



Removing Defective Terminal Blocks

Challenge:

A major electrical interconnection manufacturer struggled with manual defect detection in engine bores, producing over 85,000 terminal blocks daily. Their process involved inspecting 25 variants at 65 parts per minute, but unreliable detection posed challenges.

Solution:

We implemented an automated inspection system with Deep Learning AI to orient variant types. This system generated consolidated reports for defect analysis and integrated them with an automatic rejection system for removing defective terminal blocks.

Impact:



AI-based automation provided **100%** accuracy in defect prediction across 12 types of defects.



It eliminated defect spillage per year by avoiding distributor returns.

About Gramener

Straive helps clients operationalize the data> insights> knowledge> AI value chain. Straive's clients extend across Financial & Information Services, Insurance, Healthcare & Life Sciences, Scientific Research, EdTech, and Logistics.