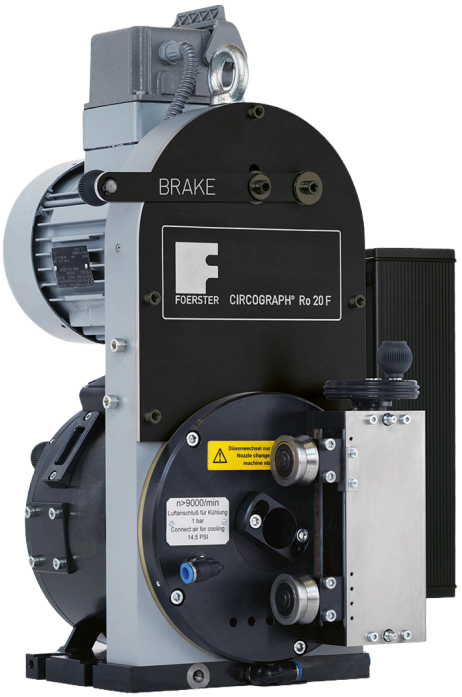
FOERSTER

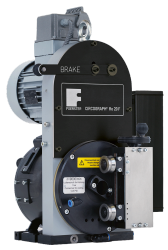
CIRCOGRAPH HIGH-SPEED ROTATING HEADS

High-throughput rotating sensor systems for contactless eddy current inspection



CIRCOGRAPH HIGH-SPEED ROTATING HEADS

High-throughput rotating sensor systems for contactless eddy current inspection





Maximum throughput without compromising detection sensitivity. The CIRCOGRAPH Ro 20 F high-speed rotating head has been developed for applications requiring maximum throughput without compromising inspection quality. Designed for the contactless inspection of tubes, bars and wire with diameters from 2 to 20 mm, it reliably detects longitudinal surface defects directly during production.

Four probes arranged at 90° around the test material enable inspection speeds of up to 6 m/s while maintaining complete surface coverage.

Even the smallest longitudinal defects from approximately 30 µm can be detected reliably and displayed over their full length with high resolution.

Thanks to its modular design and identical center height to the standard Ro 20 rotating head, the Ro 20 F can be integrated easily into existing production lines or used as a direct replacement to increase production capacity.

YOUR ADVANTAGES AT A GLANCE

Maximum throughput: Inspection speeds of up to 6 m/s significantly increase production output.

High detection sensitivity: Reliably detects longitudinal surface defects from approximately 30 µm.

Four-probe configuration: Four probes positioned at 90° ensure complete surface coverage at high speeds.

Wide material compatibility: Suitable for ferromagnetic, austenitic and non-ferromagnetic tubes, bars and wire.

Application-specific track widths: Available with 1.5 mm, 2.5 mm and 5 mm track widths.

Easy system upgrade: Modular design with identical center height enables quick replacement of standard rotating heads in existing production lines.

TECHNICAL INFORMATION

MATERIAL DIAMETER:	2 – 20 mm
SUITABLE MATERIALS:	Ferromagnetic, austenitic and non-ferromagnetic tubes, bars and wire
MAXIMUM INSPECTION SPEED:	Up to 6 m/s (5 mm track width)
NUMBER OF PROBES:	4
PROBE ARRANGEMENT:	Four probes positioned at 90°
TRACK WIDTHS:	1.5 mm, 2.5 mm or 5 mm

FOERSTER



foerstergroup.com

The FOERSTER Group is represented by subsidiaries and representatives in over 60 countries worldwide. You can find a complete overview on our website.

Headquarters
Institut Dr. Foerster GmbH & Co. KG

In Laisen 70
72766 Reutlingen
Germany

+49 7121 140 0
info@foerstergroup.com

© Copyright 2026 – Copyright notice: All contents of this work, in particular texts, photographs and graphics, are protected by copyright. Unless explicitly stated otherwise, the copyright lies with Institut Dr. Foerster GmbH & Co. KG. Please contact us if you wish to use any part of this work.

Generated: 2026-11-02 04:21:36