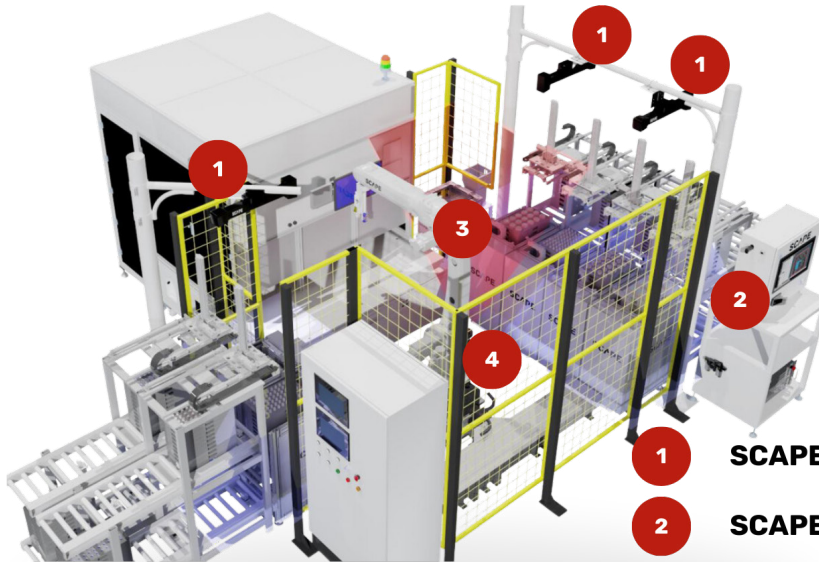


SCAPE 3D Vision-Guided Bin-Picking at Senex



- 1 SCAPE Industrial 3D Scanner
- 2 SCAPE Vision Controller
- 3 SCAPE Robot
- 4 SCAPE 2D Camera

BIN-PICKING OF MONOCRYSTALLINE SILICON PARTS

THE SCAPE 3D VISION SYSTEM IDENTIFIES THE MATERIALS IN THE BIN AND GUIDES THE ROBOT TO PICK AND PLACE THEM ONTO THE ASSEMBLY TABLE OF THE AUTOMATIC WELDING MACHINE FOR THE WELDING OPERATION. SIMULTANEOUSLY, THE 2D VISION SENSOR ENSURES PRECISE ORIENTATION CONTROL OF THE GLAND, SENSOR, AND SLEEVE, GUARANTEEING ACCURATE POSITIONING BEFORE THE WELDING PROCESS. ONCE WELDING IS COMPLETE, THE ROBOT UNLOADS THE WELDED PARTS INTO AN EMPTY TRAY, WHICH IS THEN TRANSFERRED TO THE END OF THE PRODUCTION LINE FOR MANUAL HELIUM INSPECTION.

CYCLE TIME:	20 SECONDS
PART WEIGHT AND DIMENSIONS:	<0.74 KG; 55 MM X 42.55 MM
PART DELIVERY:	HIGH PRECISION DELIVERY INTO FIXTURE
VISION SENSOR:	THREE SCAPE ULTRA 3D SCANNER

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Get in touch with our experts and discuss your application today!**

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