

Coherix

THE NEXT DIMENSION
OF PERFORMANCE

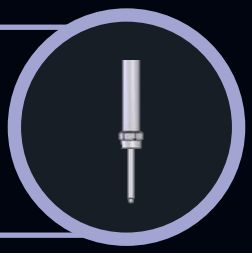
CASE STUDY

PART-TO-PART VARIATION IN THE BODY SHOP

HOW ONE OF THE LARGEST AUTOMOTIVE OEMs USED COHERIX Z-TRACKING TO OVERCOME PART-TO-PART VARIATION IN THEIR BODY SHOP

One of the largest automotive OEMs in the world experienced issues dispensing adhesive on parts in the body shop.

Because of the high variability in the sheet metal parts, the adhesive dispensing nozzle was crashing into these parts and breaking at least 5-6 nozzles a week.



30 min

Replacing a nozzle causes 30 or more minutes of unscheduled downtime in the manufacturing process, plus causes downstream delays. The average units lost in the 30 minutes it takes to replace the nozzle was 40, with each unit loss costing $100.

The OEM reached out to Coherix for a solution to overcome this expensive problem. Coherix 3D Z-Tracking software dynamically adapts to each individual part's variation by sending the Z-offset to the robot to make height adjustments on-the-fly. Z-Tracking allowed the OEM to keep a constant specified distance of the dispensing nozzle to the part surface for an ideal dispense without plowing through the bead or breaking nozzles.

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Saving over $20,000 a week in units loss and labor, Z-Tracking provided the solution to broken nozzles and unscheduled downtime in this OEMs body shop.

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