

Thwing-Albert

INSTRUMENT COMPANY

AccuTack™ Inkometer

The AccuTack Inkometer utilizes advanced technology to provide the highest accuracy for testing of ink tack. Based on Thwing-Albert's existing Inkometer platform, the AccuTack is designed to provide test results that will correlate with Inkometers currently in the field including the MBC, Model 101 and Model 106. Ideal for R&D, quality control and process evaluation, the AccuTack simulates the dynamic conditions that occur in the printing process.

Advanced Controls

The AccuTack Inkometer combines a user-friendly, touch-panel interface display with an advanced industrial computer that operates with a Microsoft Windows CE operating system.

With the power of a Windows CE platform, the touch-panel interface simplifies the entire test process. In conjunction with a solid state computer designed for use in harsh environments, high temperature, shock, and vibration, the AccuTack provides an extremely robust test system.

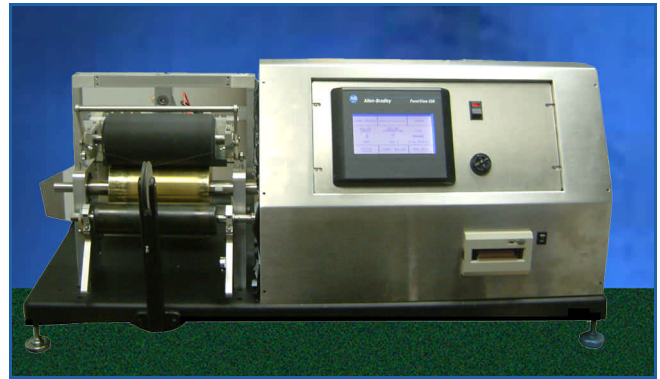
Simplified Testing

Quickly define test parameters through the user interface, select the required test method, apply the ink to the distribution roller and press the "RUN TEST" button. The AccuTack initiates the ink distribution phase and then automatically shifts to the defined test speed.

At the completion of the test, a tack vs time curve is displayed, and the tack results are shown in gram-meters, printed and output to a PC.

Update Existing Inkometers

Existing Thwing-Albert Electronic Inkometers can easily be updated to include AccuTack electronic components. This provides enhanced test capabilities at a fraction of the cost of purchasing a new unit.



AccuTack Components. The AccuTack consists of an upper measurement roller, a constant temperature circulator and an ink distribution roller. The measurement and distribution roller are both covered in a highly durable composition and are suitable for testing all printing inks having definite plastic properties and containing no volatile thinners. Optional rollers are available for testing UV inks. The temperature is controlled by circulating water through the central metal roller. The water bath is an external unit that utilizes a refrigerated bath circulator with a stainless steel reservoir.

Features:

- Touch-screen user interface with Windows CE operating system
- Industrial PC Controller ensures a robust test system
- Electronic Auto Zero
- Password Protection for user and administrator level personnel
- Electronic Auto Calibration
- Multiple predefined methods for automatic testing
- Interface to capture and store ink stability curve and tack results
- Built-in printer
- Stainless steel construction for easier clean-up and increased durability
- UV Ink rollers (optional)

Standards:

ASTM D4361

Options

Recorders

A single-pen chart recorder and an X-Y recorder are available.

Optional Output

RS-232 output is available as replacement options for multiplexed BCD.
RSLinx[®] Communication using serial interface to PC.

Physical Specifications

AccuTack Inkometer

Dimensions 18 in D x 36 in W x 18 in H
(457 mm x 914 mm x 457 mm)

Gross Weight 333 lb (151 kg)

Net Weight 272 lb (124 kg)

Temperature Controller

17.5 in D x 8.5 in W x 21 in H
(455 mm x 216 mm x 533 mm)

63 lb (28.6 kg)

55 lb (25 kg)

Performance Data

Inkometer:

Roller Testing Speeds - Variable

150 to 3000 RPM
(35.9 to 718.2 m/min)
(117.8 to 2,356.2 ft/min)

Roller Distribution speed

Nominal 150 RPM (35.9 m/min / 117.8 ft/min)

Roller Set

Total surface area of 106 square in. (2692.4 mm)

Power Consumption

Operating at 800 RPM: 2.8 Amp
Operating at 1200 RPM: 3.4 Amp
Operating at 3000 RPM: 4.0 Amp
Standby: 0.22 Amp

Power Requirements

Standard: 115 V \pm 10%, 60 Hz
Optional: 220 V \pm 10%, 50 Hz

Circuit Breaker Ratings

Main: 15 Amp Secondary: 0.5 Amp

Temperature Controller:

Water Temperature Settings

90° F (32.2° C) or variable

Water Temperature Range

-4° to 305.6° F (-20° to 150° C)

Heat Adjust Control

100 to 1000 watts

Reservoir Capacity

2.5 gallons

Power Consumption

5.5 Amp at steady state



Thwing-Albert

INSTRUMENT COMPANY

Representante Oficial para América do Sul
REGMED INDÚSTRIA TÉCNICA DE PRECISÃO LTDA

tel: + 55 11 3601-5700

fax: + 55 11 3601-5973

regmed@regmed.com.br

www.regmed.com.br

www.thwingalbert.com