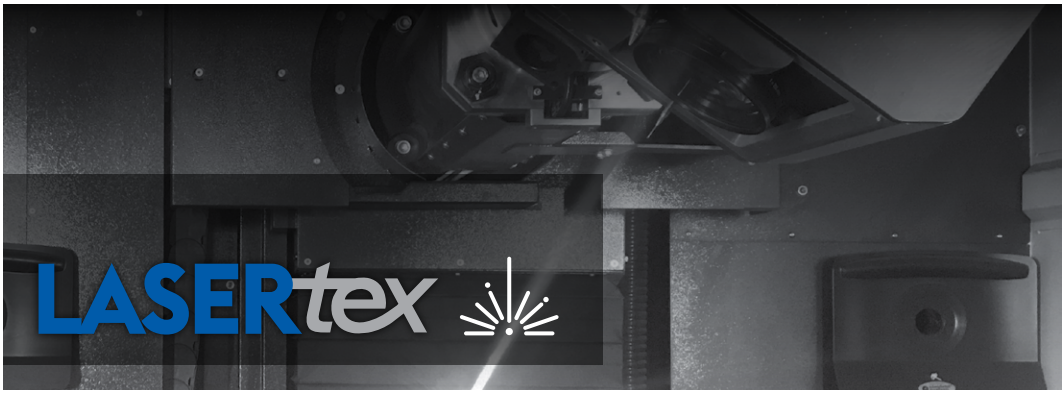


Worldwide biggest 5-axis FEMTO laser machine

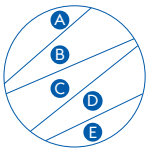
NEW HORIZONS FOR TEXTURE APPLICATIONS

AT A GLANCE

- Fully digital process chain with high repeatability
- Unlimited freedom of design
- Direct lasering of 3D textures
- Suitable for steel, aluminium and with some restrictions - for electrode materials (copper, graphite, tungsten)
- Capability for ultrafine (<1µm) hybrid morphing textures with very fine details and enables precise surface lasering
- High Precision Quality Check by GOM/Zeiss Scanning System with the possibility of Reverse Engineering

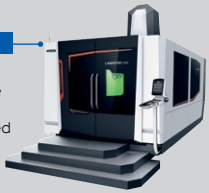
Our modern **LASERtex** studios in Germany, France, Portugal Marinha and UK, offer state of the art laser textures, from ultra-fine to prominent geometric patterns. It can also process tools with weights of up to 20 tonnes. We also offer 5-axis **LASERtex** services worldwide with carefully selected partners.

The innovative 5-axis **LASERtex** uses laser ablation where a laser beam removes layer by layer from the tool surface of a plastic injection die. This produces multi-layered surface textures, ranging from complex architectural or geometric patterns to textile, natural patterns and fine textures. This method is also suitable for manufacturing functional surfaces such as for light reflection, friction, aerodynamics, etc.



5-AXIS FEMTO LASER

The largest 5-axis FEMTO Laser in the world with high precision and speed offering new opportunities for texturing.



COMBINATION OF FEMTO & NANO

GF LS 1200 U FS Hybrid improves your texturing performance to achieve unparalleled texturing productivity without compromising your quality. Perfect for ultrafine textures with <1µm of depth.

THE POWER OF ULTRASHORT PULSE LASER

A Color laser

B Micromachining capabilities
The new femtosecond solutions allow for sharper geometries, lower Ra levels and higher brightness. It brings the laser into the micromachining world.

C Endless diversity in laser materials
Applied for all kind of steel: aluminium, coatings PKD, CVD,PVD, ceramic, saphire, glass, semiconductor, plastics, composites etc.

D Laser blasting capabilities
The laser blasting offers superb surface homogeneity to ensure perfect surface continuity and contouring. It gives users the ability to increase the depth perception with very shallow textures.

E Fine details and finest textures
With only 10µm in diameter of each pin.

(2023/12)

Find more information about us at:

www.eschmanntextures.com

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