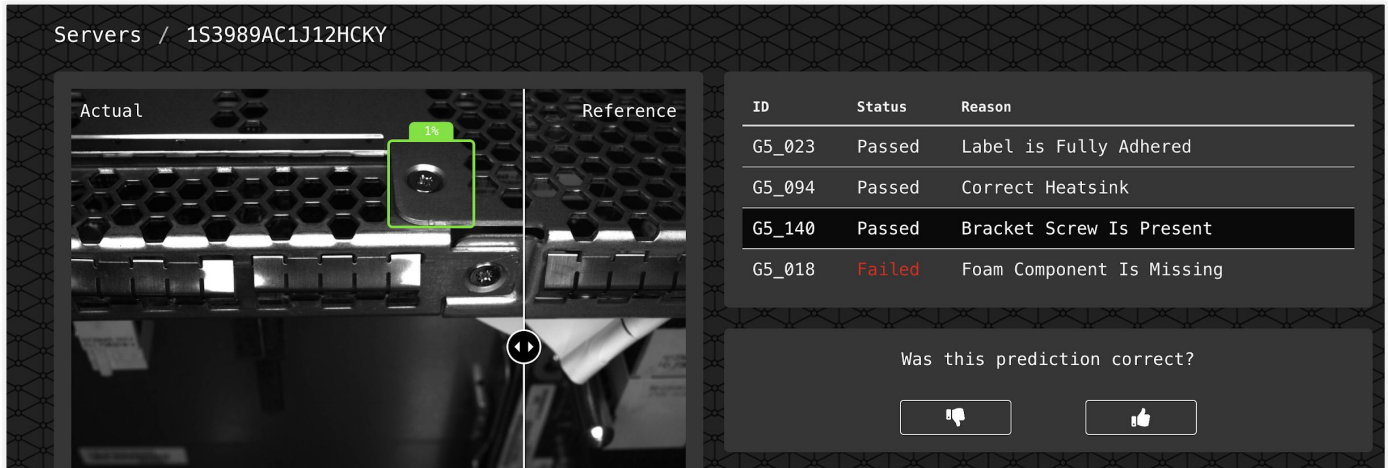


AI Meets Robotics to Detect Defects in Advanced Manufacturing



Assessing servers at Lenovo’s Monterrey, Mexico plant has historically required human oversight. To accelerate inspections through automation, Lenovo installed a robotic camera on the production line and aimed to analyze images using machine learning.

After several attempts with other vendors, Lenovo partnered with Infinia ML to make tangible progress toward this goal. Using images from the robotic camera, Infinia ML trained a machine learning model to identify defects from missing screws to misplaced foam.



Infinia ML did an amazing job with collaboration, planning, and communication, especially in explaining technical details.

Jaime Puente, Ph.D. AI Segment Manager, Lenovo US



Infinia ML took our existing images and used their process to get quick results. We can now build on that to deploy this on the line. The ROI for us includes better accuracy, lower costs, and better cycle time.

Rich Rosselle, Director, LME Strategy & Operations, Lenovo US



We're very pleased with the high accuracy that Infinia ML was able to achieve in these models.

David Ellison, Senior AI Data Scientist, Lenovo US