FOBA®
Laser at your service

Optimally prepared!

What to consider when acquiring a marking laser

The acquisition of a laser marker is a large investment for any organization. The correct choice of laser depends on many variables. The best prepared are the ones who maintain a full overview. Our checklist is designed to make your purchase decision as smooth as possible.

Checklist for the acquisition of a marking laser

What will be marked?

- ☐ Material/substrate (e.g. metal, plastic,...)
- ☐ Surface finish (e.g. matt, polished,...)
- ☐ Expected marking effect (e.g. type of marking, how light or dark, engraved, layer removal, etc.)

Where and how should the marking take place?

- ☐ In a **stand-alone workstation**? (Laser marking system in laser safety class 1)
- ☐ In a **production line** (marking laser in safety class 4 would be integrated in a production line or machine)
- ☐ Will a **laser-integrated vision system** be required and beneficial?
- ☐ What **additional workflows** are needed (e.g. automatic mark alignment, quality assurance and control, code reading, OCV, mark traceability, inspection of marking for quality, positioning, ...)?

Supplier of laser marking solutions

- ☐ Educate yourself with an overview of the various available technologies.
- ☐ Ask for a consultation on the relevant technologies and the **calculation of your individual ROI.**

Sample marking

- ☐ Prepare samples with exact requirements (material, mark durability, mark timing, product life cycle, ...).
- ☐ Request a sample marking from the manufacturer.
- ☐ Test completed samples thoroughly (quality and contrast of the mark, legibility, traceability, ...).

Systems und software

- ☐ **Test** the operator usability and all required functions in an application lab or showroom.
- ☐ Collect as much information as possible as a potential operator.

Customer specific requirements

- ☐ Define requirements for **traceability.**
- ☐ Confirm capability to **connect to your ERP system or database.**
- ☐ Review the software for personal customization.
- ☐ Check availability and content of **service packages**, in order to minimize outages.
- ☐ Confirm possibilities for **process validation and qualification of the laser marking system** (e.g. IQ, OQ, PQ, MQ).
- ☐ Plan for **training** of administrators and operators.

Collect quotes and make a decision!

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