

Laser marking

The future is here – now

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PERFECTION. PASSION. PROCESS.

Modern manufacturing and integrated production increasingly require individually marked components. The marking of surfaces out of stainless steel, aluminium or plastic using laser technology is not only a cost-efficient alternative to silkscreen or pad printing techniques. In particular, marking with the help of a high-performance laser offers huge potential for individually tuned applications. For example, serial numbers may be assigned or barcodes created using this method.





For the marking process, the laser beam is focused on the work piece. The laser light is absorbed by the material and reacts according to the type and quality of the material. As a result, the appearance of the material changes at the precise spot where the laser beam hits the surface. Depending on the material, markings are applied by engraving, colour-change, foaming, ablation or annealing processes. The use of the thin laser beam makes it possible to generate extremely fine but very precise markings.



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Front plate, stainless steel 1.4301 2 B
Line brushed, grain 180
Annealed marking

Cover, stainless steel 1.4016 2 R
Laser welded
Satinated, annealed marking



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