

PRODUCT

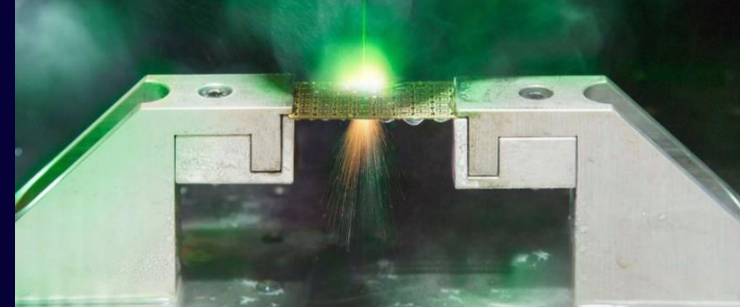
Various high-tech components for MedTech/Micro-machining industries

Micro-machining of high-tech parts:

- Functional parts
- Medical parts cutting for implants or needles
- Electromagnetic parts
- Semiconductors and insulators

LMJ used for:

- Prototyping to larger series (up to 10k pcs)
- Cutting and drilling – damage free processes



CHALLENGE

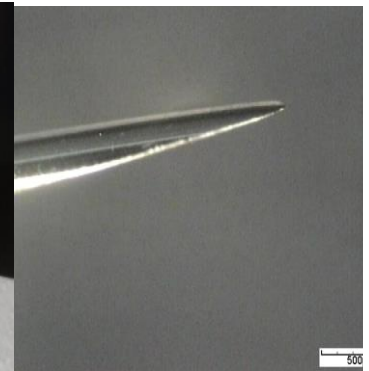
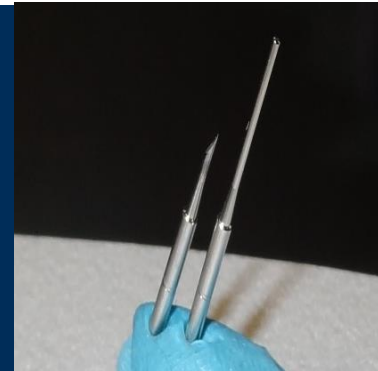
Flexible & stable tool for perfect/heat damage free processes

Main processing criteria:

- Wide range of materials
- No heat affected zone (HAZ)
- Sharp angles without rounding
- Perfect verticality
- Narrow tolerances
- Very low stress machining

Machining technologies able to reach these criteria:

- EDM (partially)
- Laser MicroJet (LMJ) - water jet guided laser technology



SOLUTION

Best flexibility, ease to use, able to reach expected top quality and tolerances, production-proven, better ROI

LMJ advantages vs EDM:

- Unique solution for specific high-tech applications
- Flexibility
- Processes also electrically non-conductive materials
- Production-proven
- Very short warm-up and set-up times

Installed machine type:

- 1 x MCS 300, 3-axis
- 100 W green laser

