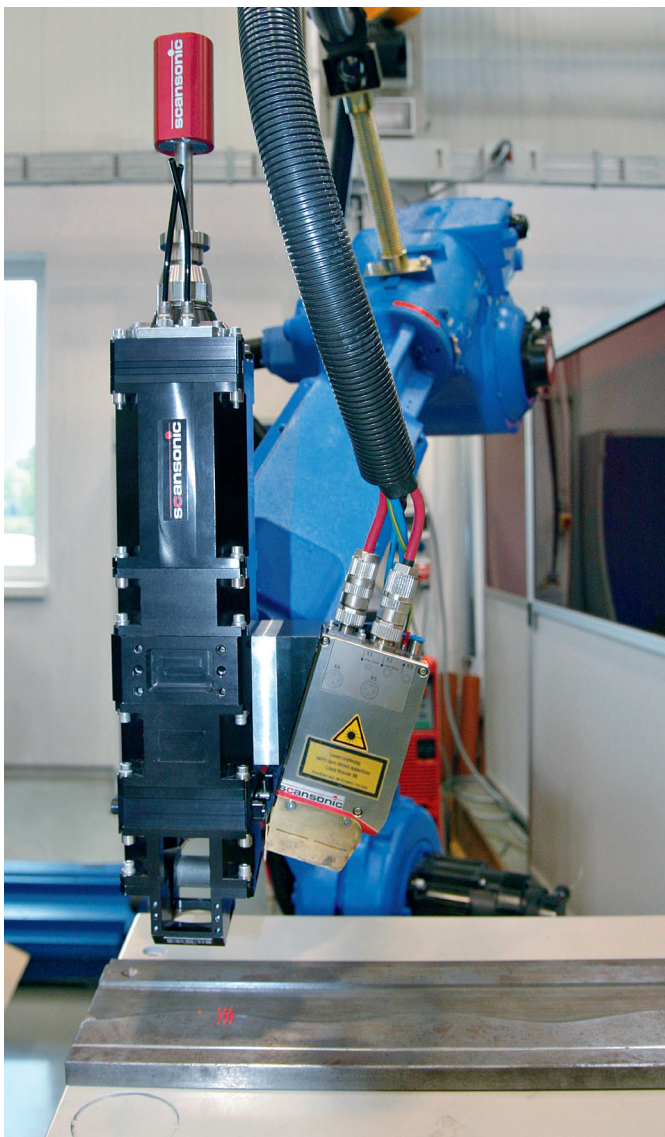


# MOTOEyeLT

Lasertracking



The MOTOEyeLT software allows seam tracking and seam optimisation in real time.

For this purpose, the robot is equipped with a laser camera (preceding the tool) from different manufacturers.

Via the rapid Ethernet connection, the MOTOEyeLT software controls the communication between the components.

In order to achieve optimal welding results, the information from the camera is then processed by the software, allowing necessary adaptations of the robot path, robot velocity as well as process parameters.

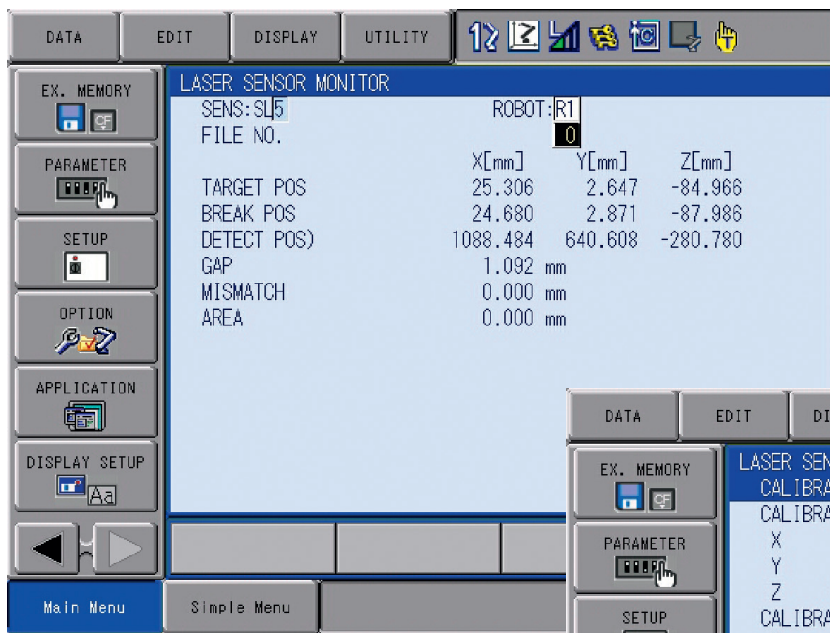
Thanks to preconfigured macros programming is very simple. Moreover, the 40 files for the individual adjustment of the tracking parameters make system configuration easier.

Additional advantages of MOTOEyeLT are the easy calibration with the sensor to the TCP as well as the use of Standard CIO programs (for digital and analogue power source control).

Restriction: If it is necessary/mandatory to adapt process parameters online, the analog output card (YEW) is required and it must be possible to control the power source using reference voltages.

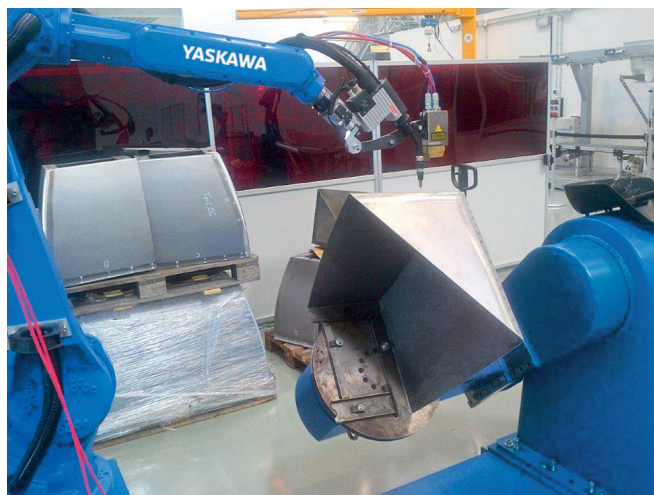
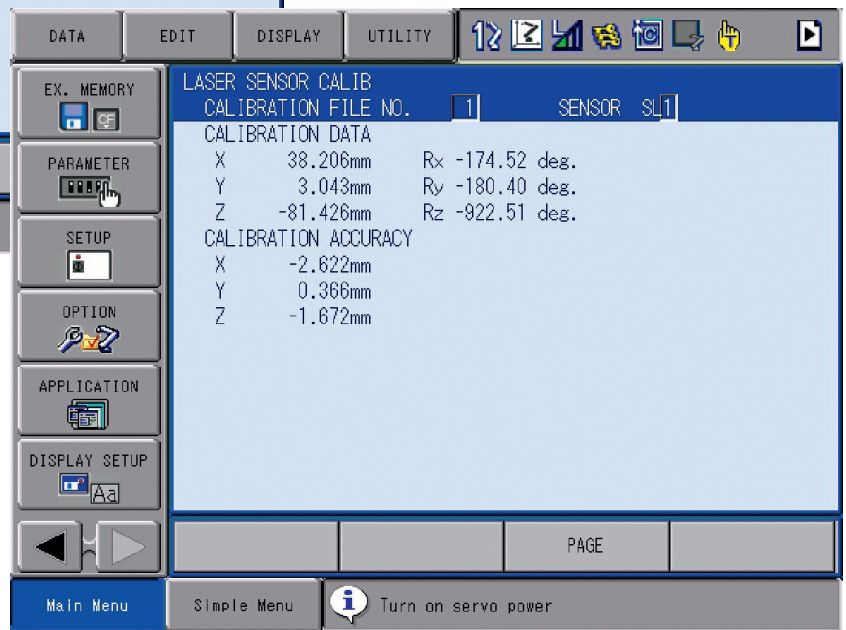
## KEY BENEFITS

- Start and target point search
- Adaptive welding – adaptation of e. g. robot velocity and wire position
- Support of seam tracking sensors from different manufacturers
- Reduction of reworks
- Increased number of faultless work pieces
- Increased cost-effectiveness
- Simple programming with preconfigured macros
- Synchronous tracking with external and/or base axes
- Path record and path play/backplay function
- Simple calibration of the sensor with the TCP
- Use of Standard CIO programs (for digital and analogue power source control)

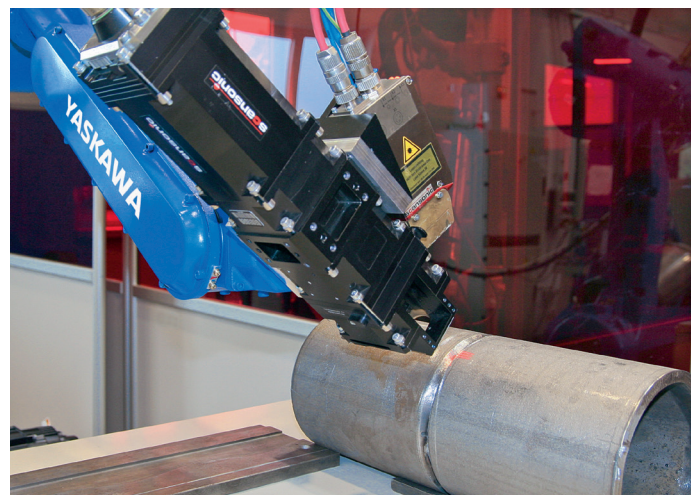


Lasersensor monitor

Lasersensor calibration



Seamtracking with MIG/MAG torch



Seamtracking with laserwelding unit

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Important:  
 For each control unit, this function can  
 be used for (only) one robot.  
 Please request details at  
 robotics@yaskawa.eu.com.

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