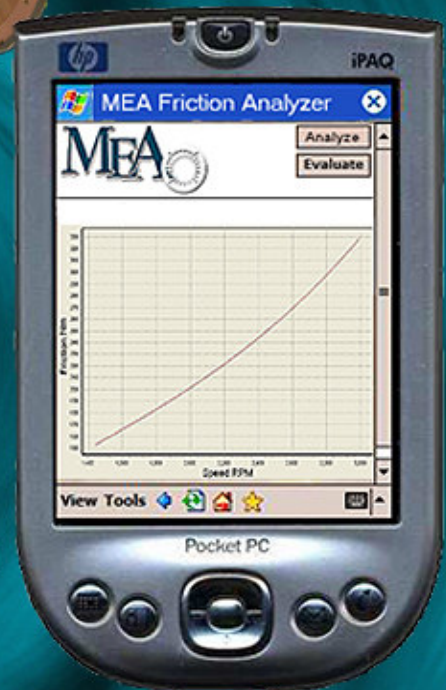


# M-FA®

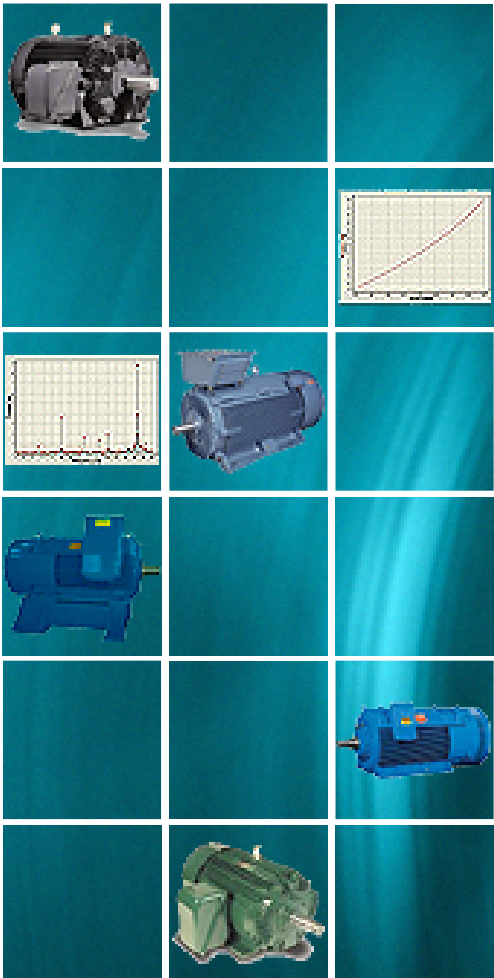
Friction Analyzer for Predictive Maintenance

AC Three Phase  
Medium Voltage and High  
Voltage Motor Tester

Predictive Maintenance  
Electric Motor Performance  
Testers



U.S. and International Patented System



**93950 Series** - Three Phase Motor Tester from 100kW up to 3000kW with current & voltage transducer

**93960 Series** - Three Phase Motor Tester from 3000kW up to 8000kW with current & voltage transducer

**93970 Series** - Three Phase Motor Tester from 8000kW up to 20000kW with current & voltage transducer

## Features and Benefits

- Friction analysis for predictive maintenance without coupling to encoder or external load.
- Provides friction torque and friction spectrum.
- Provides speed and torque spectrum.
- Spectrum of speed and torque for a wide band of frequencies.
- Motor power switching is done by the user.
- Protected against motor short circuit.
- Displays results in table and graphic form.
- Allows uploading measurement results to PC for further analysis.
- Motors can be tested inside their applications.
- Low-cost, simple, easy-to-use, and highly sophisticated on-site tester, in the palm of your hand.
- Easily operated by novice and experienced users.
- Universal PDA platform with user-friendly Windows™ Mobile OS.

Application Testers



M.E.A. Testing Systems Ltd.  
[www.meatesting.com](http://www.meatesting.com)

**General Specifications**

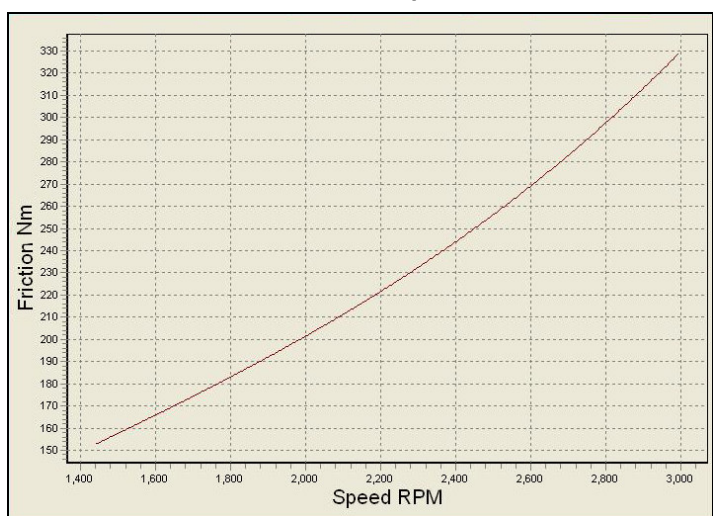
<b>Platform</b>	Universal PDA platform
<b>Operating System</b>	Windows TM Mobile OS

**Performance Tests**

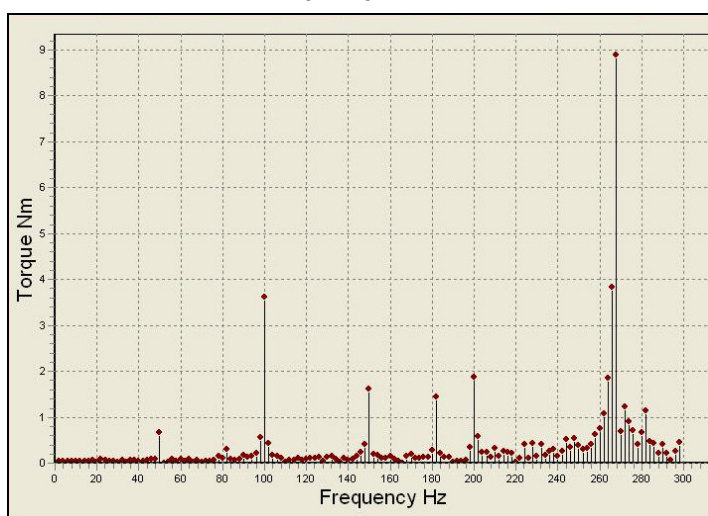
<b>Supported Tests</b>	Speed and torque spectrum, friction torque, friction spectrum
<b>System Accuracy</b>	± 0.2%
<b>Torque Range</b>	Not limited
<b>Sensor</b>	Not needed
<b>External Load</b>	Not needed

**Friction Analysis for Predictive Maintenance test examples**

**Friction vs. Speed**



**Torque Spectrum**



**Powerful, Yet Simple**

An advanced service instrument, based on the universal PDA platform, MEA's new M-FA® Friction Analyzer for Predictive Maintenance gives you the power to obtain torque friction results and assessments, in a very quick and simple way, without the use of encoder or external load.

It measures friction and displays analytical results, giving you the capability to identify previously undetected mechanical and magnetic problems and defects, to assess Medium and High Voltage AC Three Phase motor condition on-site, and to give adequate solutions to the underlying causes.

**Simply Powerful**

With MEA M-FA® Friction Analyzer for Predictive Maintenance, you have all you need in the palm of one hand.

Application Testers

- Customized solutions
- Customer support
- Technical services
- 1-Year warranty
- Optional extended warranty program
- Local sales offices throughout the world



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