

**Oxford
sensors**
a new vision for welding



OSL Laser Seam Tracking Systems
Robot Welding

OSL Laser Seam Tracking Systems for Robot Welding

OSL OTrack-R is a Laser Seam Tracking system for Robotic Arc Welding.

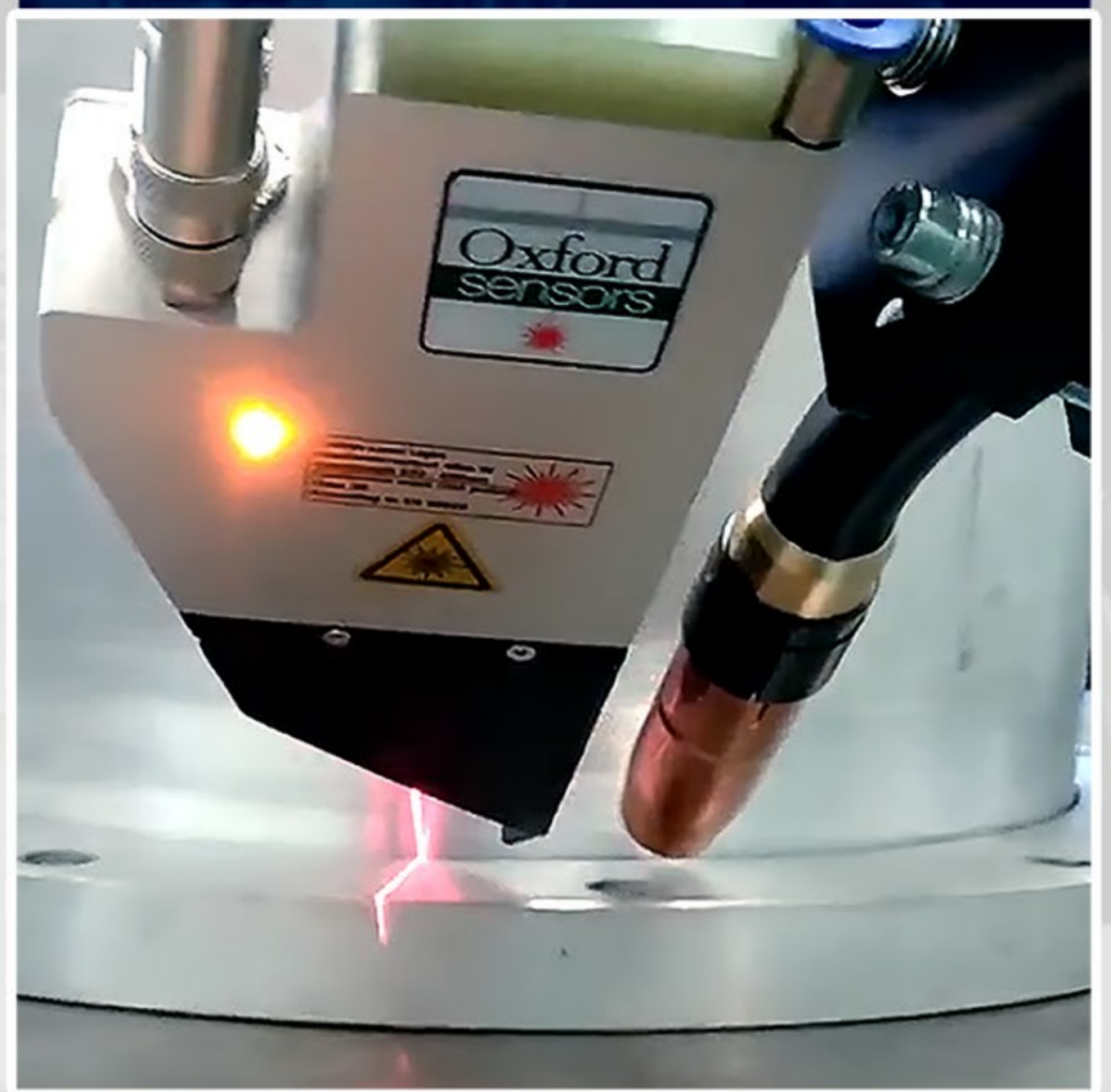


The system has been designed from the ground up for robotic arc welding with special consideration given to performance, robustness, reliability and ease of use.

System Structure

The laser tracking system has just two main parts:

1. Laser sensor – usually mounted from the torch
2. Control Cabinet – with integrated colour touchscreen



Features

- Laser Sensors Designed for Arc Welding
- High standoff, high resolution and large depth of field make for great performance and flexibility in use
- Controller is an industrial PC with no moving parts running OSL's all new Laser seam tracking software
- Informative full colour touchscreen for easy setup, production monitoring and problem resolution
- Sensor isolation module to protect the system from welding shorts

Benefits

- Reliable seam finding and accurate seam tracking
- Improved weld quality by keeping the electrode in the joint
- Reduced fixturing costs
- Reduced scrap and rework
- Minimises need to touch up robot programs

Applications

- Automotive
- Tanks & Fittings
- Construction Equipment
- Aerospace & Defence
- Cabinets, containers & housings

The system is suitable for use with all the main robot welding processes

Robot Interfaces

The standard system interfaces to a wide range of leading robot controllers via a network connection. A special version of the system is available to provide an interface with analogue and digital signals where necessary.

Existing interfaces include:

- ABB
- Fanuc
- Kuka
- Motoman/Yaskawa



**Oxford
sensors**
a new vision for welding

Oxford Sensors Ltd
Unit 11, Arena 14
Bicester Park,
Charbridge Lane
Bicester,
Oxfordshire
OX26 4SS
United Kingdom

Phone +44 (0) 1869 250791
Email info@oxfordsensors.co.uk
www.oxfordsensors.co.uk