SERVO-ROBOT
3D ROBOT-VISION

3D LASER VISION systems for industrial welding robots

SERVO-ROBOT is the leading manufacturer of 3D robot-vision systems and software dedicated to real-time intelligent control and monitoring of industrial robots. We provide reliable, innovative, high-performance products that are adapted to customers' specific welding applications and needs, and we support them with superior customer service.

SERVO-ROBOT's systems are universal, easy to program and are designed to perform 3D joint tracking, joint finding, robotic weld inspection, intelligent process control, and Self-Teach in applications such as robotic arc and laser welding, laser brazing and robotic dispensing in various fields. SERVO-ROBOT serves various industry segments including automotive, heavy fabrication, shipbuilding, energy, general industry, and others.

Here are some of the great things that SERVO-ROBOT robot-vision systems can do to help improve a manufacturing process and increase OEE (Overall Equipment Effectiveness):

- Ensure consistent weld quality as per customer's requirements.
- Save time and ensure objectivity of weld quality control and inspection.
- Increase the welding travel speed which will increase the number of welds/parts completed each shift.
- Increase the uptime of the robot because the wire will always be exactly in the joint when starting the arc so less burn backs and wire feeding issues.
- Reduce defective welds and wasteful over welding.
- Reduce upstream operations such as precise part edge trimming after part forming.
- Increase functionality of the welding robot to use it for more applications.
- Reduce the fixturing costs.
- Simplify programming by reducing the number of required programmed points

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3D ROBOT-VISION
SIMPLIFY
ROBOTIC WELDING
Seam Tracking | Seam Finding
Self Teach | Weld Inspection
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