

LWS080-RT
flexible, laser soldering cell



Standalone
Autonomous production
cell with rotary table,

Features

Laser Safety Housing

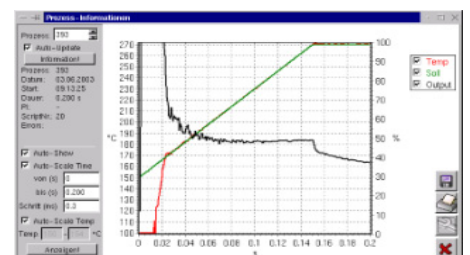
Custom specific axis modules in portal or flatbed design

Up to 5 NC axes with step motors and ball screws

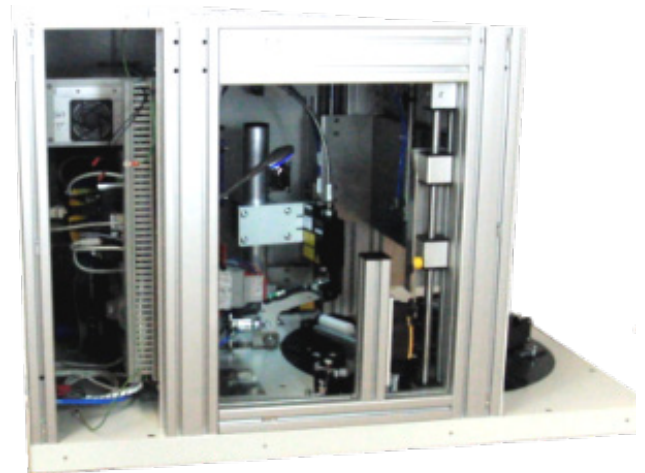
Rotary indexing unit with two segments, optional with additional drives for tool handling

Powerful software tools for quality assurance during production:

- LASCON ® Quality control for the laser process
- Video monitoring with LASCON ® Camera Manager
- Flexible CNC Programming Soft-PLC
- Ethernet Connection



- Structure is free-standing
- Construction with alumina profiles
- Stable base frame as option
- Access from the front
- Illuminated internal cabinet
- Turn table in combination with lifting door
- Forced shutdown of laser system when opening lifting door by safety switch
- Integrated Safety PLC for secure process management
- Potential equalization for ESD sensitive parts
- Diode laser up to 200 watt light output
- Laser heads with integrated camera and pyrometer
- Integrated LASCON[®] Quality control
- Unique laser process controller
- Video surveillance of the laser process
- Flexible CNC Programming with Soft-PLC
- Weight approx 250kg
- Foot print only 1,4 m x 0,9 m
- Power supply: 230VAC, 50/60Hz, fuse with 16A



Laser Head

Co-axial beam path for Laser, Video and temperature measurement



Controller Features:

- 10.000 times Temperature measurement per second in the laser focus
- Temperature controlled laser power within milliseconds
- Internal data storage for about 5.000 process hours
- Process monitoring in real time for pre-defined parameters
- Simple programming language for process scripts.
- The LASCON controller can store up to 255 scripts
- Video Camera for process visualization



You are solely responsible for selecting the appropriate product for your application, validating and testing your application, and ensuring your application meets applicable standards, and any other safety, security, or other requirements.
Data are subject to be changed without notice.

ultimate laser processing

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