



Trico (formerly Predict) has reinvented the technology to set the world standard.

# FM [Ferrogram Maker]

The newly redesigned Ferrogram Maker FM-6 dual slide maker is used in the first step in Analytical Ferrography. For greater productivity, the Ferrogram Maker FM-6 is designed with two independent stations permitting two samples to be prepared concurrently.

Each station includes a holder which accurately positions a substrate at a slight incline over a newly designed magnet, allowing particles to deposit from largest to smallest on a Ferrogram. This deposition pattern provides good resolution of large and small particles which facilitates a diagnosis of potential wear problems. Ferrogram preparation can be done automatically, semi-automatically, or manually at the operator's option. In the automatic mode, the sample is deposited on the Ferrogram at a carefully controlled rate. At the end of the sample deposition cycle, the wash cycle is automatically initiated, and an audio and visual signal indicates completion of the Ferrogram. The semi-automatic and manual modes provide flexibility and further operator control to perform unusual samples such as greases and aqueous solutions.

## BENEFITS:

- 7" LCD display with a more modern look and feel
- Easy-to-use touch screen interface
- New design includes a smaller footprint
- USB and Ethernet connections
- Simple instrument set-up and operation

## FEATURES:

- Automatic operation releases labor for other tasks
- Simultaneously produces two Ferrograms in less than 20 minutes
- Ferrograms are transparent, allowing differentiation of metallic, organic, and non-metallic particles, for easy diagnosis
- Particles are sorted by magnetic susceptibility and size enabling quick interpretation
- Very little particle stacking occurs ensuring observation of important particles, critical to machine condition

## FM-6 FERROGRAPH SPECIFICATIONS:

Depth ..... 16 in.  
Width ..... 14 in.  
Height ..... 15 in.  
Weight ..... 27 lbs.  
Power ..... 100-240 V. 50/60 Hz.



## INSTRUMENTATION

### BENEFITS:

- Diagnosing the origin, characteristics, and source of wear particle debris
- Identifying lubricant contamination problems before costly damages occur
- Helping maintenance personnel monitor deterioration to get maximum use out of wearing components without risking secondary damage
- Predicting potential failure early, so the appropriate personnel can schedule timely repairs without negatively impacting production schedules
- Reducing part inventory requirements and routine preventative overhauls through early predictions of wear that accurately identify wearing components