ADLINK
Leading **EDGE COMPUTING**

AI MACHINE VISION – AUTOMATED ARC WELDING
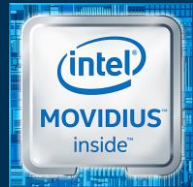
RESULT

97% ACCURACY DETECTING POROSITY DEFECTS*

intel MOVIDIUS inside™

intel CORE™ i7 9th Gen

OpenVINO™

PARTNER

ADLINK Technology is a global leader in edge computing with a mission to affect positive change in society and industry by connecting people, places and things with AI. ADLINK does this through the delivery of leading edge, robust solutions addressing customers' critical business and technology challenges. Offerings include robust boards, modules and systems; real-time data acquisition solutions; and application enablement for AIoT.

SOLUTION

ADLINK's Edge AI automated arc welding solution uses the well-validated EOS-i6000-M Series vision system featuring a 9th Gen Intel® Core™ i7-9700E processor, 4x Intel® Movidius™ Myriad™ X VPUs and optimized with the Intel® Distribution of OpenVINO™ toolkit. The solution makes it possible for manufacturers to see welds up close in a way never before possible with manual inspection: frame-by-frame, allowing defects to be detected and acted upon in real time.

CUSTOMER

This solution is for heavy equipment manufacturers worldwide. Porous welds result in brittleness and weakness that cannot pass inspection and may require expensive parts to be reworked or scrapped. The solution provides an automated system to detect and correct these welds at an earlier point in the manufacturing process, reducing delays, wastage and costs, and increasing productivity.

Link to Solution Brief

* Source: Internal ADLINK testing data. Intel does not control or audit third-party data. You should review this content, consult other sources, and confirm whether referenced data are accurate.

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