SpeedMarker Series

Laser marking systems
Created for automation

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Automation
The use of the laser markers of the SpeedMarker series leads to enormous productivity, supports automation processes and inspires by the simple handling - both in data preparation and in daily work. By marking dynamic data and endless possibilities with AdvancedScripting, the SpeedMarker series is exactly the right choice for machine manufacturers, toolmakers, engravers and job shoppers. Individual components as well as large batch sizes are marked with a laser class 2 system for complete traceability, brand communication or with functional markings. This saves time and reduces your unit and running costs. The efficient production of permanent markings on almost all metals and, with the MOPA option, on many plastics is guaranteed.
The laser markers from Trotec offer you endless possibilities for the design of direct component markings, logos, designs, dynamic data (barcodes, serial numbers, etc.) photos as well as legible 1-point fonts and the smallest geometries. Additionally, they meet the highest quality requirements in terms of legibility and durability of the markings - enabling compliance with the most stringent guidelines such as UID, UDI, etc. The laser cells have a robust design, are designed for longevity and comply with laser class 2

SpeedMarker 100:
Class 4 open laser system
Electric Z axis, for precise focusing
Without casing: maximum flexibility in handling parts any size
SpeedMarker 300:
Compact, high-speed tabletop workstation
Industrial laser marking on the smallest surface
Safe Class 2 Laser System

One software package for all your needs: SpeedMark

SpeedMark has been developed to automate processes marked and contains modules to manage the most tasks common (e.g. production of serial numbers or codes).
These modules are easy to configure and, through control of the Graphic flow, can generate custom marking programs.
From direct data entry to marking
Fully automated: everything is possible, without the need for prior programming knowledge.
• Automatic generation of consecutive barcodes
• Customizable user interfaces
• Materials database to manage parameters marking
• Management of different user permissions
• Communication with external systems, e.g. e.g. bases of data
• Deep or shallow engraving function

SpeedMarker 700
Versatile, mid-size laser marking station
Automatic door for efficient part handling
Software controlled axes, rotary table…

SpeedMarker 1300
Complete galvo laser marking station
Marking of large and heavy pieces and large runs
Maximum flexibility thanks to its X and Y axes controlled by Software

Additional lenses
In addition to the standard F160 lens, there are others with distances different focal lengths, such as F100, F254, F330 and F 420, interchangeable at all times and that will allow you to vary the size of the marking area, so you always have the equipment suitable for your needs.
Automatic and programmable door
To handle parts more quickly and comfortably, the SpeedMarker 700 and 1300 have an automatic door. The electric door is also programmable from the software Speedmark, thus further optimizing the production process.
High performance galvos
Increase marking speed with high-performance galvos, capable of dialing up to 900 characters per second, and Achieve even greater productivity.

Modular concept
Choose the system size that best suits your needs. Additionally, the body of a SpeedMarker system can be equipped with an input tray or with removable sides to enable part marking larger and more voluminous working machines (thus, the system would be a class 4 laser). It can also be expanded the system with work accessories such as conveyor belts or rotating tables.

Rotary engraving accessory
For engraving circular or conical objects, e.g. e.g. rings or tubes, we offer a rotary fixture with different forms of fastening, also controllable by the laser software.

Technical data about the SpeedMarker series

Datasheet

The following technical data appears for the Galvo SpeedMarker machines models SpeedMarker100, SpeedMarker300, SpeedMarker 700 and SpeedMarker1300, the data is arranged in the following pattern: “Feature: SpeedMarker100|SpeedMarker300|SpeedMarker 700 | SpeedMarker1300”, this way the data is shown below:

Exterior dimensions (W x H x D) in mm :375 x 666 x 800 |572 x 653 x 851| 780 x 1802 (1662) x960| 1300x1790x960
Minimum marking area (depending on lens) in mm: up to 240 x 240 |up to 190 x 190| up to 310 x 310| up to 310 x 310
Available axes: Z | Z| Z, X| Z,X,Y
Maximum working surface in mm (segmentation using the axis system):–| –| up to 630 x 310| up to 1120 x 635
Maximum height of the manipulable piece in mm:399|250|570|557
Laser source: Pulsed fiber laser, maintenance-free Air-cooled Pulsed fiber laser, maintenance-free Air-cooled Pulsed fiber laser, maintenance-free Air-cooled CO2 laser.| Air-cooled Pulsed fiber laser, maintenance-free Air-cooled
Laser power: 10 – 50 W| 10 – 50W| 10 – 50 W (fiber laser)30 and 45 W (CO2 laser)|10 – 50 W
Door: –| Manual | Automatic| Automatic
Laser safety class :4 |2 |2 |2
Maximum marking speed: 10,000 mm/s (640 cps) – optionally, 15,000 mm/s