

# FII 2000 SERIES

## Cylindrical Component Testing System



### Automated testing of cylindrical components

Inspecting for surface defects has become standard in the automotive industry where quality control is paramount. To monitor those strict manufacturing tolerances, FOERSTER has developed the STATOGRAPH® ECM eddy current testing device. The FII 2000 series test system is a user-friendly mechanical system designed to integrate directly with an existing production line or operate stand-alone. The integrated STATOGRAPH ECM is optimal for testing needle bearings, valve guides, or piston rods for surface defects. The same technology is also available in the FII 200 as a portable table-top unit.

### Operating principle

The FII 2000 is a customizable platform which tailors to suit the requirements of the respective application. The test system uses a rotating belt to transfer individual pieces through the system and past non-contact sensors and probes. A simple manual or automated adjustment of the sensor position allows testing of components with a diameter of approx. 10 mm - 30 mm.

Each system also has a user interface which stores recipes for each tested part number. Once the recipe is loaded, and the sensor position is adjusted, the system is ready to test.

### Technical Data

- Material diameter 10 mm - 30 mm
- Length of the test material 150 mm - 500 mm
- Suitable for test material with burr-free surface, completely dry and without impurities
- Throughput speed depending on the test error definition
- Dimensions (WxHxD) 1.6 x 1.4 x 1.5 m

For a comprehensive consultation on the use of the FII 2000 series test system in your production line, please contact us.

## Worldwide Sales and Support Offices



### Headquarters

- Institut Dr. Foerster GmbH & Co. KG, Germany

### Subsidiaries

- Magnetische Pruefanlagen GmbH, Germany
- FOERSTER France SAS, France
- FOERSTER U.K. Limited, United Kingdom
- FOERSTER Italia S.r.l., Italy
- FOERSTER Russland AO, Russia
- FOERSTER Tecom s.r.o., Czech Republic
- FOERSTER (Shanghai) NDT Instruments Co., Ltd., China
- FOERSTER Japan Co., Ltd., Japan
- NDT Instruments Pte Ltd, Singapore
- FOERSTER Instruments Inc., USA

The FOERSTER Group is being represented by subsidiaries and representatives in over 60 countries – worldwide.

### Magnetische Pruefanlagen GmbH

In Laisen 65  
72766 Reutlingen  
Germany  
+49 7121 1099 0  
info@mp-ndt.de  
www.mp-ndt.de

