

Medical Device Marking

Laser Marking Workstations



MicroLase™ Alpha M

- Compact & Efficient Design
- Fiber, UV & Green Laser Sources
- Automatic Door

MicroLase™ Alpha I

- Fiber, UV & Green Laser Sources
- Increased space & field size
- Manual or Automatic Door



SCHMIDT

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Medical Device Marking

FDA UDI Compliance Marking

Why Laser Marking?

The FDA requires medical devices to have a unique device identifier (UDI) so they can be traced from the time they were manufactured, through their distribution, on to final use.

Laser marking is non invasive and does not upset or displace the medical device material.

Laser marks are corrosion resistant and can withstand many sterilization processes such as, passivation, centrifuging, and autoclaving.



Benefits

- Permanent Identification
- Product Traceability
- Improves Patient Safety
- Simplifies Product Recalls

UDI Marking

- Serial Numbers, Date & Lot Codes
- 2D Data Matrix and 1D Barcodes
- Graphics, Logos and Trademarks



Types of Materials

Metals

- stainless steel, chrome-plated steel, titanium, anodized titanium, platinum, and more

Plastics

- polycarbonate, ABS, PEEK, HDPE, silicone and more

Laser Sources

SCHMIDT offers a variety of *Fiber, Green and UV lasers* excellent for laser annealing, heat marks on metals, and high quality high contrast marks on plastics without using any solvents or additives.

The lasers produces a low local heat that changes the color of the surface layer. The resulting mark is a permanent and the surface of the material remains intact eliminating grooves and the potential for bacteria to grow.