



## ZIL 2140 Ink-Lox Proofer

- ▶ Laboratory test apparatus with various engraved and rubber rollers for application of defined layers of flexographic inks and other liquid coating materials on flat substrates
- ▶ High repeatability
- ▶ Easy to handle
- ▶ Reliable results
- ▶ Easy to clean

## ZIL 2140 Ink-Lox Walzenauftragerät

- ▶ Laborprüfgerät mit verschiedenen Raster- und Gummiwalzen zum Auftragen definierter Schichten von Flexodruckfarben und anderen flüssigen Beschichtungstoffen auf ebenen Substraten
- ▶ Gute Wiederholbarkeit
- ▶ Einfache Handhabung
- ▶ Zuverlässige Ergebnisse
- ▶ Leicht zu reinigen

Defined and reproducible film thicknesses is a precondition for testing and analysis of flexographic inks and other liquid coating materials.

Definierte und reproduzierbare Schichtdicken sind die Grundvoraussetzung für die Prüfung und Analyse von Flexodruckfarben und anderen flüssigen Beschichtungstoffen.

### Application areas

- For ink makers, printing plants and the packaging industry
- For manual print proofs and for experimental purposes

### Features

- No accidental ink spots when putting down the unit
- Ergonomic handle

### Standard delivery

- 1, 2, 3, 4 or 5 engraved rollers
- 1 or 2 rubber rollers
- 2 weights
- 1 handle with frame
- 12 o-ring seals
- 1 carrying case

### Options

- Additional rollers
- ZTC 2200 Test Charts
- ZPH 2035 Specimen Holder
- ACC410 adapter for use with ZAA 2300 / 2600 Automatic Film Applicator

### Handling

- Choose an adequate length of the substrate to enable a uniform movement of the device.
- Place the substrate on a flat surface and fix it with adhesive tape if necessary.
- Put the chosen rubber roller in the frame.
- Slip the weights on the chosen engraved roller and push them over the o-rings until the stop position is reached and insert the engraved roller in the frame above the rubber roller.
- Place some coating material on the contact area between the engraved and rubber roller.
- Disperse the coating material by turning the engraved roller at the weights to achieve a uniform width of the print proof right from the start.
- Put the device on the substrate and draw it uniformly over it, without additional pressure.
- For examination only use parts of the print proof with uniform ink application.

### Technical specification

The following engraved and rubber rollers can be supplied:

Engraved roller No.	No. of lines / Anz. Linien	Cell volume* / Volumen*	Cell depth / Zellentiefe	Rasterwalze Nr.
40	40/cm (100/inch)	ca. 16-24 cm <sup>3</sup> /m <sup>2</sup> (10.3-15.5 Billion Cubic Microns)	The cell depth is calculated by the number of lines/cm and the cell volume. / Die Zellentiefe wird aus Linien/cm und dem Volumen berechnet.	40
80	80/cm (200/inch)	ca. 8-12 cm <sup>3</sup> /m <sup>2</sup> (5.5-7.7 Billion Cubic Microns)		80
120	120/cm (310/inch)	ca. 5.5-7.5 cm <sup>3</sup> /m <sup>2</sup> (3.5-4.8 Billion Cubic Microns)		120
140	140/cm (360/inch)	ca. 4.5-6.5 cm <sup>3</sup> /m <sup>2</sup> (2.9-4.2 Billion Cubic Microns)		140
160	160/cm (410/inch)	ca. 3.5-5.5 cm <sup>3</sup> /m <sup>2</sup> (2.3-3.5 Billion Cubic Microns)		160
180	180/cm (460/inch)	ca. 3.5-5.5 cm <sup>3</sup> /m <sup>2</sup> (2.3-3.5 Billion Cubic Microns)		180

\* on request in steps of 0.5 cm<sup>3</sup>/m<sup>2</sup>

Folgende Raster- und Gummiwalzen sind lieferbar:

\* nach Wunsch in 0.5 cm<sup>3</sup>/m<sup>2</sup> Schritten

Rubber roller No.	Property / Eigenschaft	Shore hardness / Shore Härte	Gummiwalze Nr.
h	hard (rubber) / hart (Gummi)	70° Sh A	h
w	soft (rubber) / weich (Gummi)	40° Sh A	w
s	hard (silicone) / hart (Silikon)	70° Sh A	s

Material handle	plastic / Kunststoff	Werkstoff Handgriff
Material frame	anodised aluminium / Aluminium, eloxiert	Werkstoff Rahmen
Material engraved rollers	stainless steel / nichtrostender Stahl	Werkstoff Rasterwalzen
Material rubber rollers	rubber / Gummi	Werkstoff Gummiwalzen
Application width	max. 115 mm (4.53")	Applikationsbreite
Dimensions (LxWxH)	280 mm x 170 mm x 45 mm (11.02" x 6.69" x 1.77")	Dimensionen (LxBxH)
Weight	depending on version / je nach Ausführung	Gewicht
Warranty engraved rollers	1 year / Jahr	Gewährleistung Rasterwalzen
Warranty rubber rollers	1 year / Jahr	Gewährleistung Gummiwalzen
Warranty o-ring seals	none / keine	Gewährleistung O-Ringe

