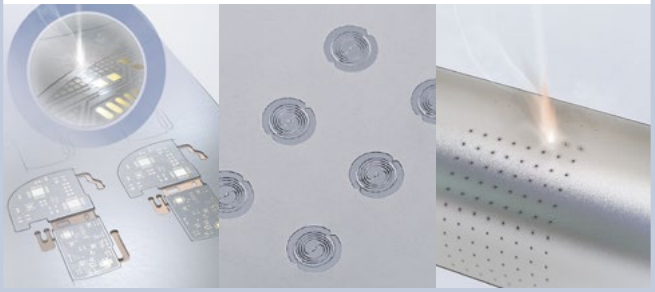
TruMark laser solutions – more than just marking

Applications

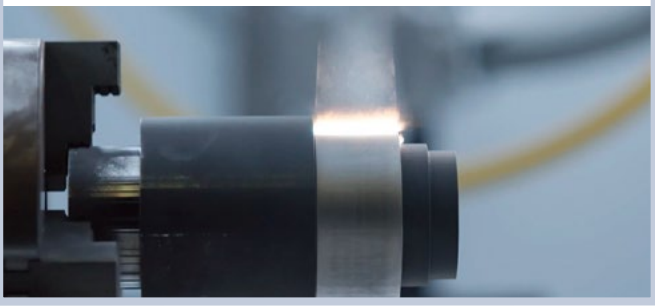
Marking: Permanent and high-contrast marking for traceability

Engraving: Material removal for design, tool manufacturing and mould making

Microcutting and drilling: High-precision processing for fine mechanical components, electronic circuits and medical devices



Surface treatment: Cleaning and structuring to improve adhesion, corrosion resistance and functional surface properties



Materials

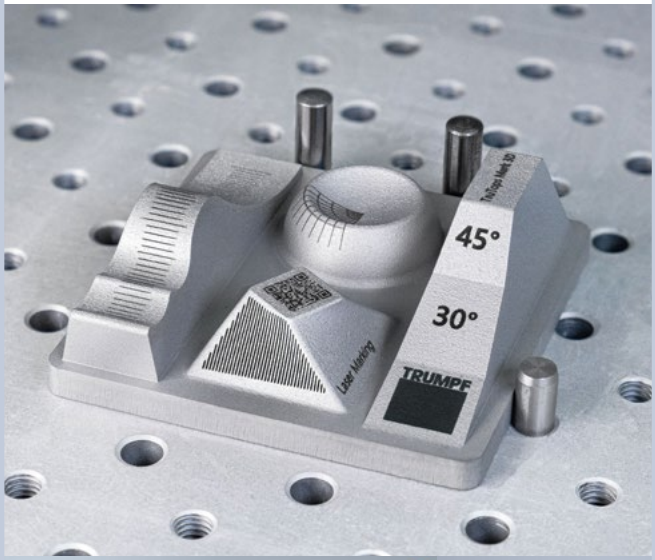
Metals: Aluminum, steel, titanium (coated and uncoated)

Polymers: PE, UHMWPE, POM, PC, ABS, PA, PBT

Other materials: Glass, wood, stone, ceramics

3D capability

Enables accurate laser processing of complex geometries



Productivity begins with the right laser. Scan here to find yours:
www.trumpf.com/s/g706u5

From OEM laser sources to complete marking systems

Two flexible approaches

OEM laser sources: Available in infrared (with nanosecond or ultrashort pulses) and ultraviolet wavelengths

Complete marking systems: Turnkey solutions with laser source and work station, available in different sizes and configurations (e.g., with rotary axis and rotary table)

Key features

Seamless integration and customization: Adaptable to various production environments with tailored solutions for different levels of automation

Intelligent vision system:
Optical recognition for part detection, positioning and real-time verification of laser markings

Marking on the fly:
Real-time laser marking during continuous material movement, increasing throughput in high-speed production lines

High process stability:
Long-term laser reliability with intelligent power control and real-time monitoring to ensure repeatable and precise results

File conversion:
Direct processing of PDFs and images into marking files

TruMark – beyond marking, delivering precision and productivity for your production line.

Take a look at our TruMark laser portfolio:
www.trumpf.com/s/v5p97s

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