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

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

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

Sources: Medinol.org websites, Synova