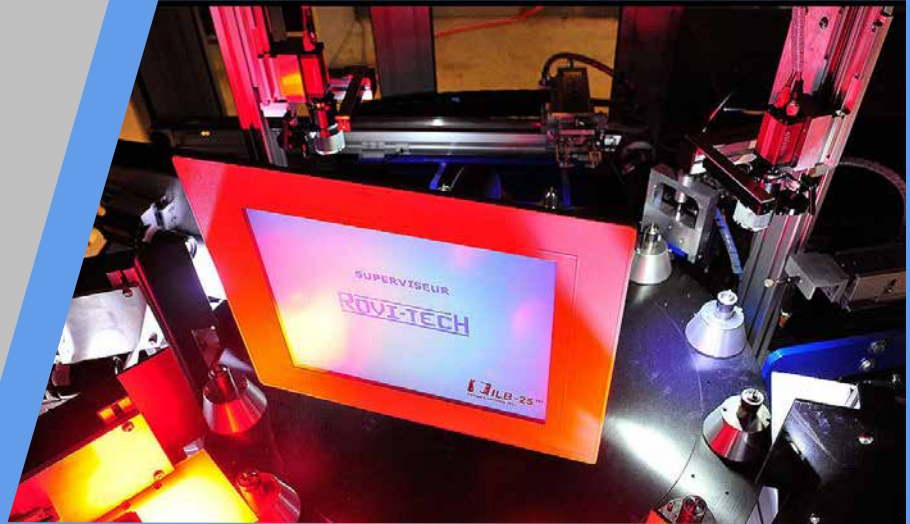# ROVI-TECH

ROLLER BEARING-CHECK

## Machine Vision Based Inspection System
for aeronautical roller bearings

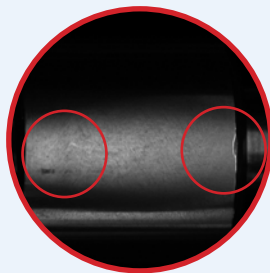## Quality control of the surface of the rollers

At a rate of 6 seconds per piece (for smallest diameters),
8 cameras check the surface quality of the rollers.
Inspection of rollers from 5 mm to 24 mm high.
Machine qualified by recognized manufacturers of the industry.
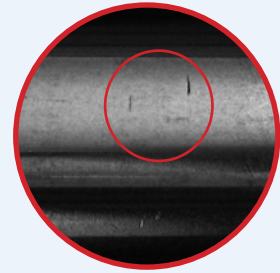**Detection of defects on surfaces, diameters down to 3 µm.**
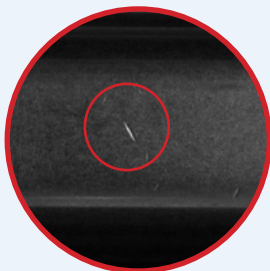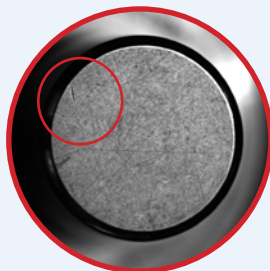
Defect Examples

Chock
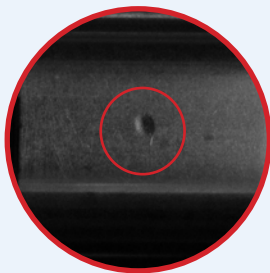
Stain and chock

Notch

Notch
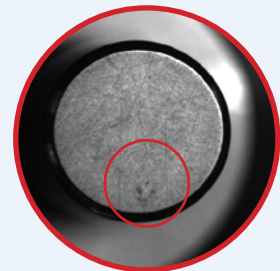
Notch on front

Stain on front

ROVI-TECH : 25 years of experience at your service

Characteristics

- Industrial design ■
- 8 cameras ■
- Industrial LED lighting ■
- Touchscreen interface ■
- Configurable ejection system ■
- Simple mecanics ■
- Autonomy of 8 hours ■

- In partnership with

Desimone
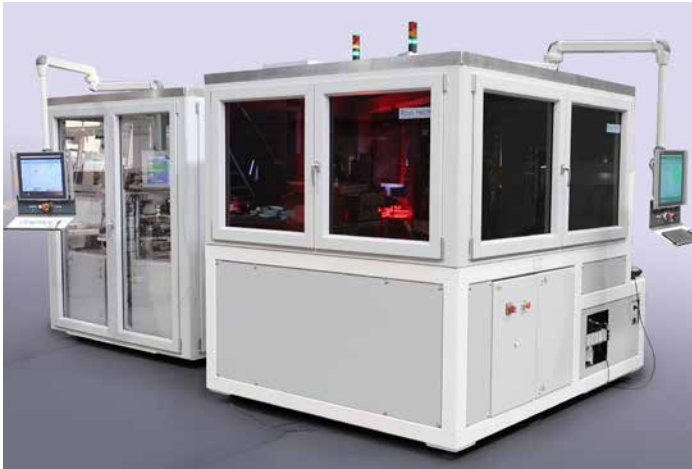
Vision sorting machine & ranking machine (dimensions and material)

ILB-25 - ROVI-TECH vision platform

- ■ Large library of analysis tools
- ■ Neural classification
- ■ Configuration through teaching
- ■ Evolutionary architecture
- ■ Traceability of results
- ■ Production statistics
- ■ High speed
- ■ Ability to categorize faults
  (ejection and / or selective statistics)
- ■ Production monitoring via graphics ...

ILB 25
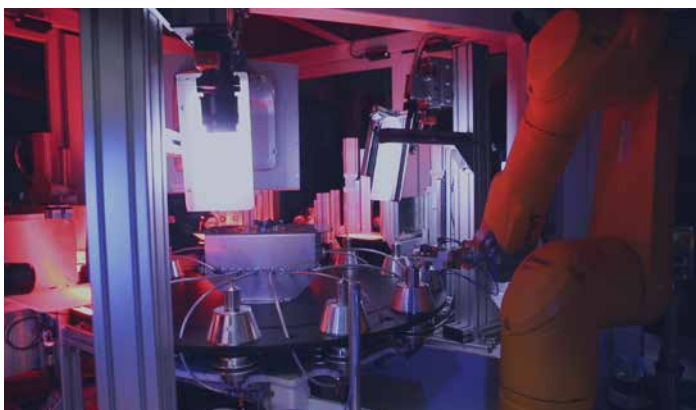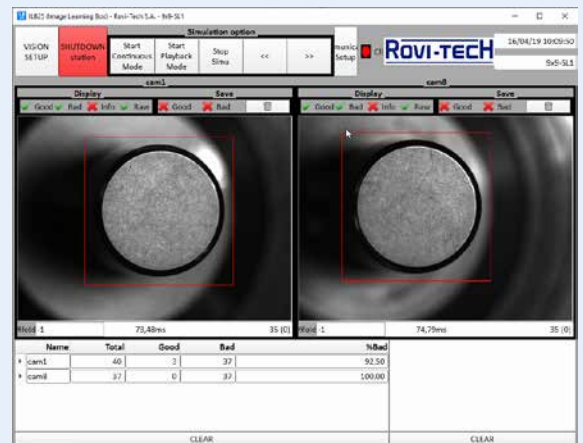
Services

- Pre-engineering ■
- Prototyping ■
- Feasability studies ■
- Production & Installation ■
- On-site start-up ■
- Maintenance contract ■
- Hotline service ■
- Training ■