

LWM operator training

Seminar:

Operator training Laser Welding Monitor system (LWM)

Target group:

Operator and installer

Objectives:

Gain all the skills needed to install the LWM system and, if necessary, make corrections in the parameterization and create new reference curves.

Parameterization is practiced by working with customer data on training LWM system notebooks.

Alignment, adjustment and maintenance of the sensors.

Duration:

2 Days

Number of participants:

max. 6 participants

Seminar content:

1. System

- a. System overview
- b. HW control (cable, UPS, sensors, HM etc.)
- c. Connection of sensors
- d. UPS
- e. Interfaces to the master system (PLC, Robot, etc.)
- f. Adjustment of the sensors and adjusting the amplification gains
- g. LWM configurations and PLC program structure

2. Software

- a. Definition of terms
- b. Timing diagram
- c. Program structure
- d. Serial number transmission
- e. Operation of the LWM system
- f. Application examples
- g. Error processing
- h. Software operation
- i. Post processing
- j. Parameter wizard
- k. Error probability
- l. Step Teach-in
- m. Result query
- n. Backup / Restore
- o. Remote Control

3. Practical exercises (LWM with SPS)

- a. First commissioning (see LWM installation flowchart)
- b. LWM „ini“ Files (system configuration)
- c. PLC interface control (Gateway, TCP/IP, etc.)
- d. Program mapping
- e. Configuration preparation
- f. Adjustment of the sensors / adjusting the amplification gains
- g. Automatic mode
 - Switch off the automatic mode
 - Access in automatic mode
 - Configuration switch
- h. Set LWM parameters (areas, references)
- i. Evaluation of results
- j. Parameter wizard
- k. Backup / Restore
- l. RAID System / Recovery USB Stick / Bios Settings
- a. Maintenance

End of seminar

After successful completion of the course, a certificate is issued.

Questions

For further information or questions please contact Mr Iannotta at:

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