

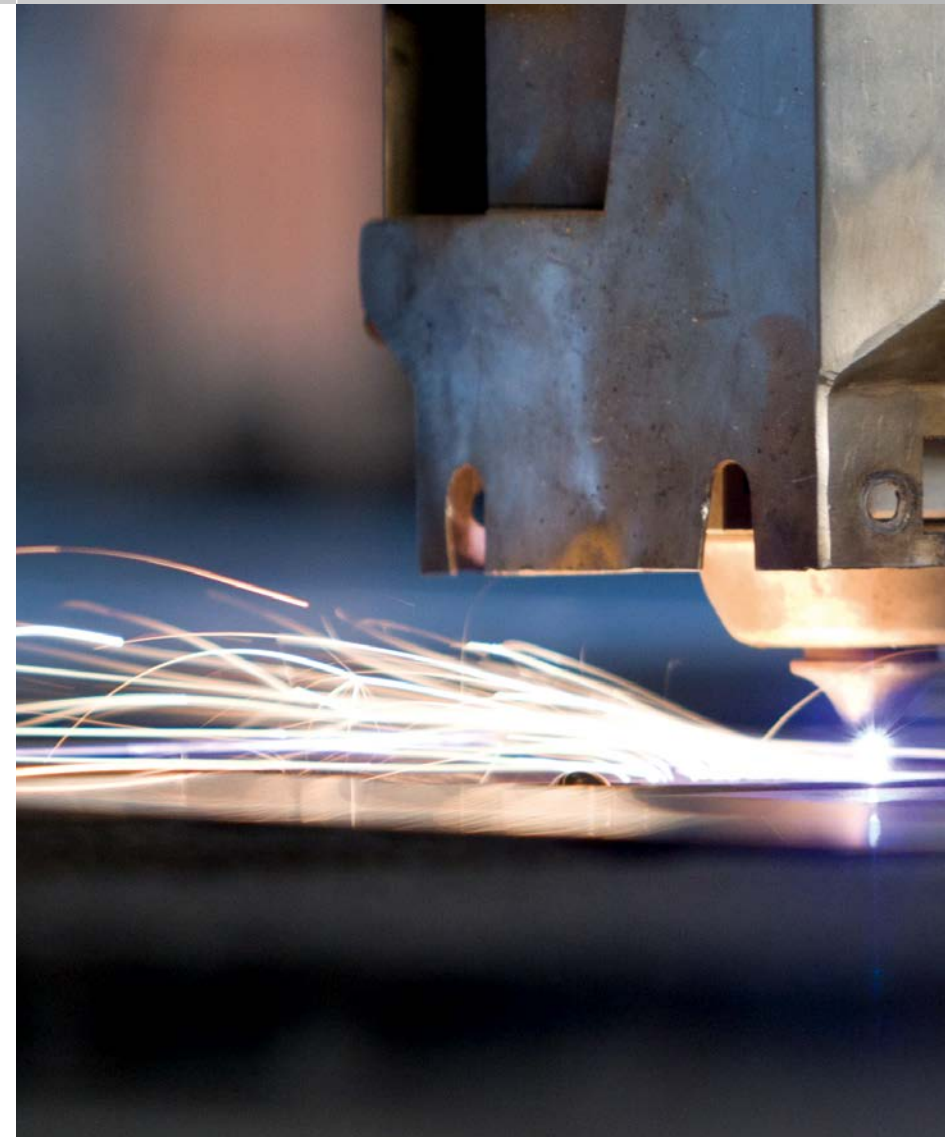
Laser cutting

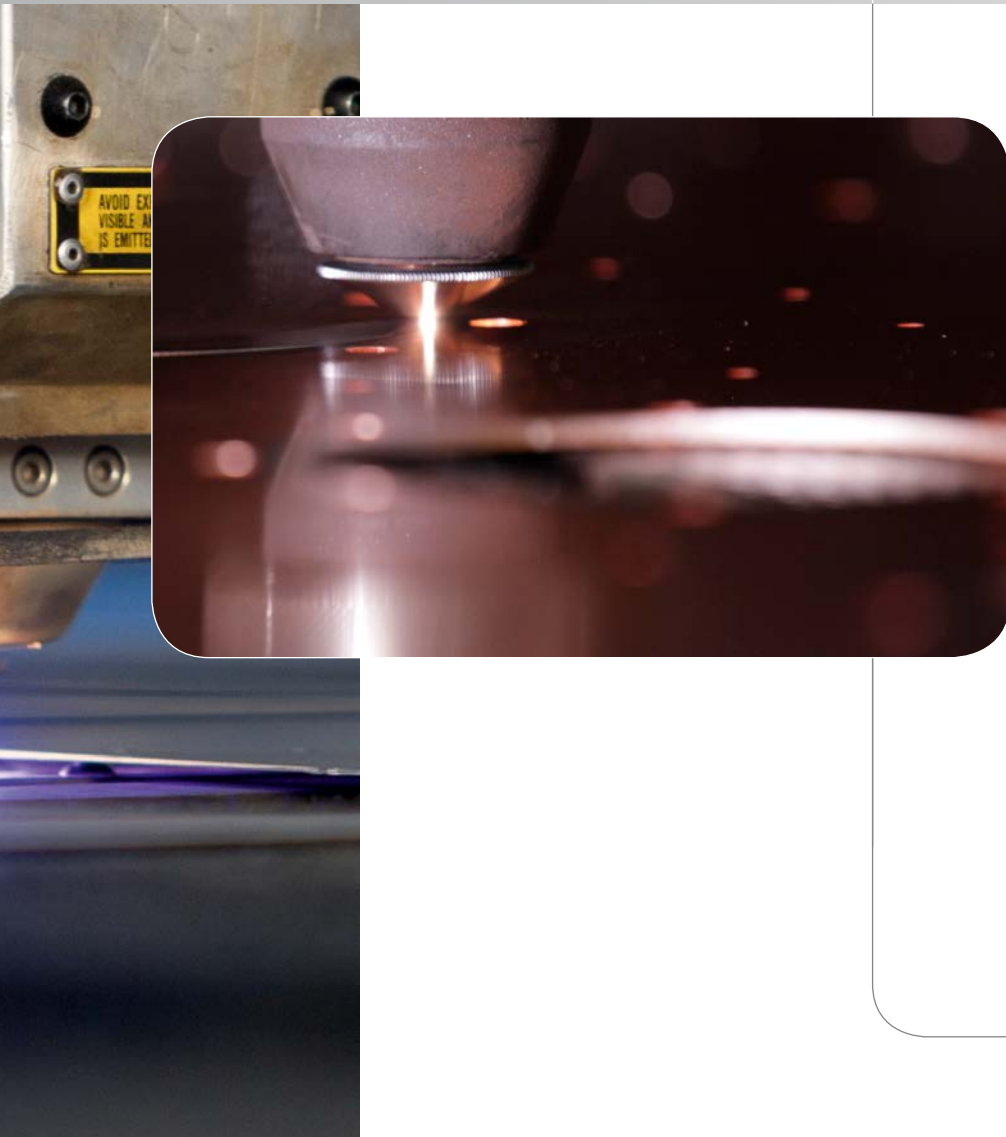
The future is here – now

HA-BE

PERFECTION. PASSION. PROCESS.

Bundled, organised light describes the meaning behind the concept „laser“. Whether delicate, finely shaped outlines or complex geometries, metals can be cut rapidly, efficiently and accurately using laser technology. Due to smooth and almost burr-free cut edges, finishing processes are no longer necessary. High flexibility without the need for tool-changing makes this technology particularly suitable for small and medium batches as well as for prototyping. HA-BE uses state-of-the-art laser cutting machines of market leaders. Depending on the requirements of the individual project, we use CO2 lasers and for the first time since the end of 2010, we have also been employing fibre lasers.





Especially the fibre laser is of great importance. Considering that it has been almost impossible to process non-ferrous metals and titanium with traditional CO2 lasers so far, the wavelength of a fibre laser now enables a revolution in the processing of non-ferrous metals. Due to its very small wavelength, the pulsed fibre laser is able to cut highly reflective materials such as titanium, aluminium and particularly copper. The high speed of the laser clearly reduces the production time.

In addition, the minute width of the laser beam of 0.3mm makes it possible to maximize the degree of material utilization substantially. So far, HA-BE has been able to reduce the consumption of materials by up to 25% in projects it has implemented. Major cost saving potential can thus be generated in view of the prospectively rising prices for raw materials.

HA-BE



Chassis, electrolytic copper
Combined punching and laser processing

Chassis with heat sink
Cooling fan, air baffle plate and cable clamp
Heat sink, drawn profile

