

## Cartier (Luxury watches), Switzerland

Watch case-01 Date: 23.07.2020



### Various watch components for luxury goods

Micro-machining of high-tech parts:

- White & pink gold bracelets for the "Ballon Blanc"
- Functional watch parts

LMJ used for:

- Large series (up to 25k pcs)
- Cutting and drilling movement parts for the Richemont group



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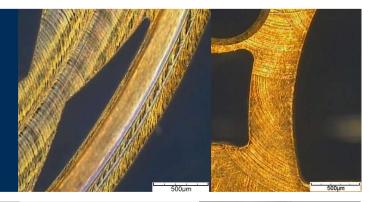
### Flexible & stable tool for production and prototyping

Main processing criteria:

- Large throughput (up to 10 k bracelets in 6 months)
- No burrs
- No heat affected zone (HAZ)
- Process flexibility: any kind of metals
- Perfect verticality
- Narrow tolerances
- Controlled/homogeneously generated roughness

Machining technologies able to reach these criteria:

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



#### Best flexibility, ease to use, able to reach expected top quality, production-proven

LMJ advantages versus stamping:

• Better ROI for >10 k pcs

LMJ advantages versus EDM:

- Flexible solution from prototype to series
- Production-proven
- Very short warm-up and set-up times

Installed machine type:

- 1 x LCS 300
- 100 W green laser



