

Yxlon Smart Factory Solutions

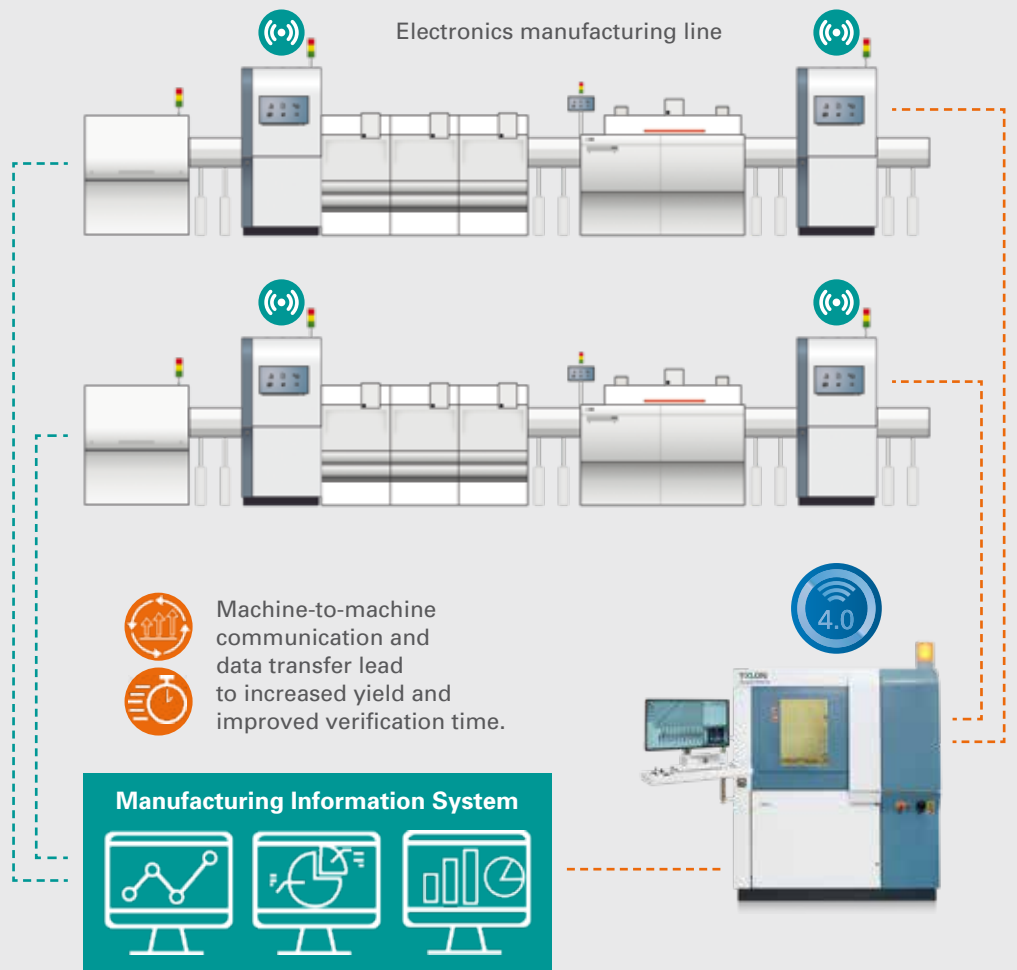
YXLON ProLoop

Production Processes ready for Industry 4.0

PROFESSIONAL
PRODUCTION
PROCESSES

PRO 4.0

- The optimal yield enhancement solution
- Real-time communication and reporting of failures and trends
- Continuous process improvement made easy by real-time data integration
- The ultimate verification process optimizer



Why ProLoop?

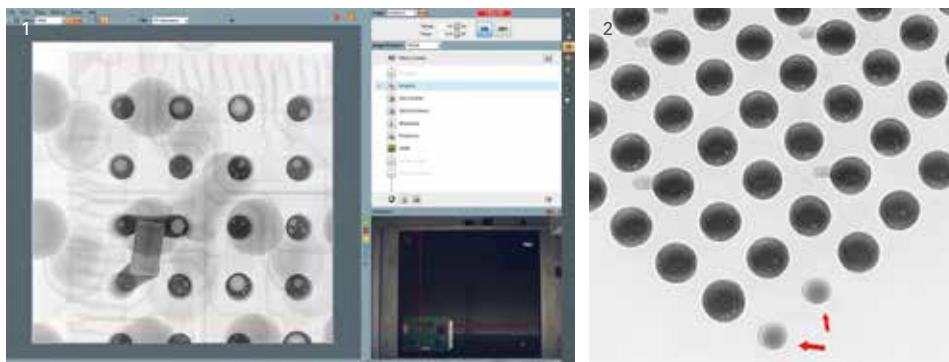
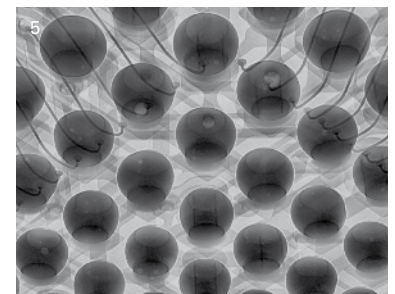
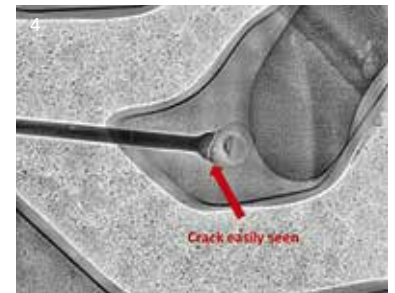
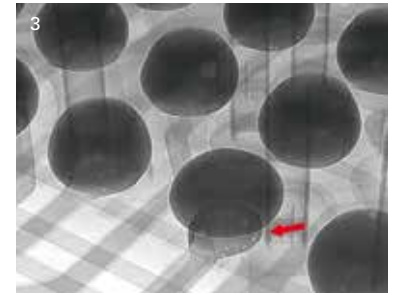
- Current AXI and AOI inspection solutions are advanced but even the best ones have limitations
- ProLoop turns these limitations into advantages
- Through a seamless connection of AXI or AOI with an Xylon at-line system you get:
 - Full information, allowing decisions and improvements to be made in real time
 - Instant feedback on all key process parameters, reducing bad WIP and rework which can be stored in a central data base
 - Complete traceability of all relevant inspection results and intelligent process improvement, which can be viewed from any location

The inspection and verification time is dramatically reduced by targeting suspect parts that the in-line inspection system selects for verification

Full data integration gives the operator the tools needed for correct decisions, intelligent feedback and process improvements

Complete your in-line inspection system with an at-line X-ray system

- Transfer the suspect parts that are identified by the in-line system(s) with all respective data to the at-line system for precise X-ray inspection of the defined regions of interest (ROI)
- Take advantage of the superior capabilities of Xylon X-ray systems
- Benefit from real-time feedback to fully optimize your process parameters
- Exploit advanced image processing technology such as eHDR for objective decisions
- Increase the verification process effectiveness by up to 6.5 times
- Eliminate false calls
- Store data and images for full traceability



- 1 User Interface of at-line CT-bridges of foreign material can easily be identified
- 2 Missing balls under the component
- 3 HoP defect identified by oblique view
- 4 Image with eHDR and high magnification
- 5 Oblique view of BGA with 16bit DFP

YXLON

Technology with Passion

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