

NanoLaze™

Femto- & Nanosecond Laser Technology



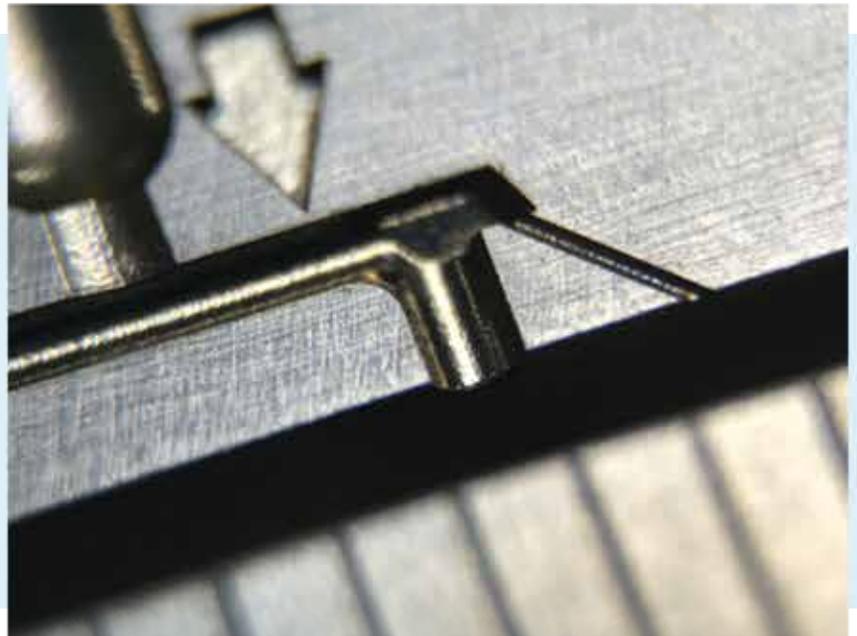
With NanoLaze™, Precision Coating's 5-axis interchangeable laser configuration, your **texturing and marking** projects can be done in one setup, saving you time & money. Our high frequency, low-temp pulse lasers can mark convex and concave surfaces & polymers, resulting in low adhesion and friction on your **Orthopedic & Advanced Surgical** products.

Solutions for

- Branding
- UDI Marking
- Antimicrobial properties
- Osseointegration

Applications

- Syringe Cores
- Ocular Implants
- Surgical Tools
- Shoulder, Spinal, Knee, & other implants needing tissue generation



Advantages

- **No manual layout:** texture limits are determined by 3D CAD data.
- **Depth control:** working in slices/layers allows for a high degree of depth control across the surface of a mold.
- **Single setup:** apply multiple patterns in one time-saving setup.
- **3D patterns:** ability to texture 3D geometric patterns & technical grains not possible with acid-etching process.
- **Finishing:** consistent finish across dissimilar mold materials, inc. materials of varying hardness.
- **No media blasting:** less material removal & less risk of damage to parting lines.
- **Green process:** high frequency pulse vaporizes substrate, so no hazardous waste.