

Compliant Applicator Tool

Robotically Applied Over Hem Sealant System



Compliant Tool Applicator applying Over Hem PVC Sealant to opposite side of door panel

Sealant Equipment & Engineering in conjunction with a leading automotive robot supplier, developed the 2600-052 series Compliant Applicator Tool (CAT) to allow robots to apply Over Hem PVC sealer on the hem flange perimeter without opening the door panel.

The robot's cameras locate the panel position, nozzle entry point and the 6th axis moves the rugged tip along the hem flange and the CAT maintains the nozzle position on the flange by providing two axis's of movement.

Manually applied Over Hem sealants require the door to be opened, a natural ability to apply the sealer on three sides of the door, significant body movement, and touch-up of the sealer along various points of the bead path.

Robotically applied Over Hem sealants allow the door to remain closed or slightly open and basic robot sealer programming.

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**Sealant Equipment's No-Drip Kiss
Dispense Valve and Nozzle is mounted
to the Compliant Applicator Tool**



Manufacturers of Precision Dispense Systems & Valves

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