



Orange Proofer X3

The IGT Orange Proofer X3 has been specifically designed for proofing offset and UV flexo inks. The X3 version of the IGT Orange Proofer enables three colour strips of different film thickness to be laid onto one test strip in quick succession.

Ideal for the fast assessment of light, standard and dark colour samples, the IGT Orange Proofer X3 can be used on a variety of substrates including paper, board, film, plastic, laminate and directly onto aluminium cans.

Applications

The IGT Orange Proofer:

- makes three consecutive colour strips of ink with a known ink layer thickness
- gives a high degree of simulation to on-press performance for print quality mottle and set-off
- is specifically designed for computerised colour measuring, spectrophotometers, colour matching systems and visual appraisal
- takes density measurements including establishing colour density tolerances and determination of coverage, wear resistance, scratch resistance, flexibility, adhesion and gloss, ink transfer (g/m^2), light fastness and resistance to chemicals
- is used in the printing ink, paper and board, print, metal, plastics and packaging, resin, lacquer, coatings and raw materials industries

Features

- Inking and printing on a single application
- Reliable, repeatable and reproducible results
- Inking unit with two aluminium drums and top roller for conventional inks
- Complies with CE standards

Operation

The IGT Orange Proofer consists of an inking section and a printing unit. Ink is applied to the top roller of the inking section and distributed within 30 seconds. The printing disc is then positioned on the top roller and, after 15 seconds of inking-in, is placed on the printing shaft. The test material is attached to the substrate carrier and placed underneath the shaft of the printing disc. The print is made automatically after the printing force has been applied.

The printing disc on the shaft is then moved out for two further print positions and two more prints are made onto the same test piece.



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Technical data

Inking section

Two aluminium drums with top roller

One aluminium drum driven

Top roller – elastomer for conventional inks
rubber for UV-curing inks

Short inking time: inking 30 s and printing disc 15 s

Easy to clean

Printing section

Printing speed 0.3 m/s

Printing force 100–800 N

Printing length 200 mm

Printing width 15 mm

Maximum substrate thickness 4 mm

Independent drive

Discs – printing width 15 mm

Range of discs available:

- for UV inks, disc with rubber or a rubber blanket
- for conventional inks, disc with coated rubber or a rubber blanket

Physical specifications

Weight 25 kg

Dimensions 620 × 350 × 320 mm (W × D × H)

Power requirements

115/230 V, 50/60 Hz

Option

The IGT ink pipette is recommended for applying ink to the top roller. This significantly increases the accuracy of the ink application and the results of the tests. The IGT ink pipette HR is available for even greater accuracy.



Applying ink with the IGT ink pipette



Inking the printing disc



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