SMG II

CO_2laser marker for industrial applications

Powerful
Extensive development work and robust construction make the SMG II 25 suitable for rough industrial environments. Its high reliability and open system architecture make the system perfect for integration into industrial production lines.

Compact The SMG II 25 laser marker offers compact dimensions and does not need additional cooling. The use of sealed-off technology makes gas refills unnecessary – an ideal prerequisite for economical operation at low maintenance cost.

Universal Plastics, glass and organic materials like wood, paper or leather can be marked in a durable, fast and secure fashion with the SMG II 25 laser marker. With many years of application experience, we find the best marking solution even for the most complicated challenges in close cooperation with our customers.

PowerLine®D

Diode-pumped laser markers with 100 watts output power

- High productivity with up to 1200 characters per second
- Ease of integration in existing production equipment through modular design and specific OEM version
- Low operating cost through highly efficient pumping process with laser diodes
- Maintenance-free for more than one year due to long diode life
- Air- or water-cooled models available
- User friendly operating software VisualLaserMarker under Windows XP Embedded

PowerLine® E

laser markers with a wide range of applications

PowerLine E (1064 nm)
PowerLine E SHG (532 nm)
PowerLine E THG (355 nm)
PowerLine E LP (long pulse laser)

The PowerLine E is a universal laser marker with outstanding functionality. Various wave lengths and different configurations enable a wide range of applications.

Universal
Our comprehensive know how enables us to find the optimum solution for every material and every kind of marking task. Glass, metal or plastics, grayscales or barcodes – with a wide selection of technical options best results are guaranteed.

Flexible
A compact laser housing of only 500 mm length and the integrated air cooling facilitate easy mounting into our handlings and into customer-specific installations.

Fast
High-pulse frequencies provide particularly short marking times while the long pulses of the PowerLine E LP guarantee high removal rates in metal marking. The outstanding mechanical and optical quality ensure precise marking results and reliable operation in tough everyday industrial environments.

Worldwide service is ensured by international branches and representatives of the ROFIN Group.

PowerLine® F 20

Fiber technology with compact design

Wide range of applications

The PowerLine F 20 is a diode-pumped, q-switched fiber laser specially optimized for marking applications. Nearly all metals and polymeric plastics can be economically processed with this laser beam source.

Efficient use

This diode-pumped laser source excels in high diode life and allows several thousand operating hours at minimum maintenance and at attractive total operating costs. The system is air-cooled and needs only 300 watts.

Small dimensions

The space-efficient design of the PowerLine F 20 facilitates integration into existing production environments. A flexible optical fiber connects the very compact laser head with the supply unit where the laser beam is being generated. Marking of plastics

PowerLine® E Air

All air-cooled laser marking solution

Low operating costs

Each component of the PoweLine E Air laser marker works with efficient air-cooling. The operating costs of the system are low due to reduced energy consumption and use of advanced air-cooled technology. In order to perfectly meet specific application requirements, the laser markers of the PowerLine E Air series are available in two different power ranges. They mark different materials with alphanumeric contents, graphics, gray- scale pictures, barcodes and matrix codes at high quality and within a short time.

Modular

The PC (2 rack units) and the supply module (3 rack units) of the laser marker PowerLine E Air Series are housed in standard 19‟ modules. The compact laser head has a length of only 500 mm and can be integrated together with the supply and control components in customer-specific or ROFIN-supplied laser workstations.

PowerLine®IC-E

Rofin's family of fully programmable IC Markers combine advanced solid-state laser technology with high-speed, accurate processes to provide identification marks with excellent optical appearance and durability. Today, these kinds of marks are achieved at low operating cost through the use of diode-pumped Nd:YAG lasers. Long-life diodes allow maintenance-free operation for more than one year. Users benefits from high productivity and the improved mark quality of the laser system. Its compact and modular design makes customized integration easy.

- Diode-pumped Nd:YAG laser linked with high-speed mark head and special IC mark software provides high speed marking with outstanding flexibility and excellent mark quality
- Writes more than 1000 characters per second at 1mm size
- Computer-controlled line width and penetration guarantee consistently high quality mark results
- Double and twin mark head configurations meet customer-specific requirements and further increase productivity
- A modular design and optical fiber delivery enhance flexibility, reduce footprint and simplify integration
- Long-life pumping diodes provide maintenance-free operation for over one year
- An efficient pumping system allows air cooling and keeps the operating costs low
- Integrated optical inspection option provides mark inspection and positioning