

*Automatic crack detection on  
**piston pins**  
with the eddydetector® 2-channel*



*Range of parts to be tested*

*Range of parts : Piston pins, ground  
Diameter: 15 ... 40 mm  
Length: 45 ... 100 mm*

*Crack specification : Depth: 0.050mm  
Width: 0.075mm  
Length: 3.750mm  
Orientation: longitudinal  
and circumferential*

*Special features : Non-contacting crack detection  
with 2-channel rotating head  
**eddyscan® H63**  
Speed of rotation: 3,600 rpm  
Change-over time: ≤ 10 min.*

*Performance : Test speed: 50mm/sec.  
Test rate: 1,800 ... 4,500 parts/h  
(depending on parts length)*



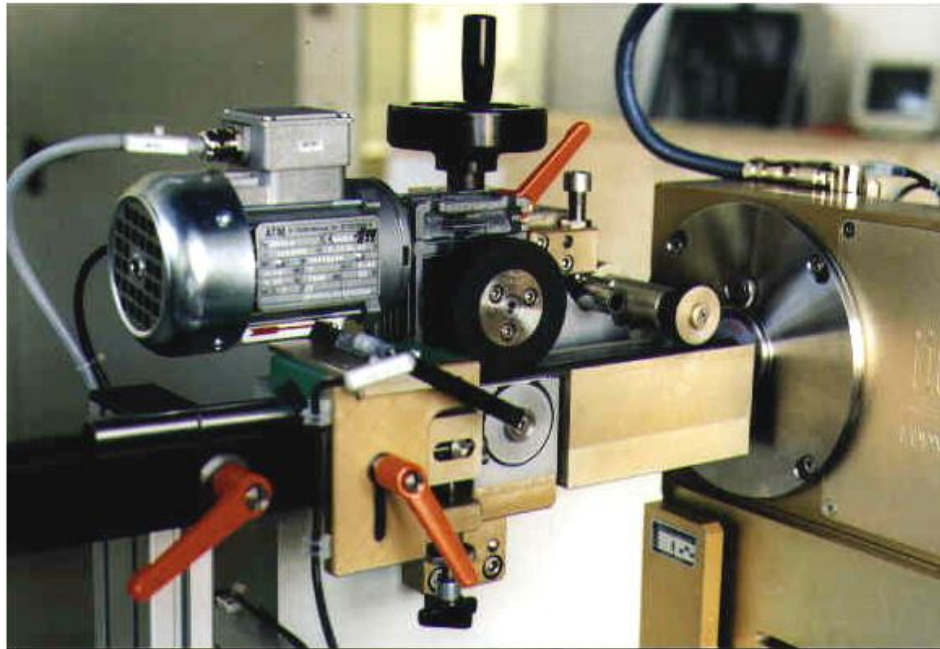
*Framework construction is ibg standard: separate control cabinets for test electronics and electrical components.*

*Test routine:*

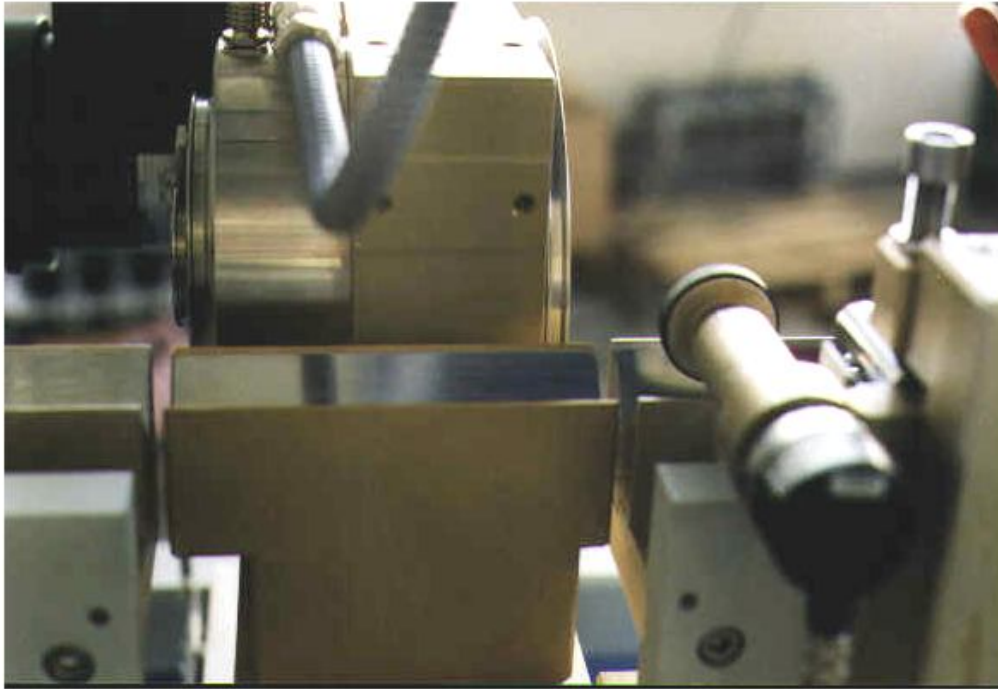
*The piston pins are fed to the test system horizontally on a conveyor belt. After they have passed the demag coil, they are guided into the rotating head **eddyscan® H63** by a transport roller. Here, they undergo a continuous non-contacting inspection for longitudinal and circumferential cracks. On the following discharge belt, the parts are sorted onto the NOK parts chute or go on to the further parts flow - depending on the sorting decision taken by the test instrument.*



*Feed, demag coil, driving rollers, rotating head **eddyscan**<sup>®</sup>H63 with height-adjustable maintenance slide, lockable NOK parts chute, OK parts discharge.*



*Driving roller with feed to rotating head **eddyscan**<sup>®</sup>H63.*



*Rotating head eddyscan® H63 in maintenance position with bypass function.*



*Easy change-over to different parts diameters by exchangeable guide tubes.*