

*Semiautomatic crack inspection on
hip implant balls
with the **eddydetector**[®]*

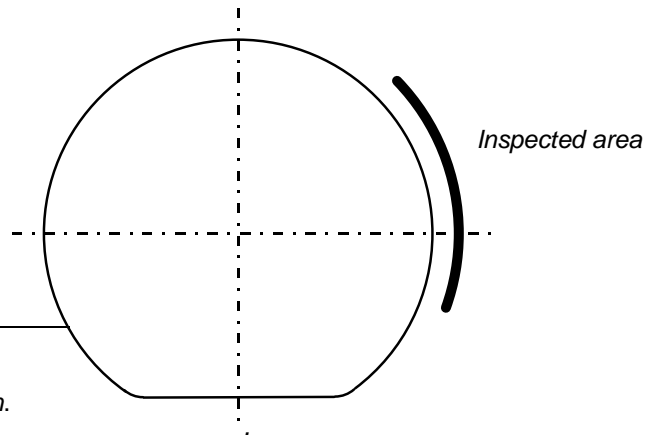
Crack specification:

*Depth: 0,050mm
Width: 0,075mm
Length: 3,750mm*

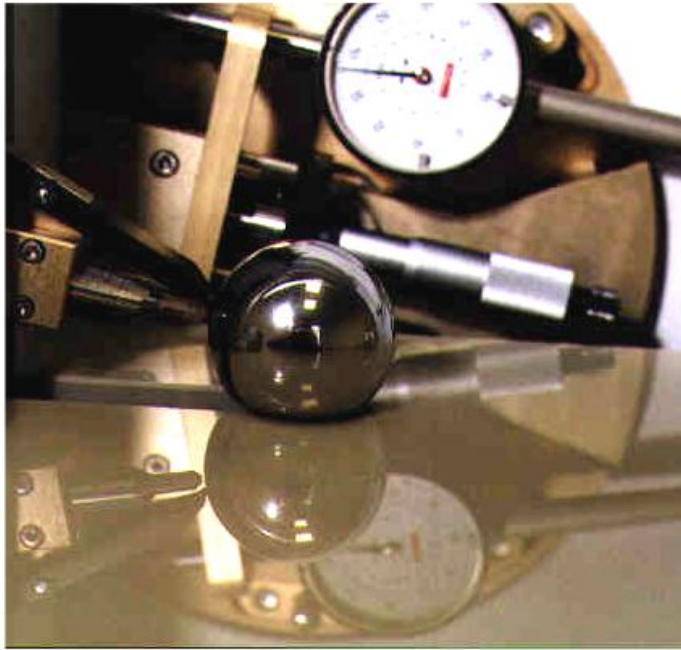
Cycle time:

<i>Feed and clamp part</i>	<i>2sec.</i>
<i>Automatic crack test</i>	<i>4sec.</i>
<i>Remove and sort part</i>	<i>2sec.</i>
	<i>8sec.</i>

Change-over to different type max. 5min.

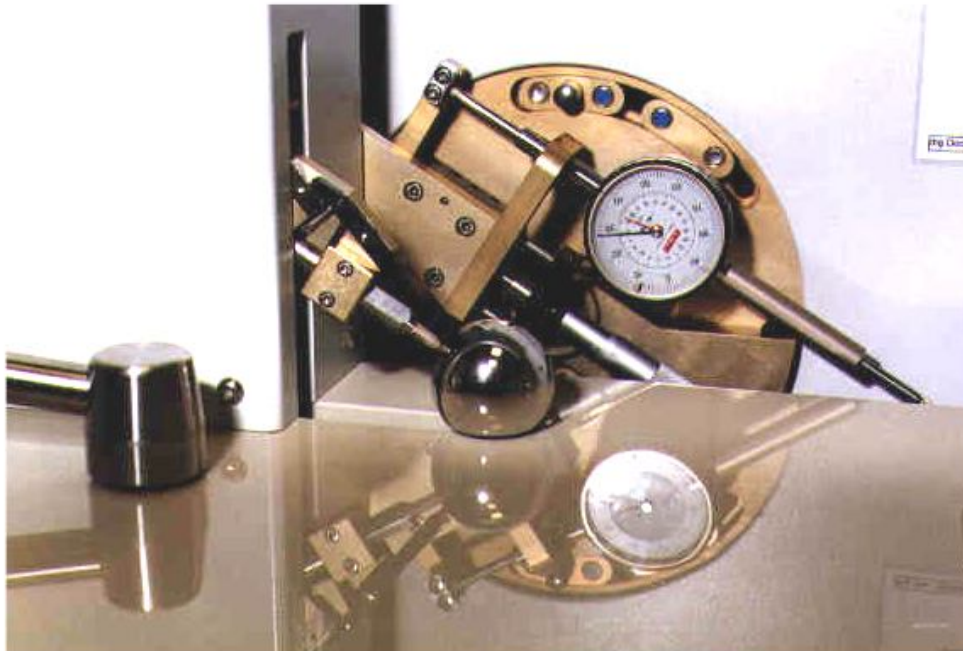


The test system can be operated from a sitting position. The test part is placed onto the collet chuck by hand and is clamped via the fixing lever. Actuating the lever automatically starts crack detection, the ball is put into rotation (approx. 300rpm), and the probe arm is swivelled along the test area.

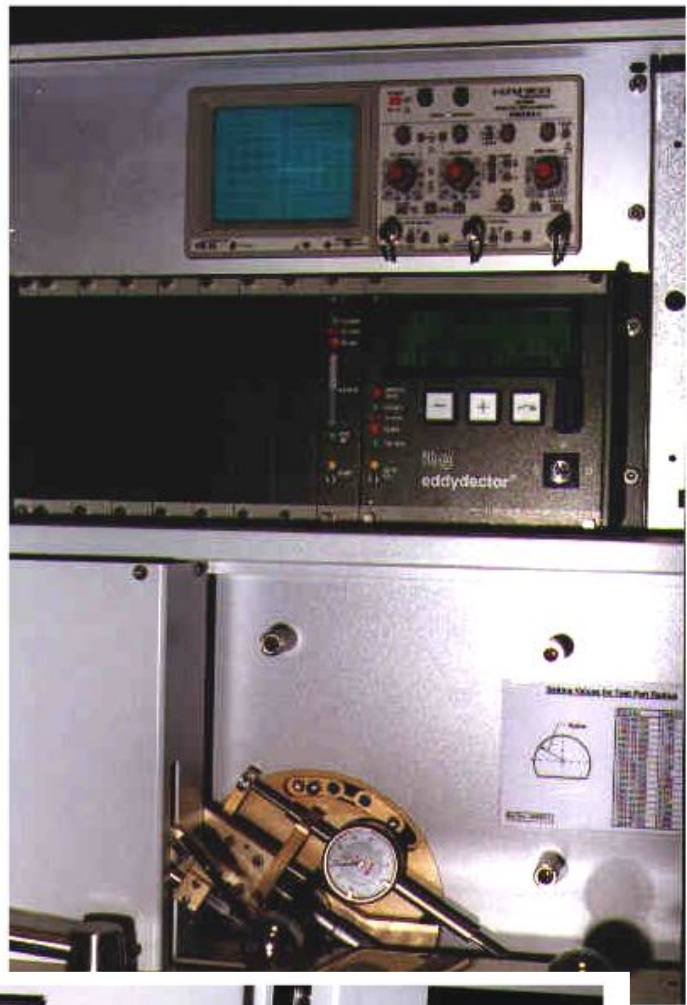


The crack detection probe scans the ball surface without touching it (see reflected image on the left).

Setting to different parts diameters can be done at a high sensitivity via a micrometer screw. It can be monitored easily on the dimensional gauge. In case of a possible probe contact (incorrect distance setting), a sensor stops every movement, and damaging is prevented.



High-sensitive crack detection is done with the well-renowned **eddydector**[®].



Easys to operate via the Siemens LCD operating panel.

