



GadgEon

Engineering Smartness

AUTOMATIC GLUE DISPENSING ROBOT



Automatic Glue Dispensing Robot



Designed and Developed a computer vision based Adhesive quality inspection system that can detect any faults in the path while applying adhesives.

Results / Outcomes

- A computer vision path inspection system that could detect defects in adhesive application
- Machine vision that could detect any spills or overflow of adhesive, detect the regions with insufficient adhesive dispensed, detect the presence of bubbles in real time
- Significant improvement in the efficiency of the process and the quality of the end product.



System Implementation Details

Vision System:

- Industrial machine vision camera mounted on customer's robotic arm
- Custom Image processing algorithms using OpenCV
- Real time detection and correction algorithms
- Custom lighting setup

THANK YOU



For More Details, Let's Connect



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