

## PRODUCT

### Cardiovasculaire stents

X-Suit NIR® biliary metallic stent sets a new standard in stenting performance.

X-Suit NIR is made from Nitinol alloy using Medinol's proprietary, high-quality, in-house QualitySurface™ manufacturing technology (Laser MicroJet).

LMJ used for:

- Cutting stents out of a Nitinol sheet



## CHALLENGE

### Perfect cut on a challenging material alloy

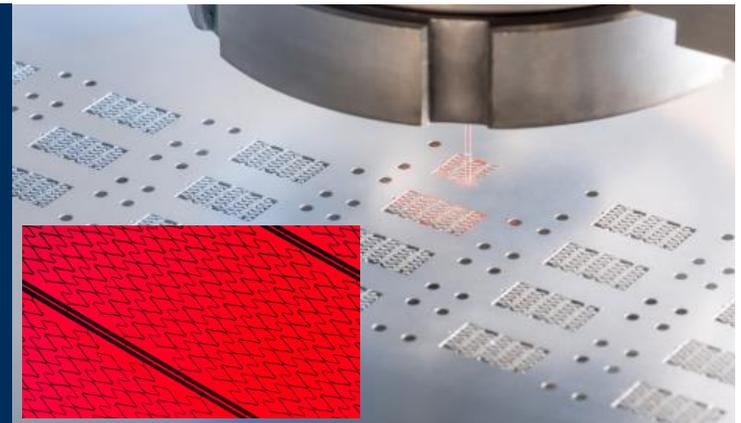
The previously applied etching technology had to be replaced by a more flexible, faster process

Main processing criteria:

- No reduction in strength
- No heat affected zone (HAZ)
- No deformation
- No burrs
- Perfect verticality
- Narrow tolerances
- Controlled /homogeneous roughness

Machining technologies able to reach these criteria:

- Etching
- Laser MicroJet (LMJ) - water jet guided laser technology



## SOLUTION

### No HAZ, production-proven, better ROI

LMJ advantages versus Etching:

- Faster
- Production-proven
- Low consumables
- High stability, high flexibility

Installed machine type:

- 6 x LCS 300
- 50 W IR laser



LCS 300

