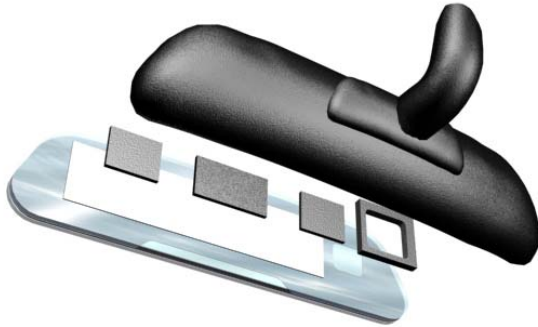


PLACEMENT OF FOAMPADS ONTO A REARVIEW MIRROR



TASK

Place multiple foam pads onto the backside of an automotive rearview mirror.

CHALLENGES

- The foam pads differ in size and shape.
- Multiple types of mirrors are run through the same assembly cell with varying combinations of the foam pads.

SOLUTION

- APAC
- Target scanning option
- 4 Robot Mode RM3065 feeders
- Dual tray shuttle
- Customized tooling trays
- Customized vacuum chucks

FEATURES & BENEFITS

- The standard APAC end effector is tooled with 4 customized vacuum chucks to match the corresponding shapes of the foam pads.
- The APAC is configured with 4 RM3065's feeding each of the 4 different pads.
- The dual tray shuttle is loaded with trays that can hold 5 mirrors on each shuttle.
- The machine uses target scanning to determine the mirror loaded and subsequently places the correct pads.
- Operator responsibilities are limited to loading/unloading the mirrors and changing the rolls of foam pads.
- Additional future mirrors can be run on the same equipment by only changing the end effector tooling.

