



RT4 Rub and Abrasion Tester

Applications

- Ink manufacturers
- Printers
- Printed packaging
- Packaging developers

RT4 Rub and Abrasion Tester

DURABILITY OF – INKS • COATINGS • PRINTED CARTONS & FILMS • LABELS

The RT4 rub and abrasion tester was designed by Hanatek to increase the efficiency and repeatability of rub proof testing.

The instrument is used for testing the ink / print, marking and rub resistance of cartons, films and commercial printed material.

It is also used for checking the cure and adhesion of UV inks and coatings.



METHOD OF OPERATION

The instrument platen and test head are driven at an identical speed of 1 rev/sec. This creates a very even abrasion between the top surface and the entire area of the larger test sample.

An air hose blows away sample test debris to ensure no additional abrasion from loose ink particles affects the results.

After testing, the 2 samples are visually analysed.

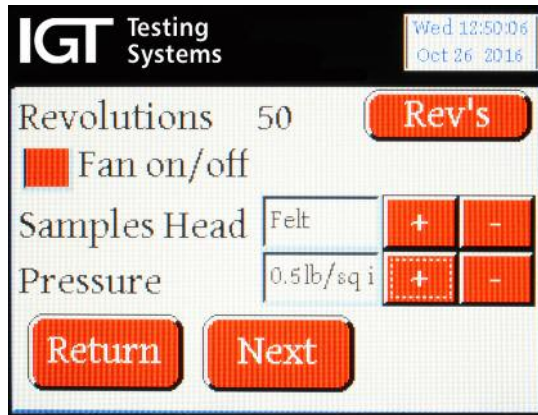
FEATURES

The instrument is supplied as standard with the felt measuring head and pad.

This is suitable for the face to face (printed surface to printed surface) method described in BS 3110 and also the printed surface to reference material such a Mellotex.

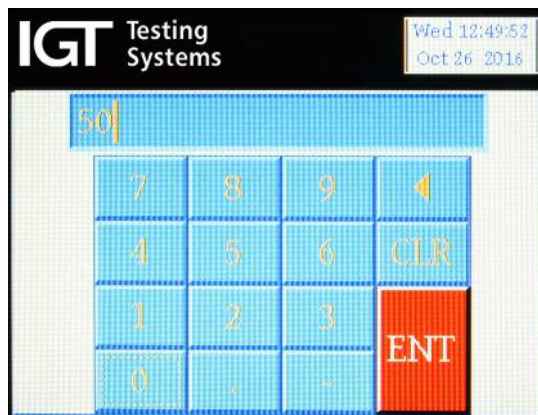
Touch screen operated

Intuitive touch screen operation ensures incredibly quick configuration of test parameters.



Automatic abrasion cycles

The cycle time is pre-programmed allowing the test to run unsupervised.



ADDITIONAL TESTS

Alternative measuring heads/pads are available for conducting:



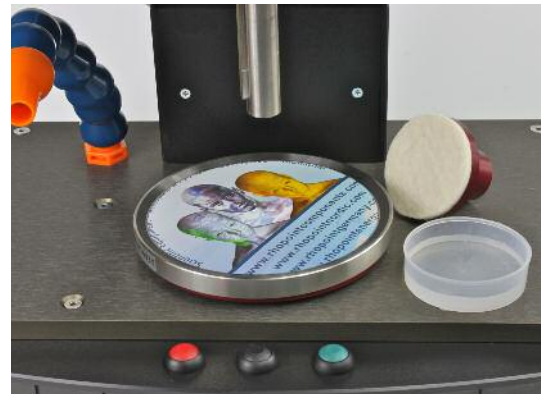
Abrasion test

This test is to check the through cure of coatings and UV varnish. This test will mimic the effect of transportation on printed material.



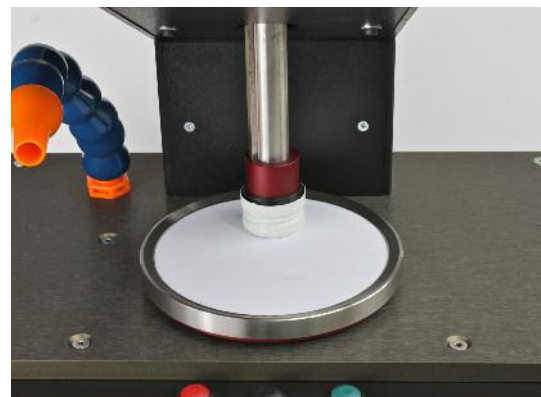
Wet rub test

This test checks for coating resistance to water/solvent.



Bottle lid test

This test checks for the rub resistance of metal and plastic bottle lids.



SAMPLE PREPARATION

Sample cutters:

- Sample templates for 50mm and 115mm ϕ (included with instrument).

Suitable for low volume testing.



- Universal sample cutter. Allows for simultaneous cutting of 50mm and 115mm ϕ samples.

Suitable for all types of sample thickness and medium to high volume testing.



APPLICATIONS



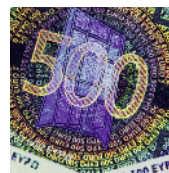
Bar code labels



Security printing



Printing inks



Holograms



Films



Newspaper



Magazines



Printed packaging

RT4 Rub and Abrasion Tester

RT4 SPECIFICATION

Standards	BS 3110
Weights	0.5, 1.0 and 2.0 Psi pressure
Certification	UKAS traceable calibration certificates (Instrument and test masses)
Warranty	Free extended two year comprehensive warranty as standard
Power	110/240V 50/60Hz
Net weight	10kg max
Dimensions	(H) 510mm x (W) 450mm x (D) 420mm
Packed weight	16kg
Packed dimensions	(H) 420mm x (W) 350mm x (D) 250mm
Commodity code	9024 8011

ORDER CODES

Description	Part Code
Rub & Abrasion Tester	HAN-A1002RUBTESTER
Sample Cutter	RL-A80-005
Wet test attachment	HAN-B1002RT4HEAD-W
Scratch test attachment	HAN-B1002RT4HEAD-S
UK Printer	HAN-B-PRINTER240
EU Printer	HAN-B-PRINTER240/EU
USA Printer	HAN-B-PRINTER115



Certificate no: FM 29741
ISO 9001:2008

OPTIONAL ACCESSORIES

Results printer



Simple reporting of results which can be attached to retained samples

- Wet head attachment
- Scratch head attachment
- Universal sample cutter

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