

Stress-free operation with optimised surface quality and bending properties – Ruukki Laser



With over 15 years of laser expertise, Ruukki has shortened throughput times in sheet metal working with the flat and low-stress Ruukki Laser sheets.





Optimized surface quality

- micro oxide scale

The surface quality is extremely important when laser cutting thick sheets and plates. Target is that as much of the energy of the laser beam as possible is available for the cutting process and heating of the sheet is kept to a minimum. This is why Ruukki developed the micro oxide scale surface, specifically optimised for the laser cutting process. The advantages over standard sheets are crucial for greater sheet thicknesses in particular:

- Improved quality of the cut edge
- Higher cutting speed
- Better yield
- More flexible component geometry

Unrivalled steel for bending

In contrast with standard sheets, Ruukki Laser sheets stand out due to their constant mechani-

cal properties and extremely tight thickness tolerances. Thanks to the Dead Flat process, harmful internal stresses in the Ruukki Laser sheet are eliminated. The advantage for the bending process is that springback variation is minimised and outcome is outstanding dimensional accuracy. This enables efficient working with fixed equipment settings and allows faster and disruption-free production, resulting in saving time and costs.

Unmanned production

The unchanging properties of Ruukki Laser offer ideal prerequisites for troublefree unmanned production and automated further processing. The minimal variance of the mechanical properties and the tight thickness tolerances from batch to batch guarantee that the production runs without disruption.

Ruukki is a metal expert you can rely on all the way, whenever you need metal-based materials, components, systems and total solutions. We constantly develop our product range and operating models to match your needs.