

Superior Laser Marking with Economy and TableTop Convenience

Challenge

Manufacturers of components, parts and finished products in many industries – from automotive components through medical devices to consumer goods – all share a common need to produce high-quality permanent marks on single pieces up to medium batch sizes. Many of these manufacturers are also moving to decentralized marking where not only every global location has its own marking setup, but where every single production line has a dedicated marking capability. This creates a need for compact, economical laser marking systems to support fast laser marking on a variety of metals, plastics and other materials, but with the same high-quality results typical of larger footprint machines.

Solution

The EasyMark (and EasyMark XL) from Coherent is a compact benchtop laser marking system that meets all these requirements. It features a moving laser head and stationary part platform, a combination which delivers three key benefits. It maximizes mark accuracy and consistency, simplifies the design of tooling to hold the part during marking, and speeds part loading and unloading during production. Marking precision and quality are further enhanced by the use of high-performance optical and mechanical components throughout. The superior beam focusing in the EasyMark also enables miniaturized concealed marks, including micro QR codes.

The well-proven industrial software in the EasyMark emphasizes ease of use, by simplifying and integrating mark design, preview, and execution. Plus it easily links to external data bases, e.g., for serial number logging, process documentation, etc. This software suite also provides the option of simplified 3D engraving with the unique Coherent APP Suite software.

The EasyMark is available with a choice of three different nano-second fiber laser sources, including a 20 watt Varia laser whose flexible output can be fine-tuned to specific metal and polymer applications.

Benefit

Applications for EasyMark include jewelry, consumer products, medical devices, machine tools, hand tools, and automotive parts. Both large and small manufacturers will benefit from the winning combination of the EasyMark, the Coherent application labs strategically located on most continents, and the company's experienced worldwide support team.

Application Field

Marking metal and plastic parts, components, and products.



Figure 1: The EasyMark is a compact benchtop laser marking system. The EasyMark XL is slightly taller to support longer focus and larger workpieces.



Figure 2: This economical solution is ideal for marking a wide range of metal and plastic surfaces.



Figure 3: The same EasyMark can also create deep 3D engraving.

Contact

Wolfgang Illich, Product Line Manager, Munich, Germany
Email: wolfgang.illich@coherent.com