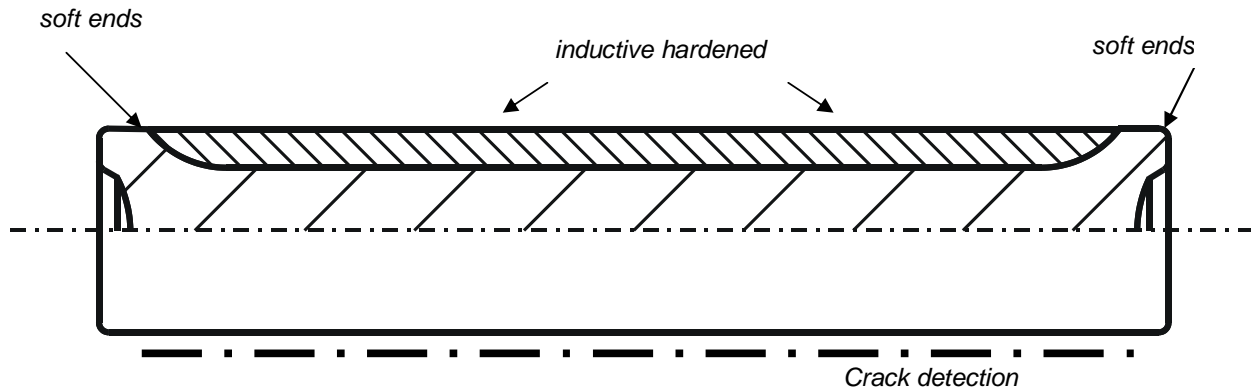
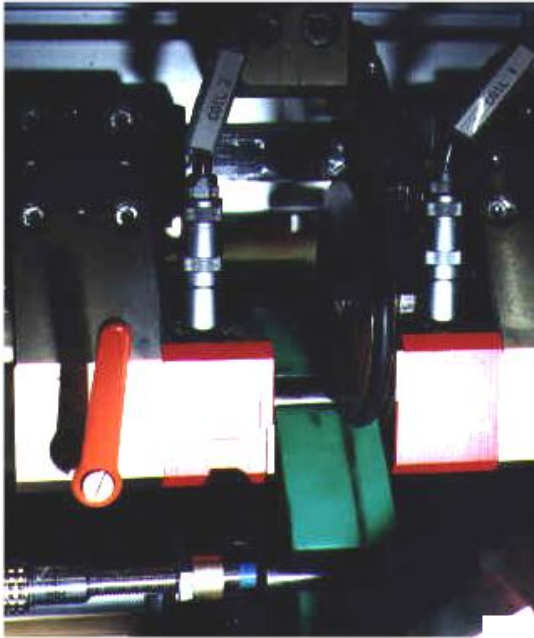


Automatic test for
structure and cracks of
planetary gear pins
with **eddyliner® P 3** and
with **1-channel eddydetector®**



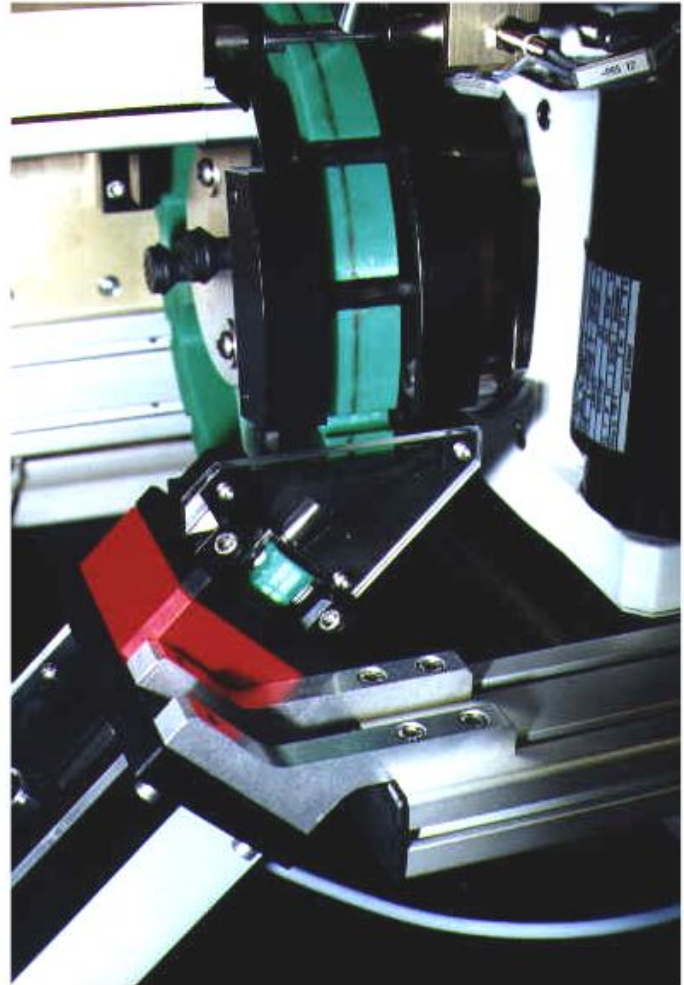
Test rate: : 1.125 parts/h
Dimensions : \varnothing 8,0mm up to 13mm
l 26mm up to 63mm

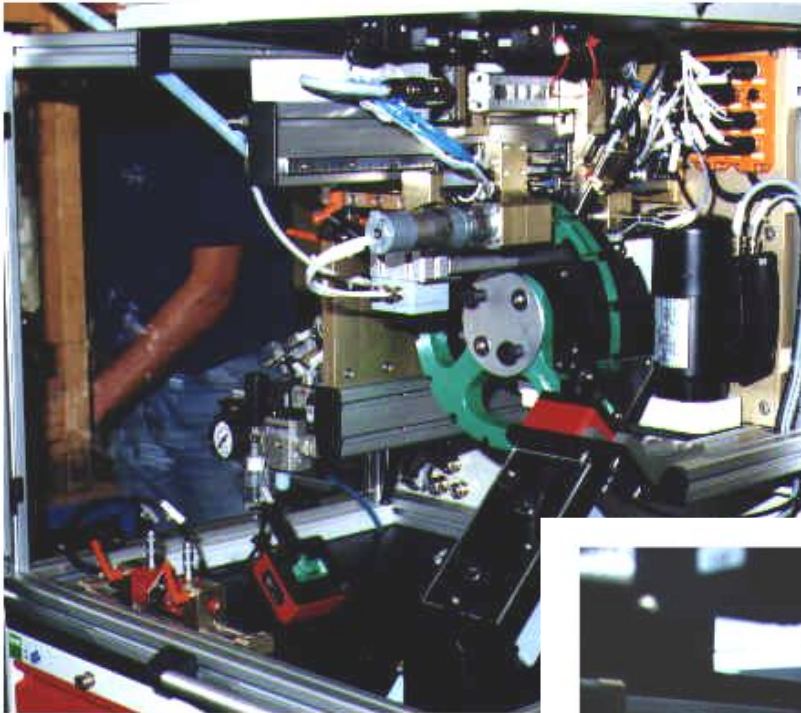
Variety of parts : 13
Case depth : 0,8mm up to 3,1mm
Hardness runout : 8,6mm up to 2,1mm
Crack specification : depth \geq 0,075mm
width \leq 0,05mm
length \geq 7,5mm
longitudinal



The hardness runout test according to the preventive multi-frequency testing method is effected by two test coils which are put over the test part from both sides (1st test station).

The case depth test of the induction-hardened parts is effected by an encircling coil approximately in the centre of the test part (3rd test station).





Space requirements are limited due to the compact design, which nevertheless guarantees good access to all components of the system.

For the crack test, the part is clamped between cones and put into rotation. The crack detection probe scans the whole outer diameter contactlessly for surface cracks.

