



**LASERVORM**

*Laser Machines • Laser Processing • Wear Protection*

# WITH LASER TECHNOLOGY into the fast lane



Efficiency, innovation and resource-saving production are the key factors to success when it comes to vehicle construction. Laser technology offers wide-ranging opportunities to optimise production for vehicle manufacturers and suppliers. Whether cars, motorbikes, utility vehicles or agricultural machinery, Laservorm is your partner for laser processing, technology development and laser machine construction.



Fully automated laser cladding process with concentric powder injector



Installation of a laser welding unit as a part of a complex assembly line



## Service+

- Laser hardening
- Laser welding
- Laser cladding
- 3D Laser material processing
- Sample manufacturing
- Resource-saving production
- Short cycle times, uniform quality
- Process control
- Technology consulting
- Special machine construction
- System conversion or expansion
- Maintenance and repair

### Laser job order production

With 15 modern laser units, we cater for all your laser welding and surface processing needs. Laser welding allows precision seams at high speeds, laser hardening hardens surfaces at a depth ranging from 0.1 to 2 millimetres. Casting materials can be subject to point or linear loads after partial remelting.

### Laser machine solutions

Whether a general purpose machine for a range of applications or a special laser machine, we build your laser equipment to order. We are intimately familiar with the specific requirements of the vehicle industry: We integrate the laser process into your production line and offer advice in terms of the selection of technology, type of laser and equipment. In addition, we offer comprehensive maintenance and services.

### Technology consulting

Use our experience for your benefit: Our experts will advise you on the properties of laser welded joints and support you in the laser-optimised construction of components. We also offer assistance in the introduction of new products and for series production (e. g. PPAP) and even provide operator training or application consulting.

### Specific applications

Laser welding can be used for components of transmission mechanisms, gearshift forks, switching shafts, coupling parts or torque-transmitting parts. Laser surface hardening can be used for wear protection coatings of component areas subject to significant stress. Laser welding can be used for the creation of joints on weld critical materials, laser drilling for airbag parts or injection nozzles for diesel engines.

### Service and quality

Take advantage of our customer service: We offer additional services such as ultrasound parts cleaning, assembly and fitting processes, reports (PSW, MCS, PCS) and tests (metallographical cross-section, load testing, hardness measurements etc.). We are ISO 9001:2008 certified and operate primarily to TS 16949 standards.





We are ISO 9001:2008 certified and use a modern, cross-sector production planning, resource planning and maintenance management system.

**Drive**  
We are located in the Saxon city triangle Chemnitz-Dresden-Leipzig. You can either use the Chemnitz East motorway exit (A4) or that of Leisnig (A14). The nearest airports are Leipzig or Dresden.

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