Inspection and Flexible Automation applications for the Automotive Industry



Torrevecchia Teatina (CH) – ITALY www.visiondevice.com











VISION DEVICE is a small but very specialized company that, since 1988 (and since 1982 its founding members)

work exclusively in the design and production of industrial MACHINE VISION applications

for automated inspection and flexible production



MAIN APPLICATION FIELDS are:

- Automotive industry
- Converting industry
- Food & Pharma industry
- Steel and Energy industry
- Research





Certified by the Ministry of University and Research, as a "Highly Qualified Research Laboratory"

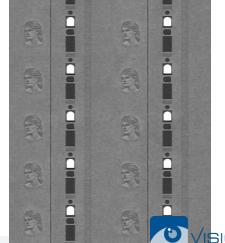
> Certified Quality System complies with the ISO-9001 standards from 2000











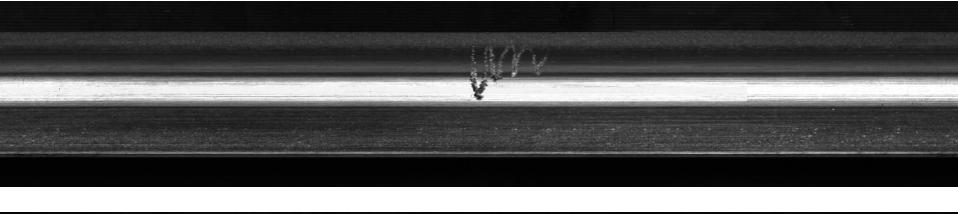
Device

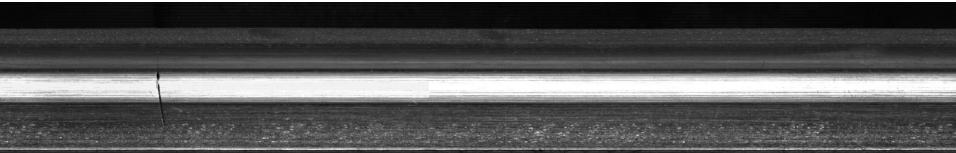


Inner Ring inspection



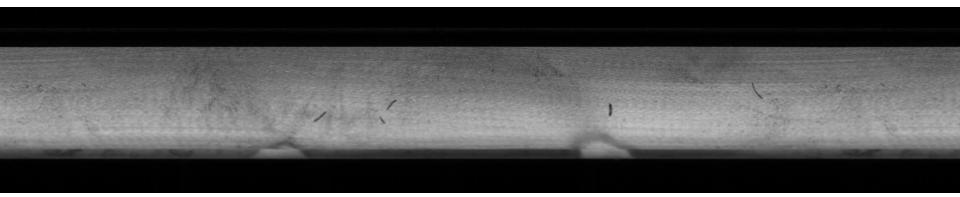
Inner Ring inspection External surfaces

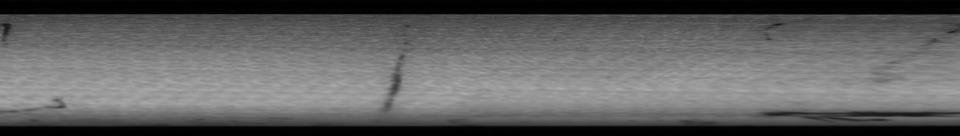






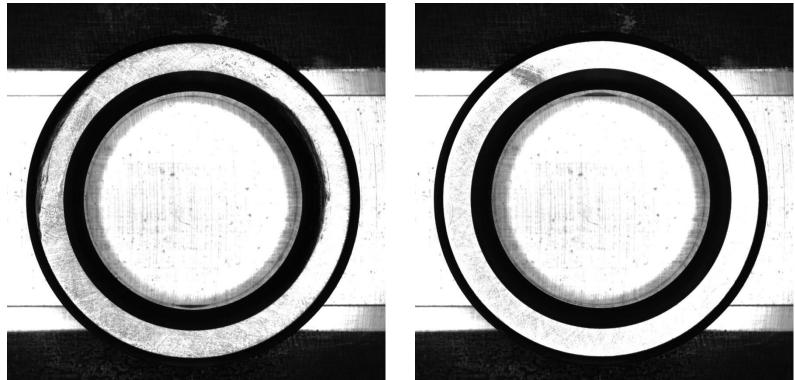
Inner Ring inspection Internal surface





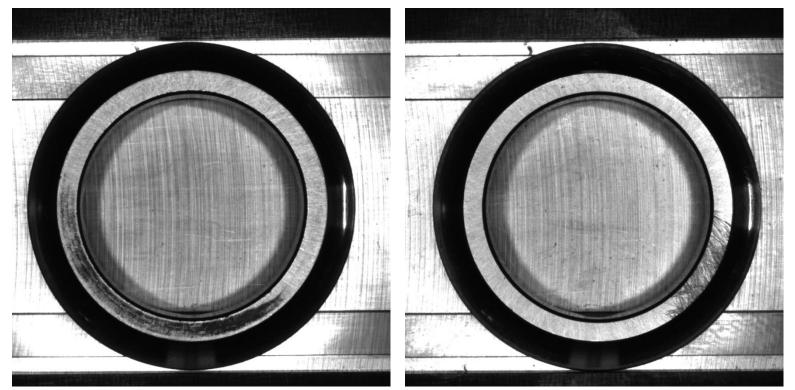


Inner Ring inspection Upper surface





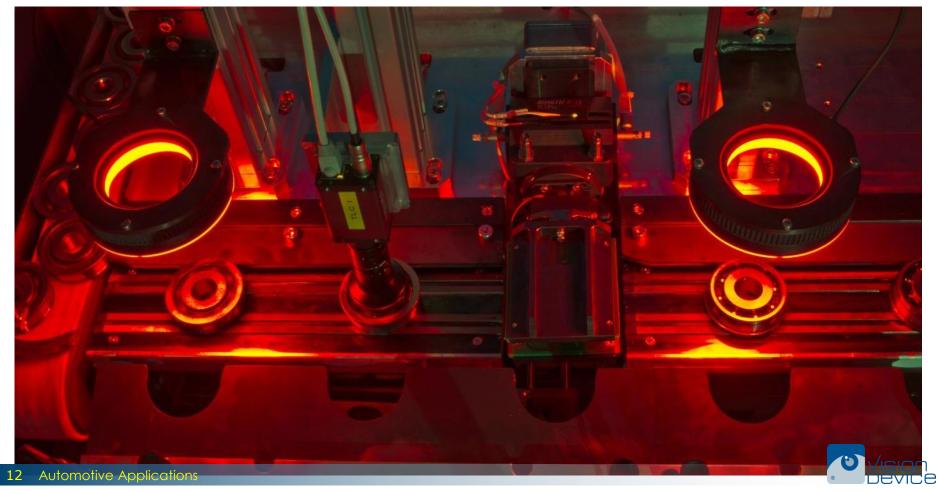
Inner Ring inspection Lower surface





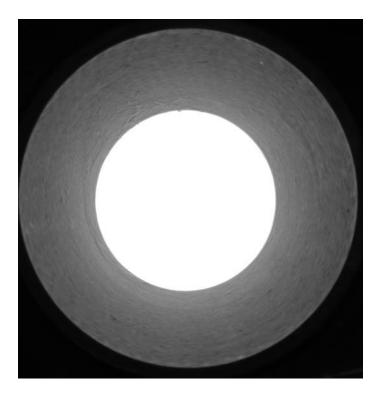


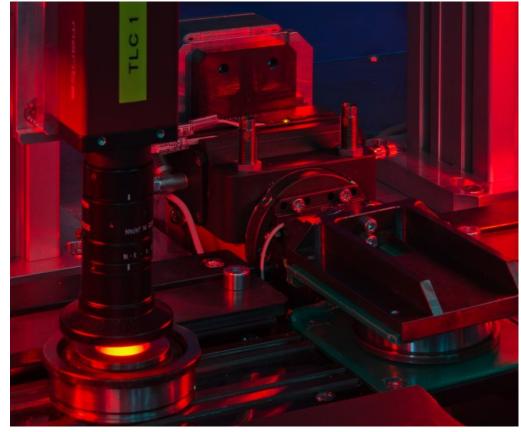










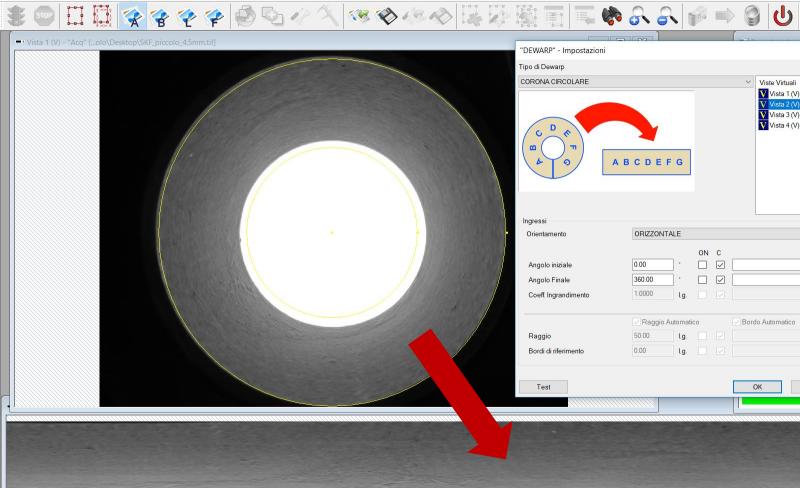




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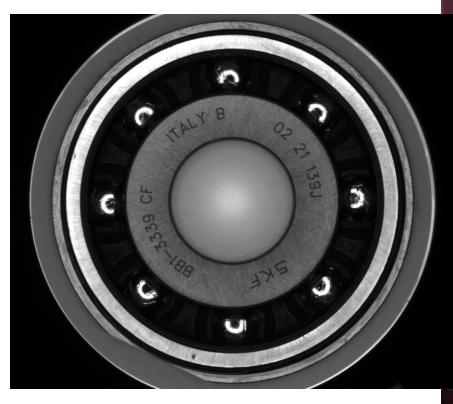
File Immagini Elaborazione Configurazione AOI Strumenti Visualizza Viste ?

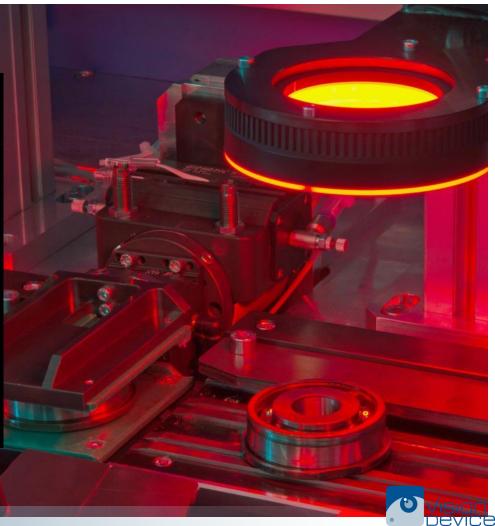
Deviçe

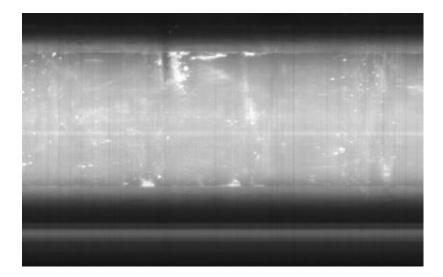


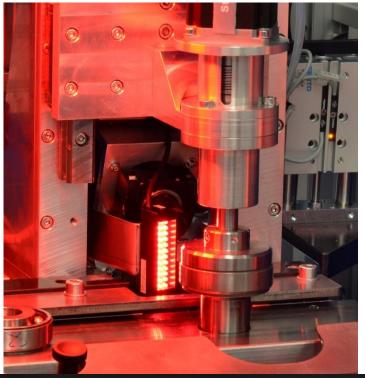
"DEWARP" - Impostazioni		×	empi Info
Tipo di Dewarp			
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Bordi di riferimento	0.00 I.g.		
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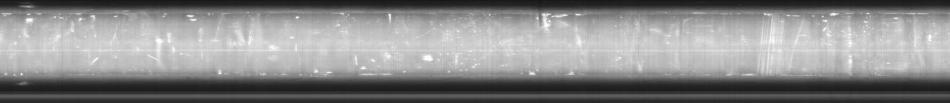
15 Automotive Applications













17 Automotive Application

Special Beering inspection





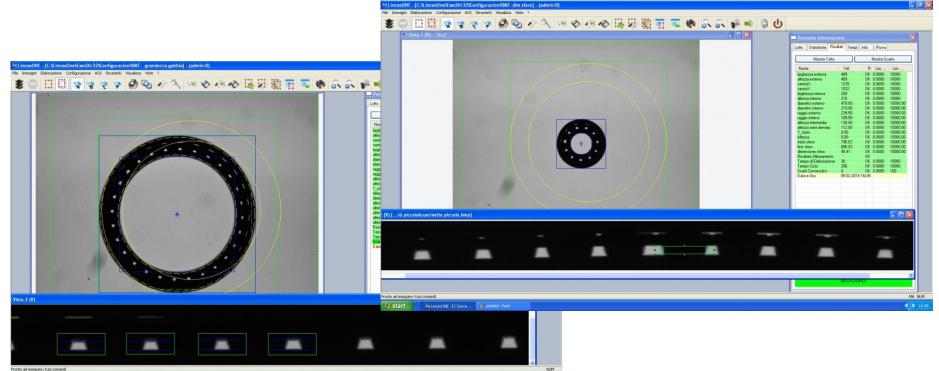
Special Beering inspection



Automatical adjusting for different diameter: both **mechanically**...



Special Beering inspection



Automatical adjusting for different diameter: ... and **software**



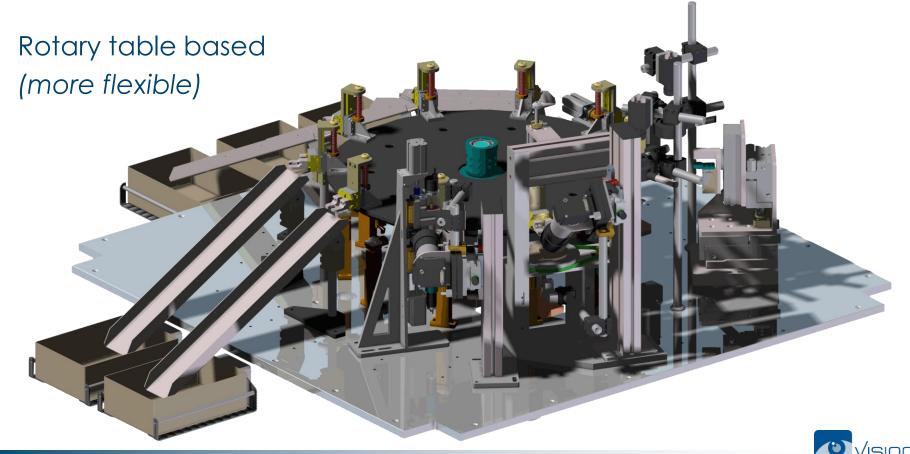
First generation machines





First generation machines

Device





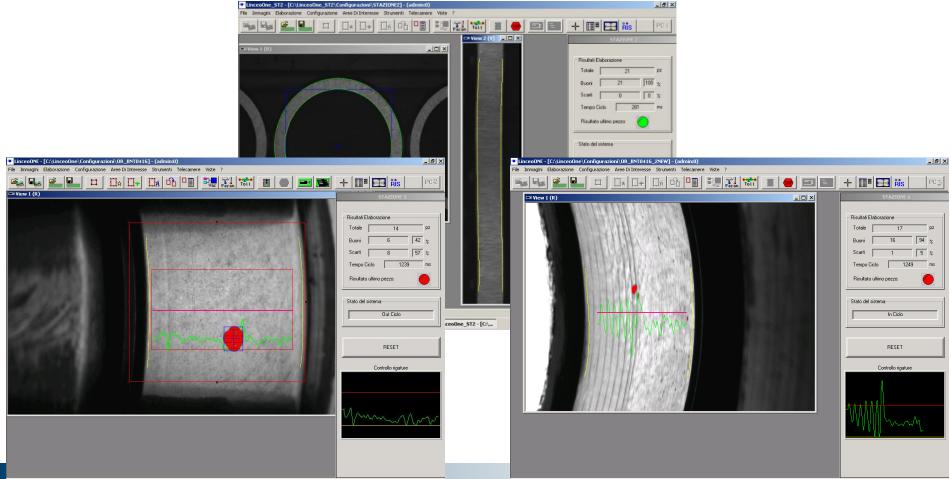


Second generation machines



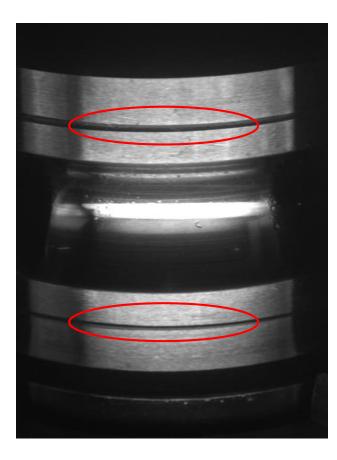


Second generation machines



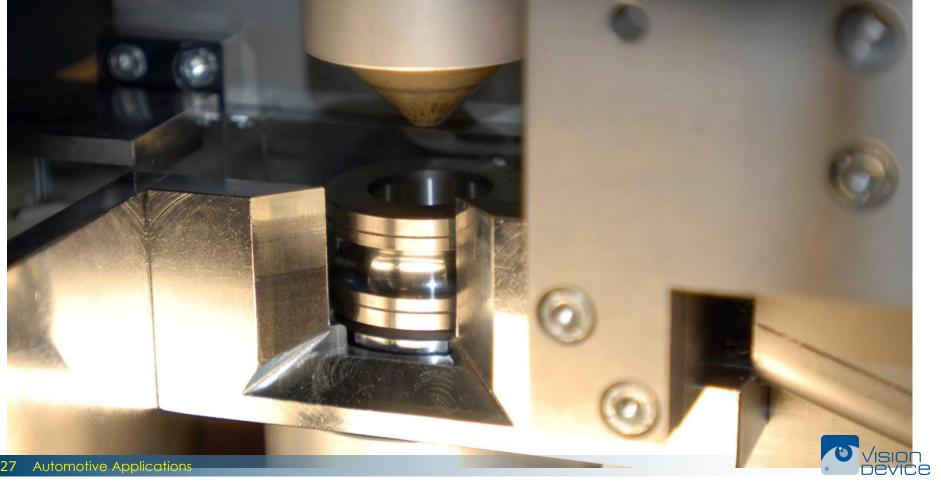
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Inner ring inspection





Inner ring inspection

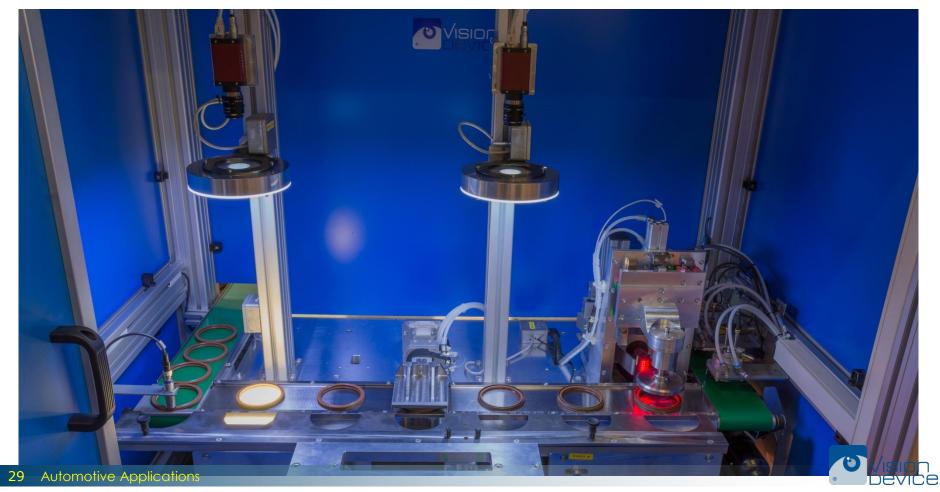


CO1 Seal inspection





CO1 Seal inspection

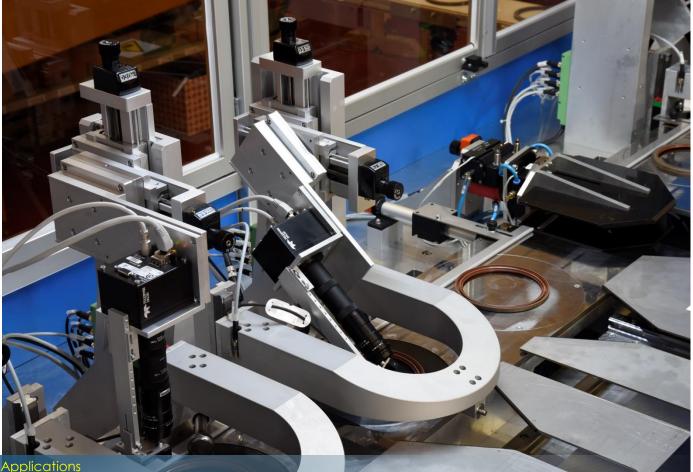


HBU-THU Seal inspection



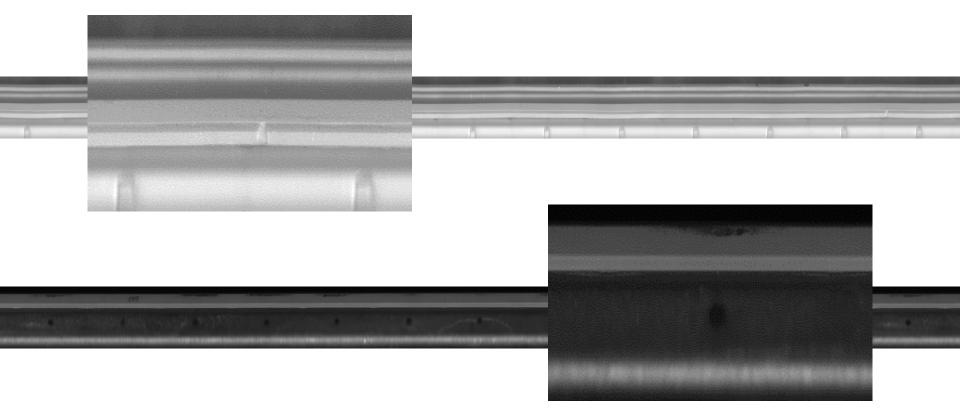


HBU-THU Seal inspection





HBU-THU Seal inspection

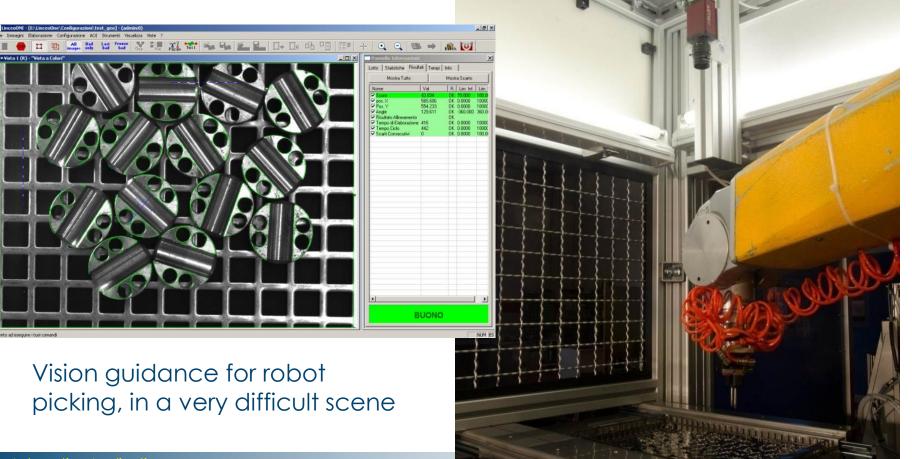


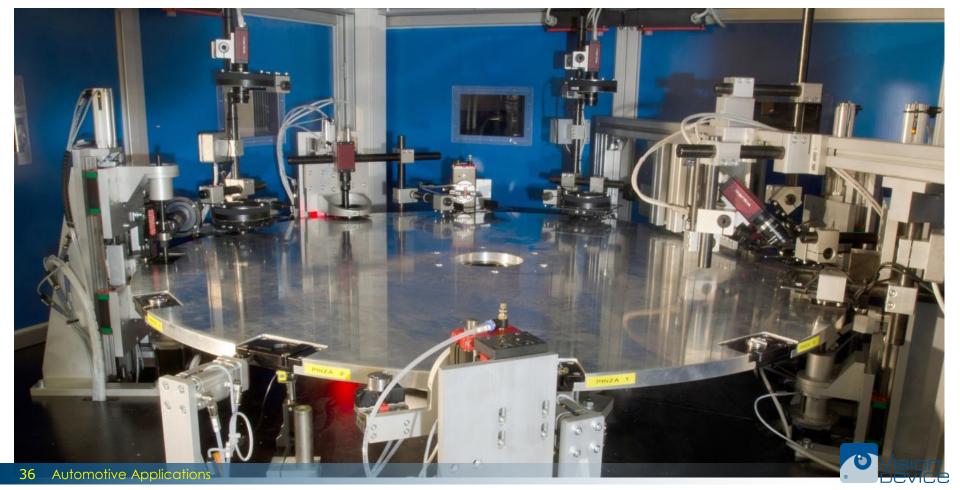


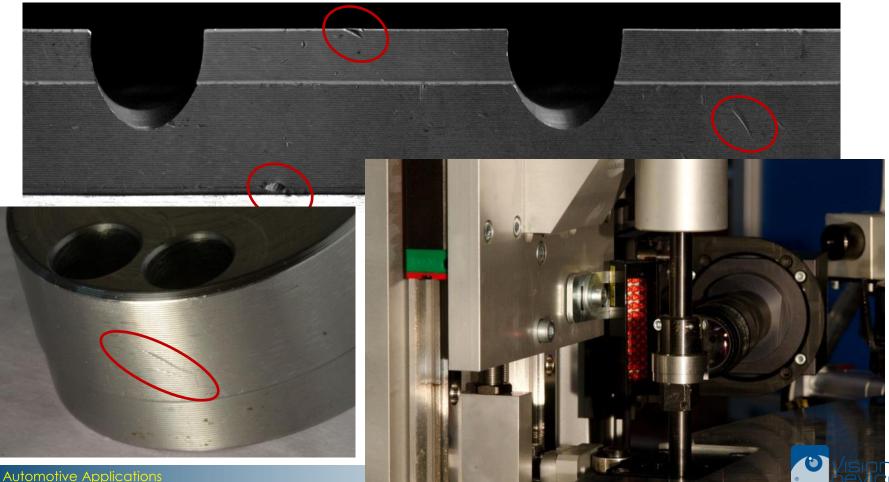










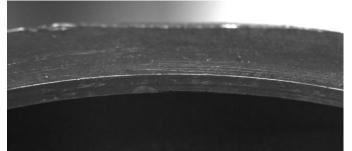


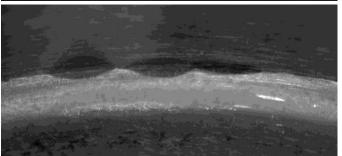


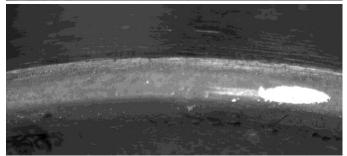


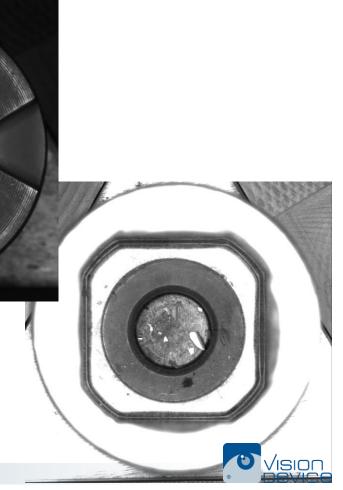
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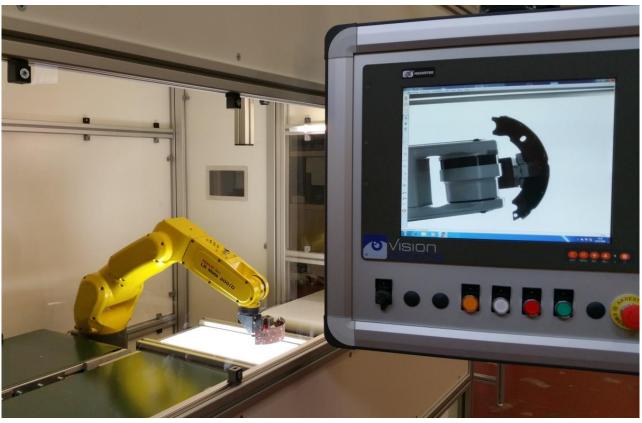


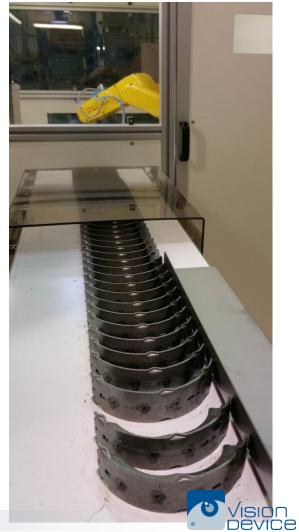
Brake component inspection



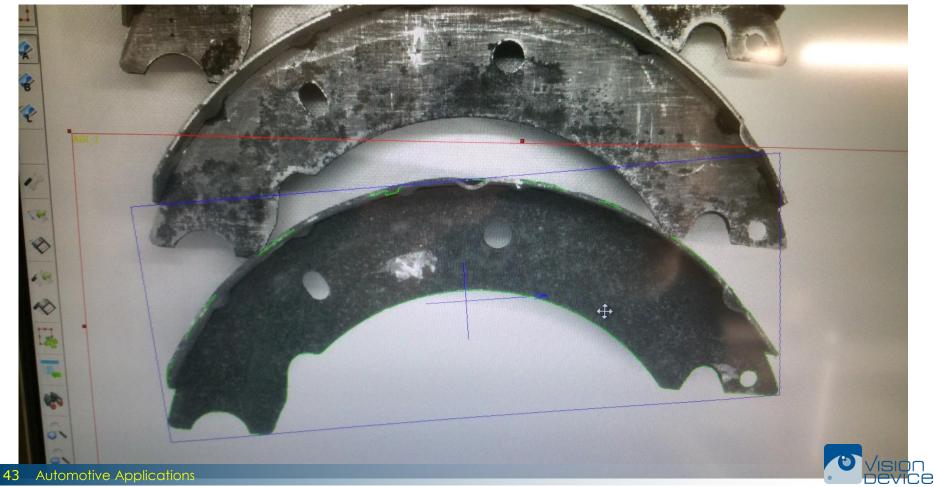


Brake component inspection



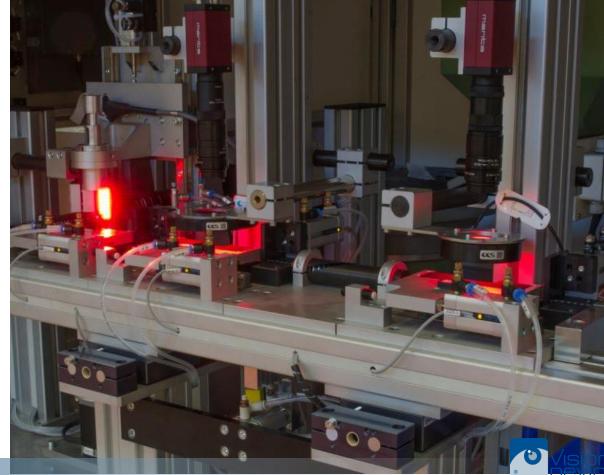


Brake component inspection

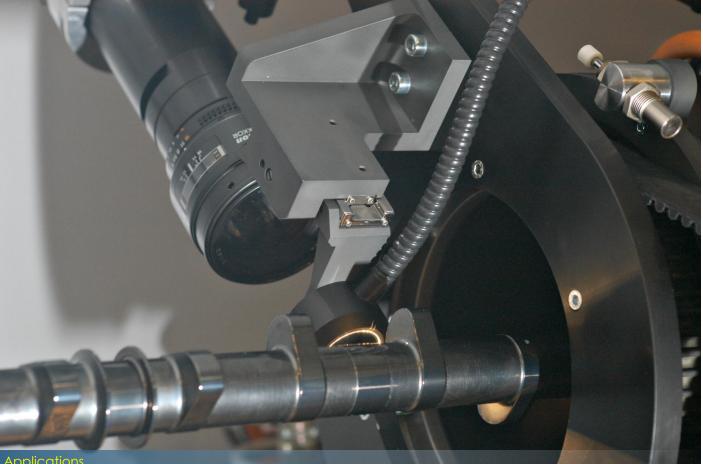


Inspection of fuel injector components



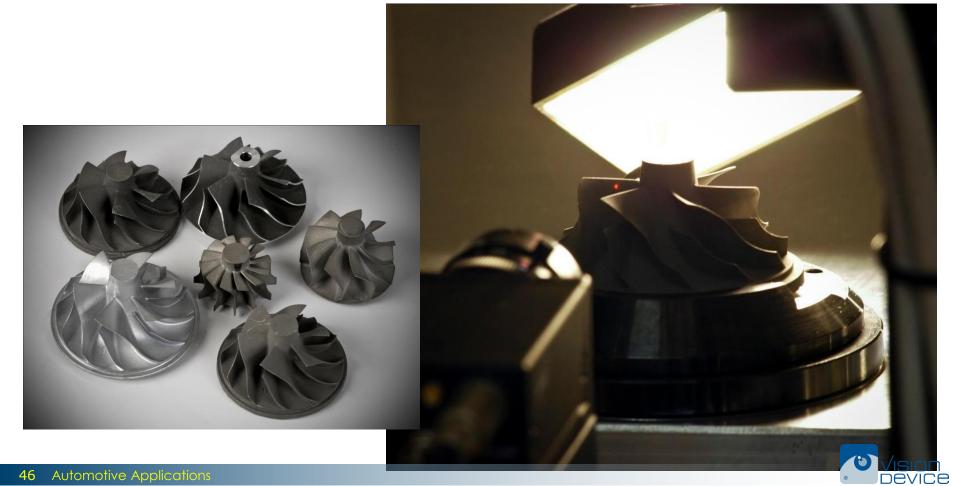


F1 components very accurate inspection





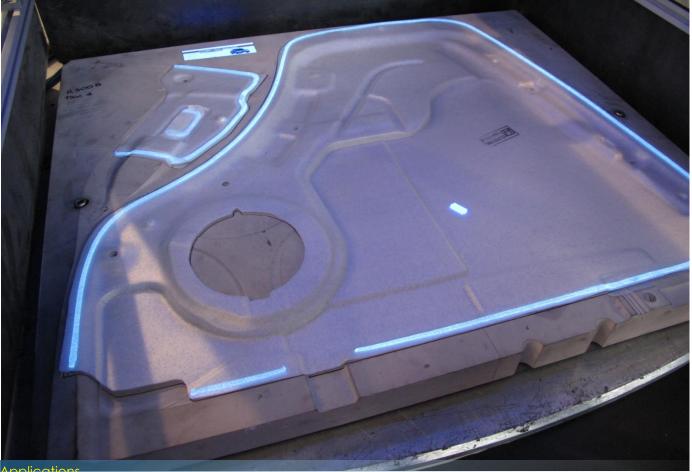
Automotive turbine Inspection



Automotive turbine Inspection

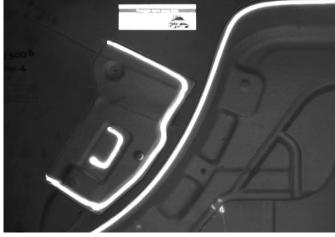


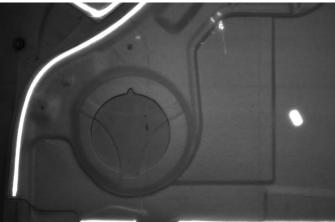
Automotive Door Component Inspection (cord glue)

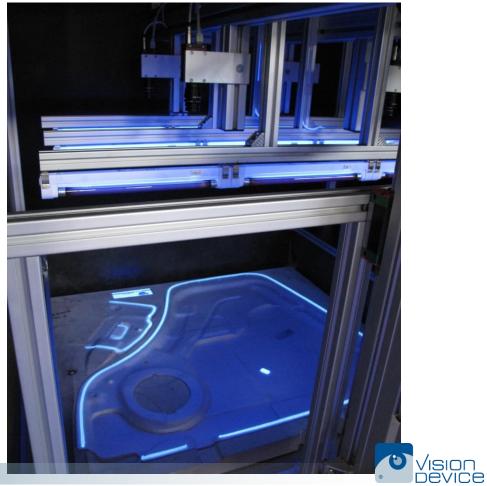




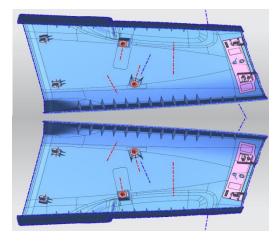
Automotive Door Component Inspection (cord glue)

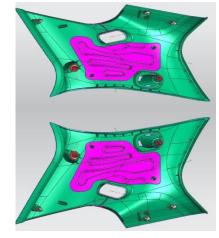


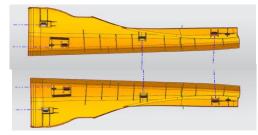


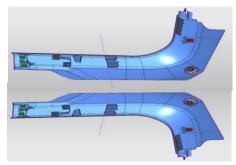


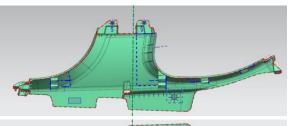
Automotive Door Component Inspection (assembly)

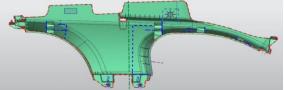


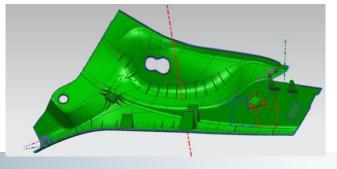






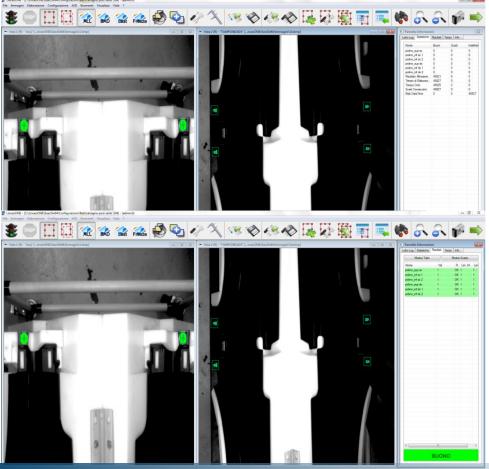


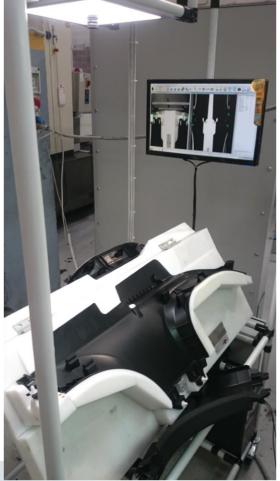






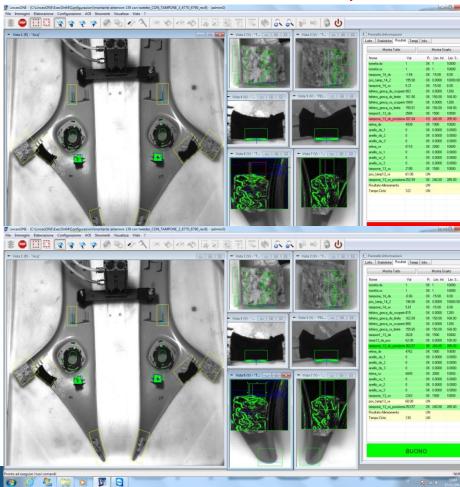
Automotive Door Component Inspection (assembly)







Automotive Door Component Inspection (assembly)

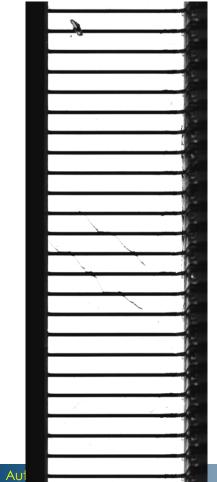




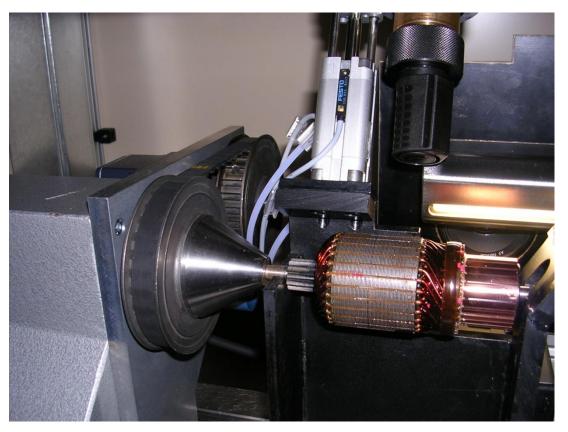
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Automotive Electric Rotors Inspection

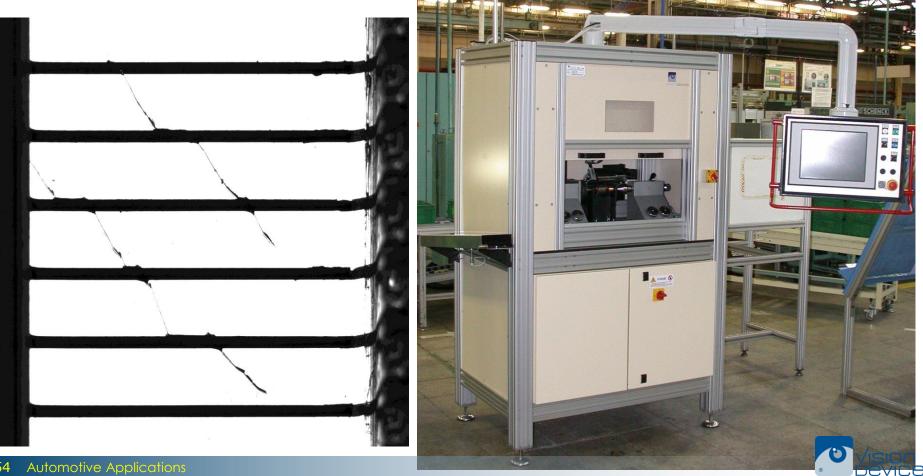


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Automotive Electric Rotors Inspection



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Assembly and Inspection Bench

