



## Your entry into the world of laser cutting Laser Cutting System integrated

The key advantages of LCS integrated are the high throughput and the possibility of parallel system loading. This is ensured optionally through a dual shuttle table or a round table.

### Further advantages of LCS integrated:

- ✓ Task-specific industrial laser
- ✓ Dual shuttle table
- ✓ Parallel loading
- ✓ Set up for suction adaptor
- ✓ Set up for further automation
- ✓ Meets increased safety demands by completely closed work space
- ✓ High throughput
- ✓ Optimal reproducibility of processing procedures
- ✓ Fully automated processing
- ✓ Integrable into automation lines

gKteso has developed the 5-axis Laser Cutting System (LCS) integrated for precise 3D-trimming and target processing of various materials. Aside from this innovative cutting technology's key benefits, the system disposes of either a dual shuttle table or a round table, allowing cycle time-concurrent loading which subsequently results in low cycle times and high throughput. Compared to LCS base, LCS integrated is equipped with an additional shuttle table enabling a significantly higher throughput. LCS integrated is a contemporary 5-axis laser cutting center that also permits processing of complex, three-dimensional outlines. Even areas of limited access or three-dimensional apertures may be processed precisely through laser cutting. LCS integrated cuts materials in two steps. Firstly, the laser beam is absorbed at the cutting front carrying in the required energy for cutting. Subsequently, the cutting nozzle, disposed concentrically with the laser, provides the process gas while protecting the focusing optics from vapors and splashes and pushing the removed material out of the kerf.

# Laser Cutting System integrated

## One solution – many applications



LCS integrated by gKteso is the perfect solution, as there is hardly any material that is able to withstand a powerful laser. Steel plates, stainless steel constructions or complex workpieces are cut multi-dimensionally and precisely. The variety of objects that may be cut with lasers ranges from heavy to light-weight, from thin to thick. Particularly in the supplier industry, the Laser Cutting System (LCS) integrated ensures fast and process-reliable cutting of components made of steel, stainless steel or aluminum. Steel may have a thickness of up to 40 mm, stainless steel of up to 50 mm and aluminum of up to 25 mm. Laser cutting systems by gKteso are also the optimal choice for precise insertion of holes or gaps into plastics, paper or glass.

### Technical data

Workspace	500 mm x 500 mm x 200 mm
Total size	2000 mm x 1800 mm x 2900 mm
Color	RAL 7024 / RAL 7035
Laser	Optionally CO <sub>2</sub> -Laser, green laser, solid state laser
Maximum velocity	1 m/s
Repetition accuracy	0.05 mm
Path accuracy	0.1 mm
Control	Bosch-Rexroth