

# 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 userfriendly, 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, 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

*Printing inks*

## Physical specifications

### Inkometer

#### Dimensions

46 x 91.5 x 46 cm (DxWxH)

#### Net Weight

124 kg

### Temperature controller

#### Dimensions

45.5 x 21.5 x 53 cm (DxWxH)

#### Net Weight

25 kg

## Options

- UV ink rollers
- Recorders  
a single-pen chart recorder and a 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

## Standards

**ASTM D4361**

## Performance data

### Inkometer

#### Roller testing speeds - variable

150 to 3000 RPM (35.9 to 718.2 m/min)

#### Roller distribution speed

Nominal 150 RPM (35.9 m/min)

#### Roller set

Total surface area of 269.24 cm

#### Power consumption

Operating at 800 RPM: 2.8 A

Operating at 1200 RPM: 3.4 A

Operating at 3000 RPM: 4.0 A

Standby: 0.22 A

#### Power requirements

115 V  $\pm$ 10%, 60 Hz

220 V  $\pm$  10%, 50 Hz

#### Circuit breaker ratings

Main: 15 A secondary: 0.5 A

### Temperature controller

#### Water temperature settings

32.2° C or variable

#### Water temperature range

-20° to 150° C

#### Heat adjust control

100 to 1000 W

#### Reservoir capacity

9.5 liter

#### Power consumption

5.5 A at steady state

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