

# Kershaw Instrumentation LLC

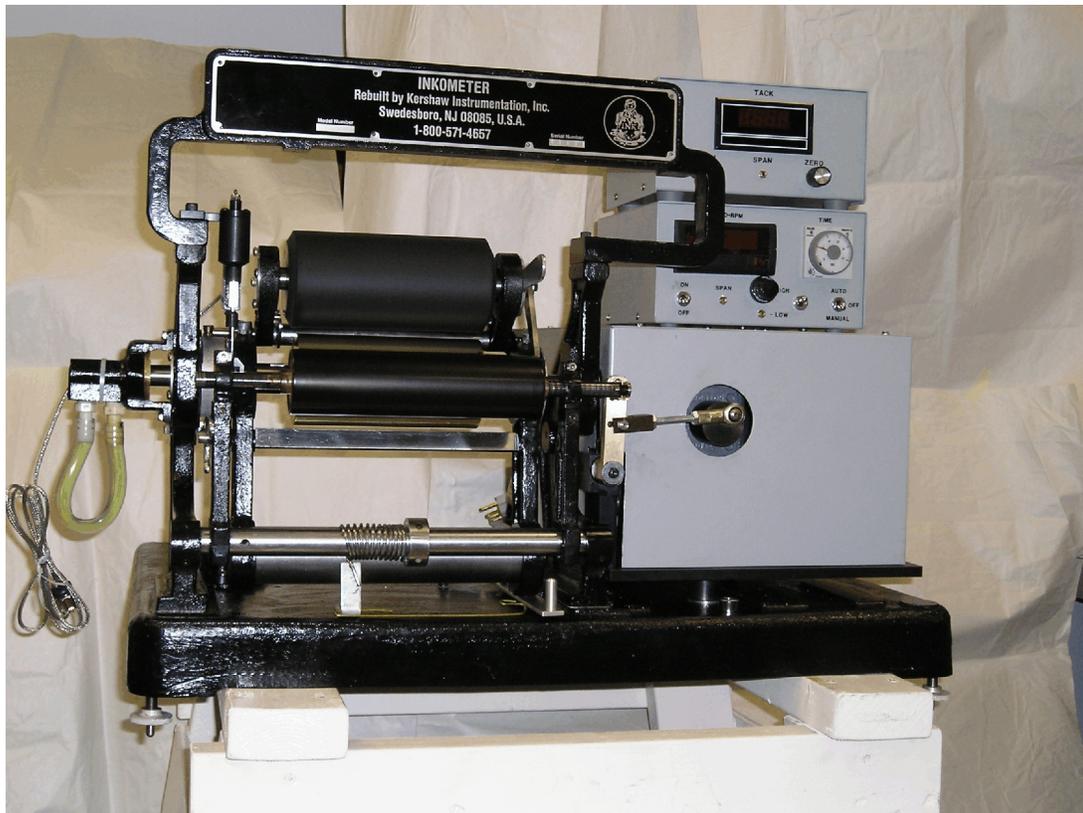
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## Accessory A2- Mechanical Inkometer Upgrades

Kershaw Instrumentation Inc. offers several upgrade conversion kits for the Mechanical Inkometer. Some of these kits can be installed in the field by the customer, or by our service personnel. Other kits may require you to send the tester to Kershaw for installation. We can often provide you with a loaner Inkometer and in some cases we simply make an exchange. Please feel free to contact us about converting your Mechanical Inkometer.

### MECHANICAL INKOMETER UPGRADES



### **TIC90 Temperature Controller**

The TIC90 is designed to eliminate the original mechanical thermostat and relay. It provides an electronic temperature controller with no moving parts or contacts to wear out. A digital display is provided on the unit to indicate the water temperature. A digital set point is provided for setting the water temperature.

### **Digital Tack Indicator**

The Digital Tack Indicator replaces the mechanical balance beam assembly on the Inkometer and provides the operator with a continuous digital reading of the tack. A span adjustment is provided on the instrument to allow the operator to calibrate the Inkometer to a calibration bar or tack standard ink.

The Digital Tack Indicator consists of a load sensor and an electronic indicator. The sensor monitors the force on the top roller generated by the ink shear. This force is indicated on a digital indicator in GRAM-METERS. This conversion kit only requires a few minutes to install on an Inkometer and does not require any modifications to the tester. An analog voltage output is provided on the rear panel of the instrument for connecting the Digital Tack Indicator to a strip chart recorder, data logger, or computer.

### **VS2000 Variable Speed System**

The VS2000 replaces the existing motor and gearbox on your Inkometer and provides a variable speed drive system that provides extremely quiet operation at speeds from 0 - 2000RPM. A digital display is provided to indicate the brass roller speed in RPM. There are 2 speed settings [high and low] that can be set to the desired operating speeds by the operator. A high/low speed switch is provided to allow the operator to select the desired speed. An automatic speed mode is provided which features a distribution timer. The operator presets the distribution timer to the desired dwell time. The VS2000 will automatically run at this low