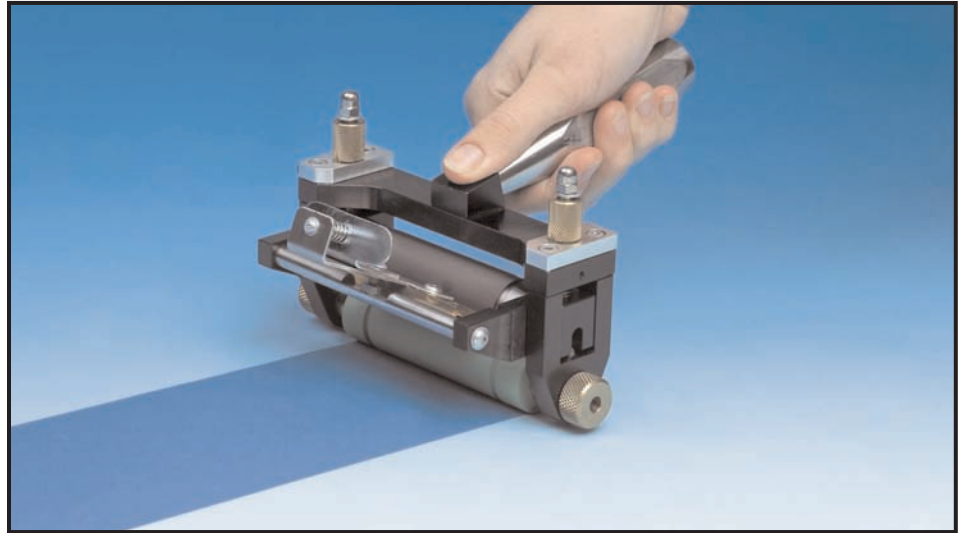
- Ceramic anilox rollers up to 850 lines/inch
- All commercial inks and substrates can be accurately proofed
- Compact size makes it ideal for on-site troubleshooting

### Operation

The Esiproof consists of a precision-engineered unit into which the anilox roller, EPDM stereo roller and doctor blade are easily positioned. The substrate to be proofed is then placed on a flat, hard surface. With a pipette, a few drops of ink are dropped into the ink reservoir which is formed by the doctor blade. The unit is then pulled over the substrate to produce a proof. Proofs up to 1 meter long can be made.



*Esiproof with Micrometers on Both Sides*



*Esiproof with Springs on Both Ends*

### Anilox Rollers

The following charts show a selection of the screen sizes and volumes that are available:

#### Steel, mechanically engraved, chrome-plated rollers

Reference ESI.11

Cells/ linear inch	Cells/ linear cm	Depth in microns	Volume* cm <sup>3</sup> /m <sup>2</sup>	Tool Reference
400	150	18	4.3	6
360	140	23	5.0	4
300	120	25	6.0	40
260	100	25	6.5	41
200	80	33	10.2	12
180	70	46	16.6	14
140	55	66	20.2	10
100	40	130	39.1	18

#### Ceramic, laser-engraved rollers

Reference ESI.12

Cells/ linear inch	Cells/ linear cm	Depth in microns	Volume* cm <sup>3</sup> /m <sup>2</sup>
800	315	6	2
700	315	9	3
600	214	12	4
500	200	14	5
400	160	18	6
300	120	20	7
200	80	35	13
140	55	48	18

*\*To calculate the volume in cbm/in<sup>2</sup>, multiply the above volume (cm<sup>3</sup>/m<sup>2</sup>) by .65*