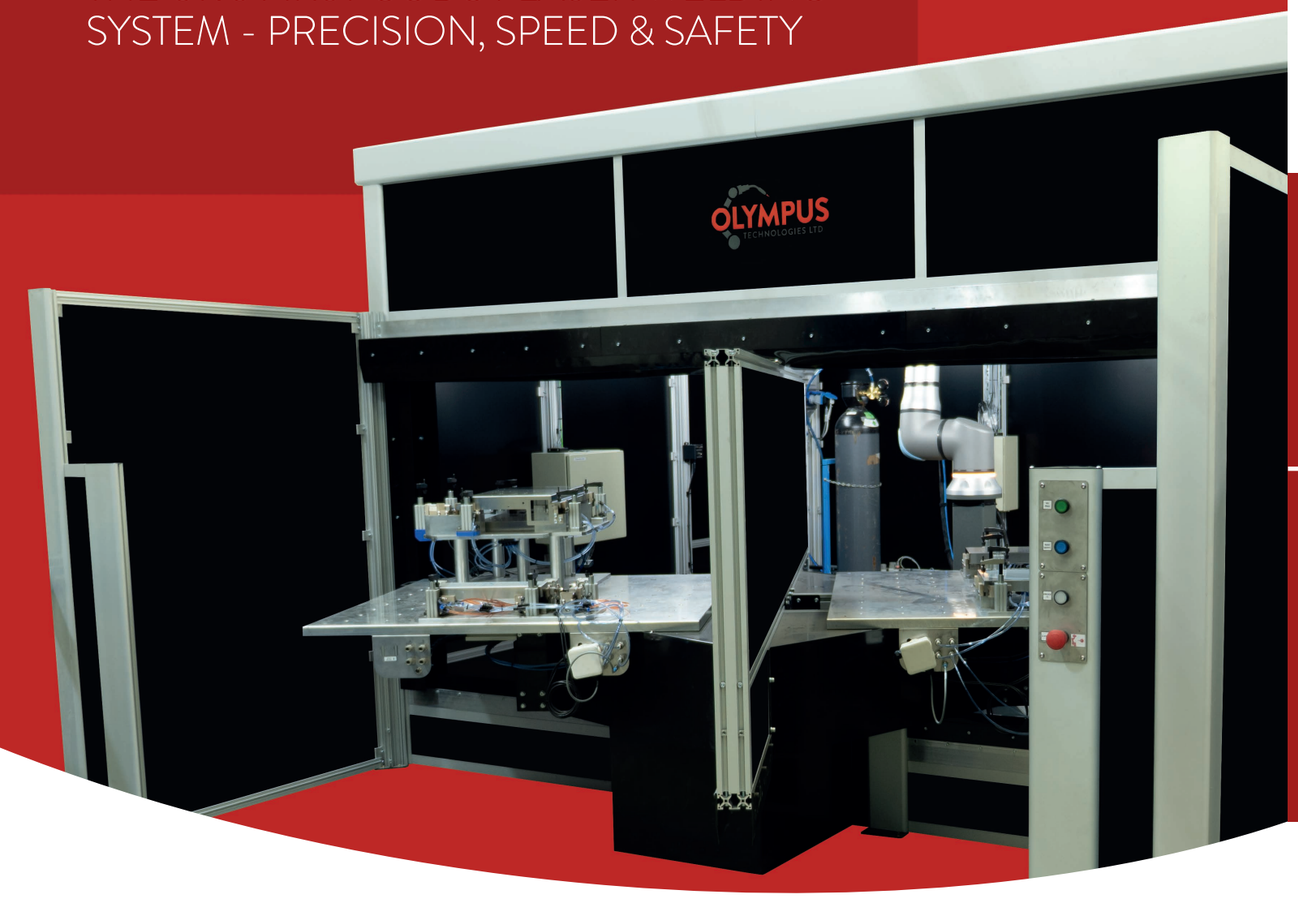
THE UK'S FIRST COBOT LASER WELDING SYSTEM - PRECISION, SPEED & SAFETY



OLYMPUS TECHNOLOGIES IS PROUD TO OFFER THE UK'S FIRST UNIVERSAL ROBOT COBOT LASER WELDING SOLUTION

Designed to provide faster, higher-quality results than MIG or TIG, the Olympus Technologies laser welding system offer exceptional precision, control, and safety, while reducing post-weld processing and material waste.

This innovative system uses fibre laser welding machines to deliver high-speed, high-quality welds on a wide range of metals, including mild steel, stainless steel, aluminium, copper, and high carbon steels.

Whether you're in the automotive, aerospace, electronics, or medical device industries, this solution is tailored to meet your advanced welding requirements.

Advantages:

- Higher welding speed - over 4 x faster than TIG, significantly reducing cycle time
- Consistent high-quality results
- Minimal part distortion and warping
- Decreased post-weld processing
- Fully integrated safety system with interlocked door ensuring operator safety during laser emission

The installed cell is UKCA marked to ensure your safety.

CONTACT US

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Watch our videos on YouTube

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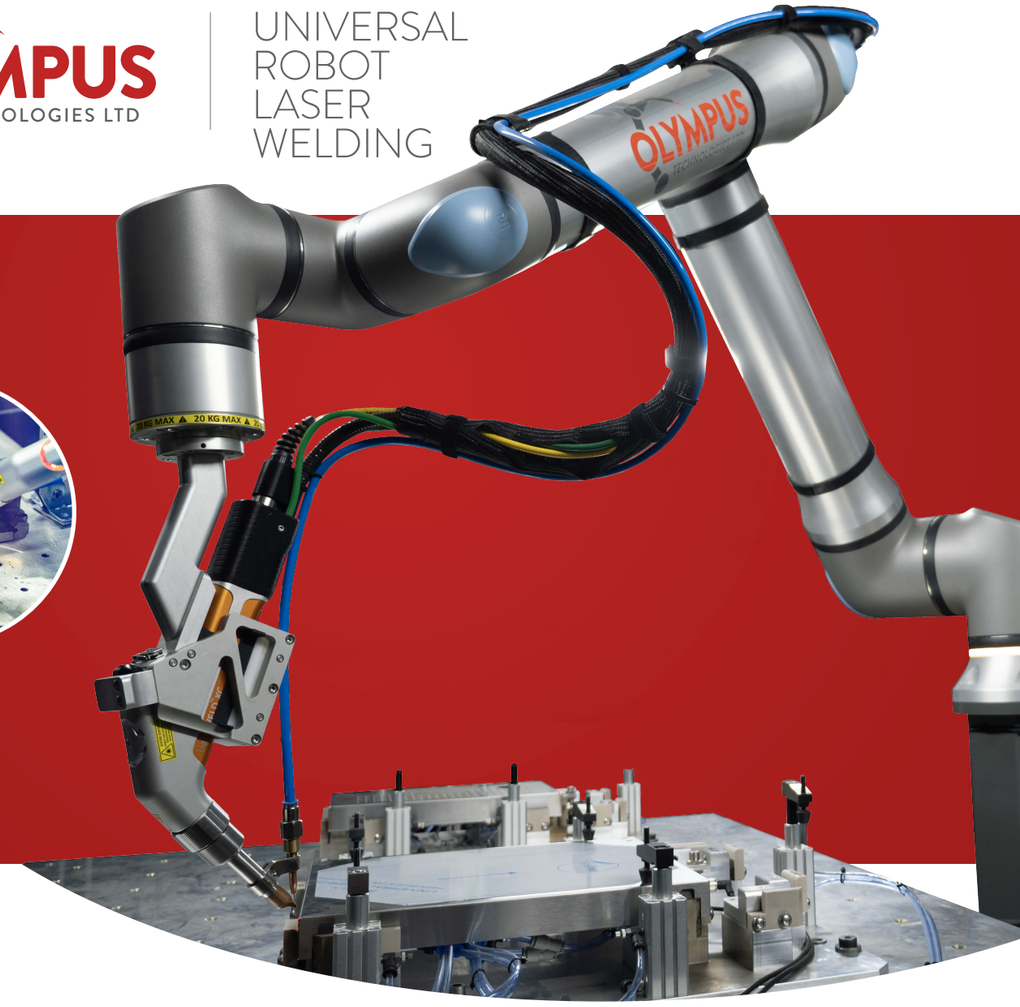
UNIVERSAL ROBOT LASER WELDING





AUTOMATE YOUR REPETITIVE WELDING PROCESSES WITH OLYMPUS' EASY TO OPERATE UR LASER WELDING SYSTEM

- **Over 4 x productivity compared to TIG**
- **Weaving, multipass and quick copy features**
- **Less heat input distortion**
- **Less post-weld clean-up**
- **UKCA marked solution**
- **Consistent quality**
- **Solves welder recruitment issues**
- **Choice of power source**

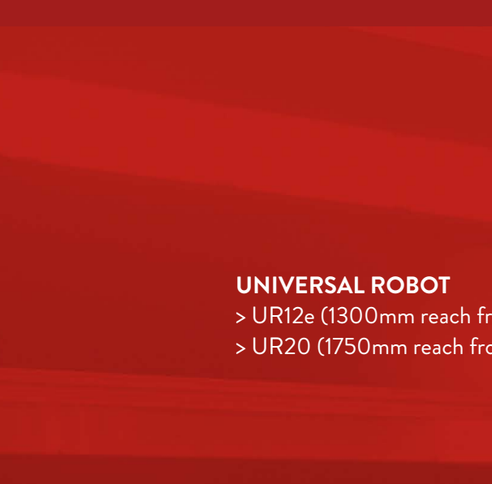
YOUR AUTOMATED LASER WELDING PACKAGE INTRODUCES EFFICIENCY AND ACCURACY

LOCAL FUME EXTRACTION
Options for whole cell extraction or integration into existing centralised system

UNIVERSAL ROBOT
> UR12e (1300mm reach from base without torch) or
> UR20 (1750mm reach from base without torch)

FIBRE LASER WELDING TORCH

EXTERNAL CELL CONTROLS
Safety reset, process release, request access and E-stop



FIBRE LASER POWER SOURCE
(1500W - upgrades available)

OLYMPUS LASER WELDING SOFTWARE
Passes full control of the power source to the robot teach pendant
- Quick copy feature
- Weaving
- Stitch
- Tack

LIGHT SAFE LASER CABIN
Sizes, viewing panel & CCTV options available

ROBOT STAND
Purpose designed and manufactured

INCLUDES

+ DELIVERY
+ INSTALLATION AND COMMISSIONING
+ 2 DAYS UR LASER WELDING TRAINING

Optional Extras: Welding Table, Wire Feed, Turntable and Head & Tailstock

OLYMPUS TECHNOLOGIES LTD