The multifunctional 3D laser processing machine
For cutting, welding, drilling and perforating of metals, plastics, composites (e.g. GFRP, CFRP) and many more.

Maximum Flexibility
- Can be provided as an „inline“- or „stand alone“ machine
- Various types and degrees of automation for product loading and unloading are available
- Cutting, welding, drilling and perforating complex geometrical product designs made possible via 5-axis system
- The possibility of using different LASER types (solid state laser and CO2 at different power levels) optimises adaptability to your product material
- Can be connected to external networks

Saving Potential
- High output due to large working area and high axis speed
- Minimisation of tooling costs
- Low tooling set-up costs and rapid tooling changes
- No tooling wear and tear
- High processing flexibility

Supreme Quality
- Adapted LASER power and high quality beam guarantee supreme processing quality
- Material tests on our lab machine are the basis for perfect machine set-up and LASER source selection

Long Lifetime
- High quality LASER sources guarantee constant LASER power and a long lifetime
- Careful choice and usage of machine components from well known producers - optimal adaption to each application
- Integrated and fully automated lubrication of guide units
EACH LASER PROCESSING MACHINE IS PERFECTLY ADAPTED TO CUSTOMER REQUIREMENTS.

**Machine Data**
- 5-axis system for 3D processing (option: execution with 3 or 4 axis)
- Solid State Laser (Fibre Laser) or CO2 Laser
- PLC - multi-touch panel including error diagnostics system and password level function
- Driven by servo drives with high repeat-accuracy (+/-0.02mm)
- Axis movements:
  - X 1500 Y 900 Z 600 mm +/-120°/n*360°
  - X 3000 Y 900 Z 600 mm +/-120°/n*360°
  - X 3000 Y 1500 Z 800 mm +/-120°/n*360°
  - X 4000 Y 1500 Z 800 mm +/-120°/n*360°
- All working areas are optionally adaptable.
- Integrated lubrication system for all axes

**Product Loading and Unloading Options**
- Compact
- Turntable system
- Shuttle system
- Bar loading system
- Workpiece circulating system

**Options / Upgrades**
- Inline automation
- Enlargement of the working area for bulky products
- 3D processing software (CAD/CAM)
- Use of robot technology
- Extraction system for dust, vapor and gas
EXCELLENT SERVICE

- On-call service and immediate telephone support
- Remote online maintenance
- Maintenance and breakdown support
- Preventive maintenance
- Spare part service
- Training
- Production support
- Process optimisation