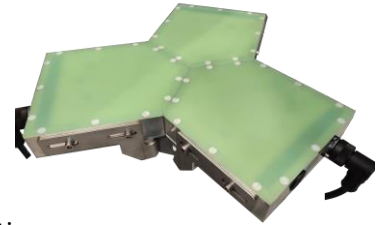


Rotating field demagnetizer RFS

The RFS rotating field coil system is particularly suitable for demagnetizing roller bearing rings or other rotationally symmetrical parts. The rotating field causes the rings to be fluxed in the magnetically optimal direction, which leads to very good results after demagnetization.

Rotating field coil system RFS03:

- Rotating field coil system consisting of 3x coil RFS03
- Automatic demagnetization with pulse technology (stationary)
- Suitable for ring outer diameter approx. 100mm...300mm
 - One-sided demagnetization: ring height <40mm
 - Demagnetization on both sides: ring height \geq 40mm
- Typical pulse duration range: approx. 1s...7s, depending on application
- Typical pulse rate: approx. 1 pulse/4s to 1 pulse/30s, depending on application
- Dimensions 3 x RFS03 LxWxH: approx. 460x410x42mm

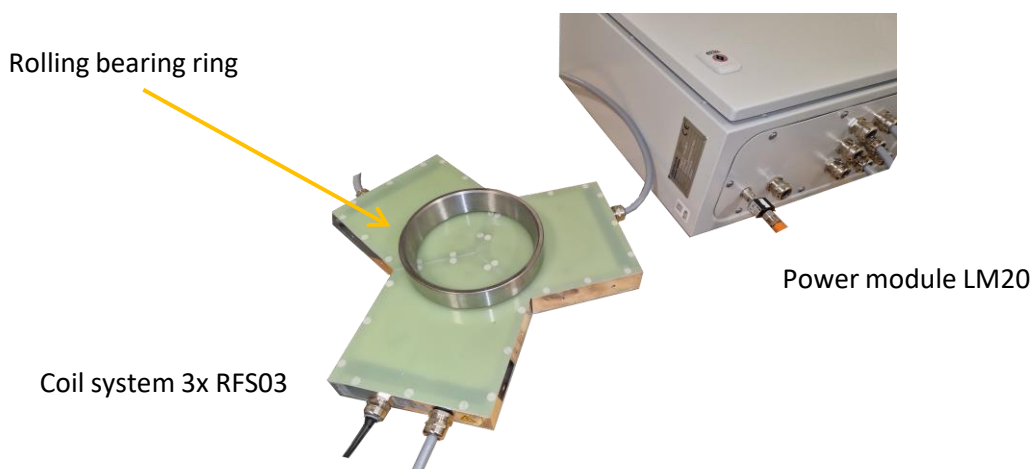


Power module LM20:

- Generates demagnetizing pulse in the 3x coils RFS03
- Control: PLC
- Interface: 24VDC, D-Sub24 (others on request)
- Electrical connection: 200...240VAC 50/60Hz, 16A
- Dimensions LxWxH: 500x400x210mm (Rittal control cabinet)

Technical specifications:

- Pulse demagnetization with rotating magnetic field
- Uniformly low residual magnetism after demagnetization (ideal for subsequent eddy current applications)
- Short pulse durations can be realized (approx. 1s)
- Easy to integrate and automate
- Suitable for manual operation (practically eliminates operating errors)



Integration example Flexitest (company N-Dect GmbH)

The RFS rotating field coil system was developed together with the company N-Dect GmbH. The Flexitest systems from N-Dect are used for eddy current testing of rolling bearing rings and other rotationally symmetrical parts. The RFS rotating field coil system, for example, can be directly integrated into the N-Dect Flexitest systems.

