



“Rosmart provides automatic defects detection machines to do the visual inspection work. It can always keep the high-quality standard, high inspection efficiency, and low labor cost.”

Alex Zhang
R&D Director
Guangdong Rosmart Technology Co., Ltd.



AI-powered inspection solutions automate defect detection

Visual inspection for quality control is one of the most important components of global electronic manufacturing. Guangdong Rosmart Technology Co., Ltd. builds and provides AI-powered machines for visual inspection, optimized using the Intel® Distribution of OpenVINO™ toolkit. Rosmart tested various Intel® hardware configurations on Intel® DevCloud for the Edge and was able to select a cost-effective, high-performing CPU alternative to the GPUs they had been using.

Visual inspections by humans can cause bottlenecks, so automating the visual inspection process is key to delivering faster UPH (units per hour) while maintaining high quality. By switching to Rosmart's AI-powered defect detection system, a manufacturer achieved 98 percent inspection accuracy, up from 87 percent, 5x more UPH, and a USD 70K reduction in labor costs per production line per year.¹ Other leading manufacturing companies like Shenzhen Sunlord Electronics Co., Ltd. and TDK-EPC Corporation in Zhuhai have adopted the Rosmart solution, allowing them to scale and meet high demand with exceptional accuracy.

Since 2010, Rosmart and its subsidiaries focus on research and development of visual inspection technology for the manufacturing industry.

Industry
Manufacturing

Use case
Product inspection

Country
Global

Learn more
gdrosmart.com

Intel® products and technologies
[Intel® Distribution of OpenVINO™ toolkit](#)
[Intel® DevCloud for the Edge](#)
[Intel® Core™ i7 processors](#)



1. Source: Internal Rosmart performance data.

Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy. Intel® technologies may require enabled hardware, software, or service activation. No product or component can be absolutely secure. Your costs and results may vary.
© Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.