



EHG tube laser cuts

The entire process optimised

Laser-cutting replaces several classic machining methods: punching, sawing, drilling and milling are combined in one process step without applying force to the material. Compared to conventional types of machining, this reduces the amount of time required by up to 80%.

Follow-up processes are also far more efficient; frames can be welded more easily due to precise, diagonal 3D laser cuts, individual parts can be fitted together more quickly with slotted/pin connections, and semi separated tubes can be bent more easily – to name just a few applications.

Ready for the future

With so many possible laser-cutting options available at EHG, you are perfectly equipped to face challenges now and in the future - whether made-to-order or serial production, parts with a variety of different characteristics are machined quickly and precisely.

Open profiles and special shapes can also be cut, in addition to standard profile shapes. Any kind of contour can be cut, or thread inserted, to meet countless intended purposes.

Our experts will be happy to advise you!

Your benefits

- Production you can rely on: precise cutting of any desired special profile shapes
- Shorter production time: implementing complex contours and recesses in a single process step
- Reduced costs: less outlay for warehousing and handling, no need to make tools
- Clean production: burr-free cuts, round pipes have flawless inner surfaces
- Reliable and fast assembly: clear allocation thanks to laser-etched codes



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Machinery

EHG tube laser cuts are made with ultra-modern systems that are state-of-the-art:

- Adige LASERTUBE LT FIBER
- TRUMPF TruLaser Tube 5000
- TRUMPF TruLaser Tube 7000



Machining range

Dimensions	
Square tubes:	12x12 to 180x180 mm
Rectangular tubes:	10 to 140 mm per side, max. 110 mm difference between sides
Round tubes:	ø 12 to 254 mm
Flat material:	40x5 to 120x10 mm
L-/C-/U-shaped profiles:	30x20 to 70x70 mm (area 1) 55x30 to 120x120 mm (area 2)

Special cross-sections:

Many shapes possible, dimensions on request.

Thread cutting

M4 to M16

Friction drilling

M4 to M10

Max. material thickness

Structural steel: 10 mm
Stainless steel: 6 mm
Aluminium: 5 mm
Copper: 2 mm
Brass: 3 mm

Max. weight

37.5 kg/m or 225 kg in total

Max. length of finished part

8050 mm

Processable file formats

DSTV, DWG, DXF, GEO,
GRA, IGES, IGS, JPG, PDF,
STEP, TIF, X_B, X_T