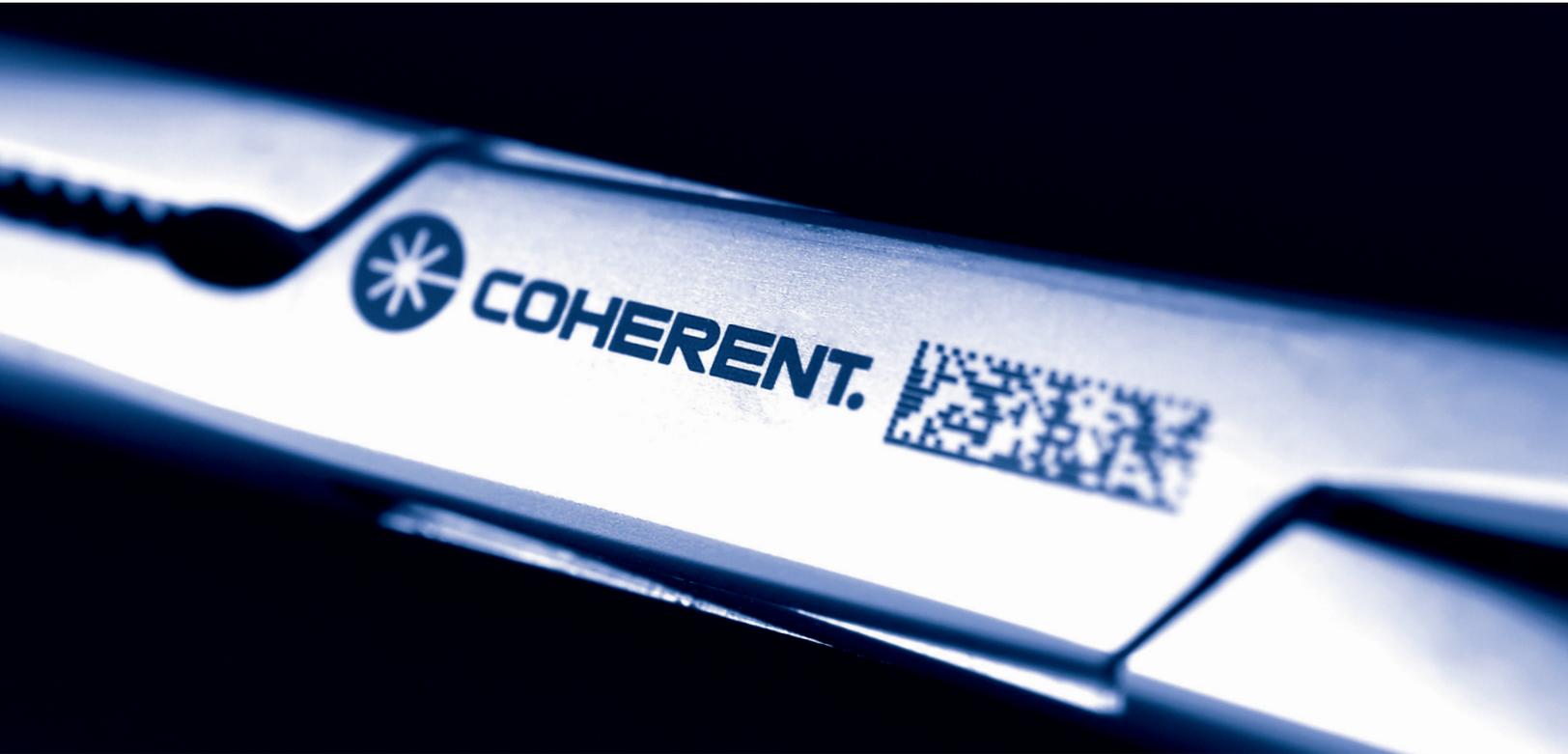


BLACK MARKING



Corrosion-Resistant Laser Marking
of Medical Devices

Black Marking with Ultrashort Pulse Lasers

The Coherent optimized picosecond laser sub-system provides a turnkey solution for permanent unique device identifier (UDI) marking of stainless steel devices. It delivers a contamination-free, sub-surface mark with very high contrast without the corrosion/passivation and fading that is associated with conventional thermal laser marking.

The same sub-system, using the same optical configuration can be used to mark other materials as well, e.g. titanium, anodized aluminum, and even plastic material like PEEK/PPSU. This saves costs and increases efficiency.



PowerLine Rapid NX

Dedicated Laser Sub-System for Corrosion-Resistant Marks



Applications Examples

Stainless Steel

Titanium

Anodized Aluminum

Plastic Material like PEEK/PPSU

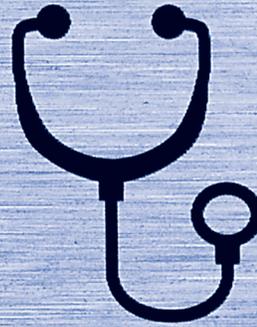
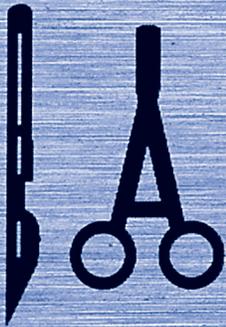


FEATURES & BENEFITS

- High-contrast mark, not sensitive to angle of view
- Indestructible and non-corrosive marking of a broad range of metals
- No fading after multiple autoclaving cycles
- High throughput process, easy to automate
- Contamination-free sub-surface mark
- Minimal thermal stress extends applicability on fragile and/or small parts
- No need for post processing, e.g. passivation



UDI



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