



sar@VarMark

The sar@VarMark is an innovative laser marking system that was developed using safe technology without a protective housing. This system is particularly ideal for plastic and metal parts, and is ideally suited for all geometries. Bar codes, QR or DMC codes as well as component labels can be applied by this system within specified areas on components using the online process. This system is quite space saving, thus it allows for optimal retrofitting.



Requirements

- Siemens 1500-F controller or Siemens 300/400 for retrofitting projects
- 230V / 24V for supply and EA assemblies
- 5 Bar stable compressed air

Connectivity

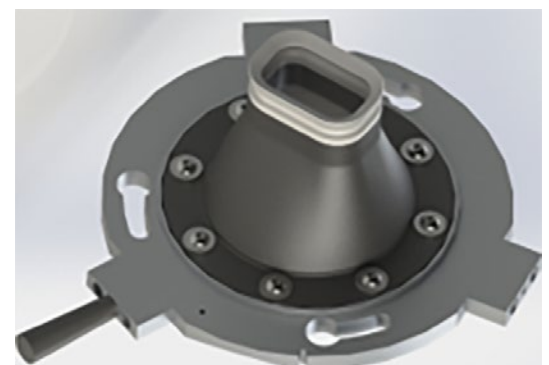
- Siemens ProfiNet
- Siemens ProfiBus (option)
- Rockwell (option)

Previously integrated laser manufacturers

- Keyence (standard)
- DataLogic (alternative)

SAR scope of delivery

- SAR laser package, protection class 1, tamper-proof
- Laser source, hardware and mouth piece with sealing lip / multi-bellows
- Scanner, optional
- SAR control cabinet
- SAR PLC function block
- Labelling for each cycle (multiple labelling option)



Client scope of delivery for maximum flexibility

- PLC function block (laser, air and signal controllers)
- Integration into controllers provided by the client



Comments

- For thin-walled components and transparent material thicknesses, a contour piece in the gripper must be considered as a safety cover in order to avoid burnout.
- At SAR, each laser system is tested and adjusted with the original components.
- Preferred installation direction is downwards towards the ground.
Horizontal installation direction is possible upon consultation.

Technical specifications

- Laser manufacturer: Independent of the supplier
- Labelling time is 4-5 seconds, depending on the label
- Scanning time is 1 second for the external DMC scanner system
- Laser power: 13W/25W for YVO4 laser/YAG laser and 100W for CO2 laser
- Extraction: Independent of the supplier or provided by the client
- Mounting: Pillar assembly or integrated into the automation concept



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