

# IGT C1 Printability tester

Tester for offset inks



## Quality control and research

C1 family

**IGT**  
TESTING SYSTEMS



## Tester for offset inks

IGT Testing Systems supplies the C1 printability testers for offset inks. These testers are easy to operate and very successful all over the world. The C1 makes colour strips with offset inks with a known ink film thickness, which can be used for many purposes. It has especially been designed for use in colour measuring and colour matching systems. The C1 saves on costs (down time of the printing presses and waste of materials), because colour testing on the printing presses is no longer necessary.

The C1 printability testers are used in the ink laboratories to produce colour strips in a very reproducible way. These strips are suitable to test many properties as e.g.

- Colour and transparency
- Ink transfer in  $\text{g}/\text{m}^2$
- Density, covering power, wear resistance, scratch resistance, flexibility, adhesion, gloss, light fastness, resistance to chemicals
- Set off, mottle, striking through, print quality
- Visual appraisal

# Reliable and sturdy construction

## C1 family

The IGT printability testers of the C-type consist of a printing unit with an integrated inking unit and a separate printing form. The printing force can be adjusted between 100 and 1000 N. The standard C1-5 is designed for a maximum printing width of 50 mm. With the Cx3 it is possible to print three strips, of 15 mm wide, besides each other with a distance of only 1 mm between. With this device a strip can be printed with the desired density or colour and two other strips, with e.g. the plus and minus tolerances, all on one sample.



IGT Cx3 with a three strips print



IGT CG1 with a doctor blade

The IGT CG1 tester combines the C1-5 with a gravure printer. A print can be made with offset ink as on the C1-5 and after replacing the rubber printing disc by an anilox and mounting a doctor blade on it, the same print can be coated with a varnish or laquer. This way a print is created with 1/4 of the original printed colour and 3/4 over-varnished. On request the Gravure option can be made to fit on other C1 models.

## Printing cans and tubes

All C1 testers allow to print on cans with a diameter between 63 and 68 mm. The CTx3 is especially designed to print three strips of 15 mm, besides each other, directly on cans and tubes with a diameter between 16 and 68 mm. This unit is equipped with an easy exchangeable impression cylinder to slide the tin or tube on.



IGT CTx3 with a print on can

# Technical data

## C1 family

### Specifications

|                           | C1-5   | CG1-5      | Cx3        | CTx3       |
|---------------------------|--|------------|------------|------------|
| Printing disc width       | 50 mm  | 50 mm      | 3x15 mm    | 3x15 mm    |
| Printing on cans/tubes    | 63 - 68 mm                                   | 63 - 68 mm | 63 - 68 mm | 16 - 68 mm |
| Max substrate thickness   | 4 mm   |            |            |            |
| Print length              | 200 mm                                       |            |            |            |
| Printing force            | 100 - 1000 N in steps of 50 N                |            |            |            |
| Printing speed            | 0.3 m/s                                      |            |            |            |
| Top rollers               | Elastomer for conventional or UV-curing inks |            |            |            |
| Weight                    | 35 kg  |            |            |            |
| Dimensions (HxWxD)        | 300x650x400 mm                               |            |            |            |
| Power supply requirements | 90 - 240 V / 50 - 60 Hz                      |            |            |            |



IGT Testing Systems

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Research, development  
and production of testing  
equipment for the printing  
and allied industries