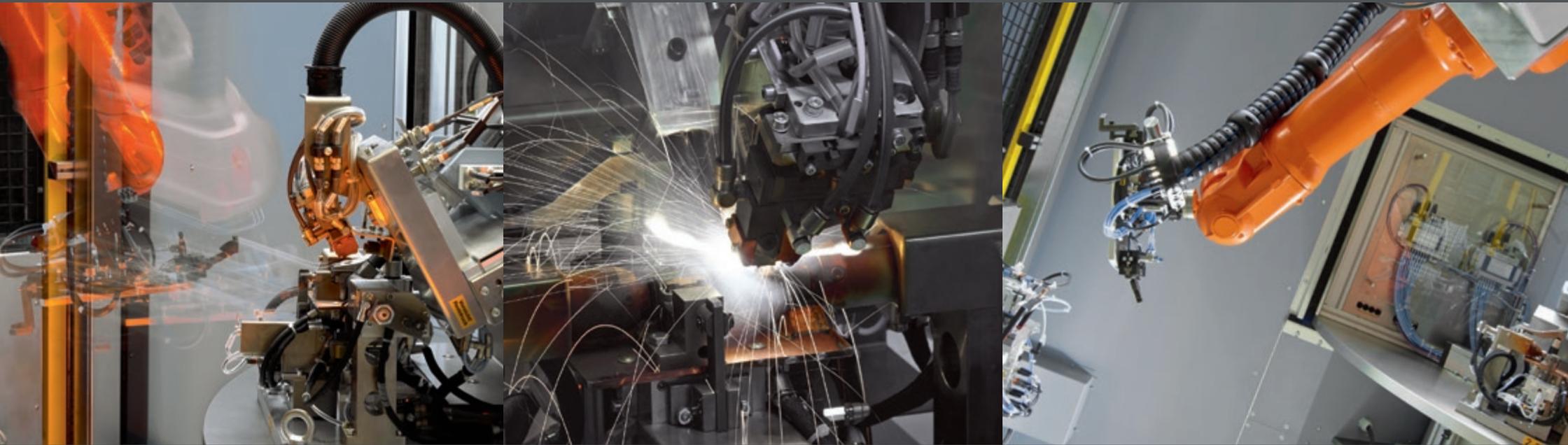


# SITEC



LASER SPECIAL MACHINES – INDIVIDUALLY MADE TO MEASURE



With regard to the efficient use of laser technology in series production, SITEC is a globally valued partner and manufacturer of laser processing machines.

Why is that?

Because for more than 25 years we have been successful as system supplier for customized laser machines as well as integrated laser solutions and always think that decisive step ahead. Or sometimes even outside the box.

With highest flexibility, precision and in certified quality we put our professionalism and experience at our customer's service.

**We are looking forward to your challenging tasks.**

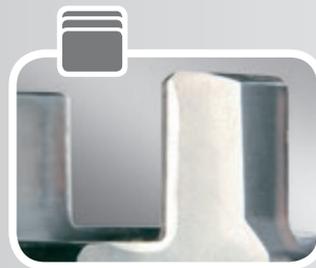
Cerified according to: ISO 9001  
ISO 14001  
IATF 16949



Cutting



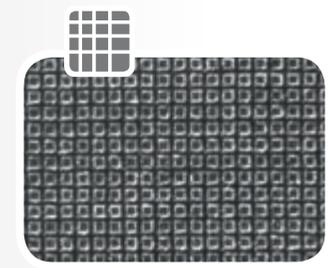
Welding



Hardening



Drilling



Structuring

**MECHANICAL ENGINEERING** | SERIES PRODUCTION

## INDUSTRIES | REFERENCES

Well-known customers from various industries appreciate our technology competence and experience in the construction of laser machines.

### Automotive

- Powertrain, E-mobility
- Power electronics
- Battery systems

### Medical engineering

Electrical engineering | Electronics

Telecommunication

Renewable energies

- Fuel cells

Mechanical engineering

Series production and contract manufacturing



**MORE THAN 25 YEARS**  
experience in laser material processing

**248 EMPLOYEES**  
highly qualified and motivated

**MORE THAN 600**  
machines delivered worldwide

**MORE THAN 15 YEARS**  
own laser technology center

## WHAT YOU CAN EXPECT FROM US.



Technology  
development

Prototyping

Fixtures

Mechanical  
engineering

Service

As **system supplier and general contractor** we offer complete and process reliable manufacturing solutions for your products. With a scope of services ranging from technology development, prototyping to the planning and realization of your laser machine and up to comprehensive service we are your professional partner.

We master your individual demands with **solution expertise in automation and laser technology** – from the stand-alone-system up to automated assembly lines.

- Robot solutions
- Gantry variants
- Rotary transfer machines
- Sliding tables | workpiece carriers
- Scanner solutions

Integrated solutions

- based on VARIOMODUL®
- based on standard laser machines series LS
- customized according to your requirements

## LASER MACHINES WITH ROBOT SOLUTIONS

From laser robot cells up to complex interlinked assembly and manufacturing systems with integrated laser processing we realize fully automated solutions by using different robots of well-known manufacturers.

The spectrum extends from the classic industrial robot up to collaborating robots to facilitate the work of your employees. This way you achieve a high degree of automation and increase process reliability for machine loading and part transfer.



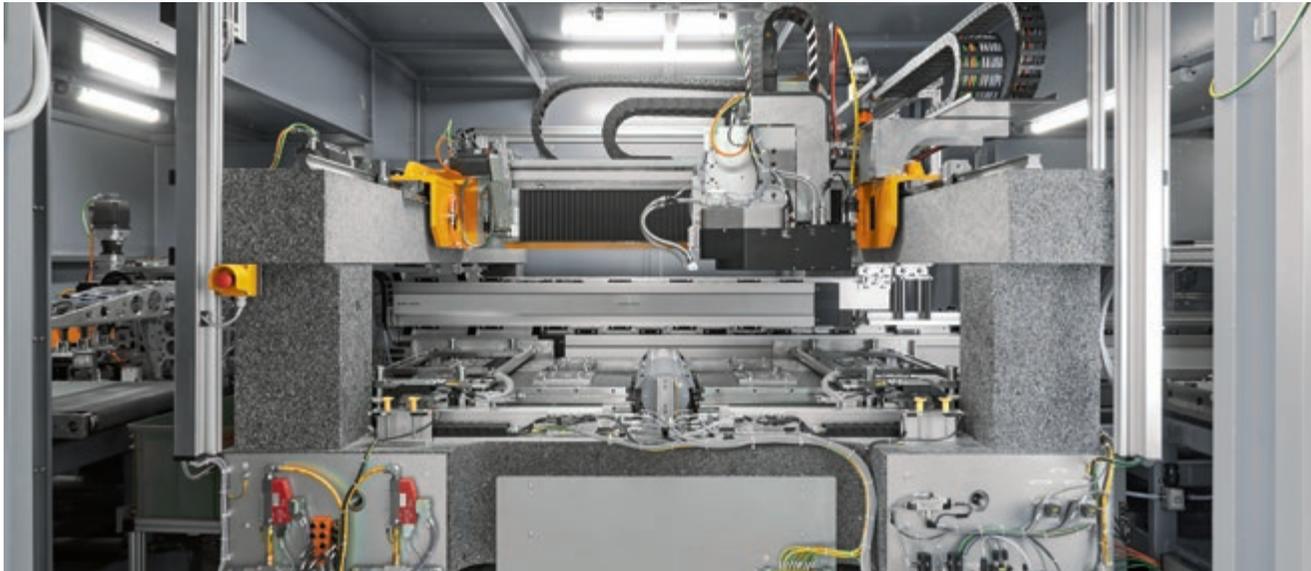
Industry solutions



## LASER MACHINES IN PORTAL DESIGN WITH SCANNER SOLUTION

Our laser welding machines as scanner solutions are designed to ensure a high-speed machining of parts with continuous seams or with several lock-stitch seams due to high processing speeds and a minimization of non-productive times. In combination with our image processing system this creates

a complete object recognition and scanner unit, which adjusts adaptively to your workpieces. Highest machining accuracies will be achieved due to a vibration-damped and precise mounting of the linear axes on the mechanical basic structure made of granite.

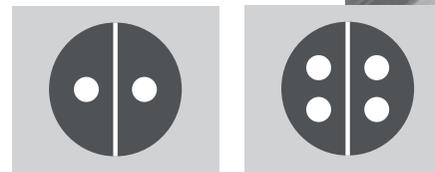


Industry solutions

## LASER MACHINES WITH ROTARY INDEXING TABLE

Due to working at parallel cycle times our laser machines with rotary indexing table guarantee a highly efficient production. Highest flexibility is offered by a 4-axis-system with a motor-driven swiveling laser head and CNC-controlled axes.

Standardized tensioning systems enable a precise and fast mounting. Optionally it is possible to integrate several processing optics for synchronous welding at low distortions.



Variations of rotary indexing table

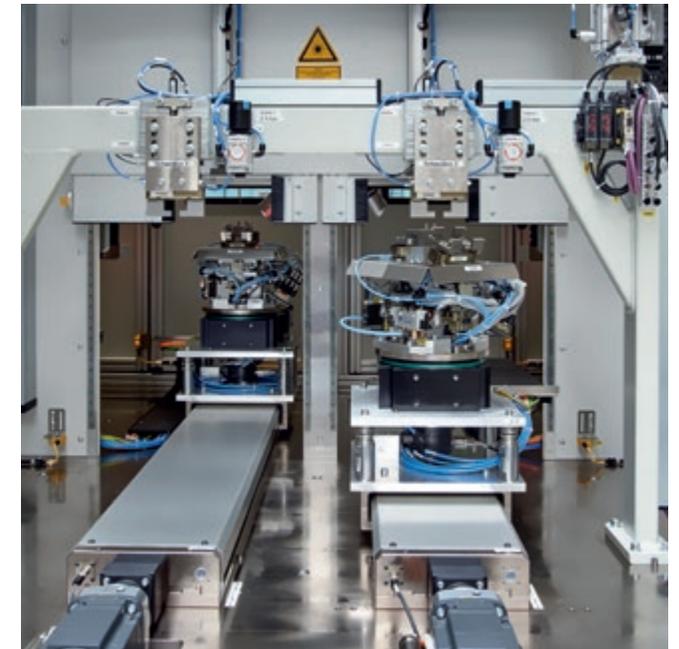
Industry solutions



## LASER PROCESSING AS INTEGRATED SOLUTION

We realize **entire production systems** for you. Depending on your choice of automation from semi-automated to fully automated we integrate diverse assembly, laser, testing, handling and transport processes with highest process reliability.

Efficiency and cost-effectiveness are the focus of our attention when it comes to the laser configuration.



Technology competences  
for entire systems



Assembly



Inserting



Screw  
inserting



Gluing



Welding



Dispensing



Marking



Testing



MDEIBDE



Transport

## LASER MACHINES OF THE SERIES LS

As a **standard solution laser machines of the series LS** by SITEC are compact in design and very versatile in use.

The basic version of the LS is available in three different sizes in console and portal design. The selection depends on the dimension of your part to be processed, on the required volume of the working area and the axis lengths.

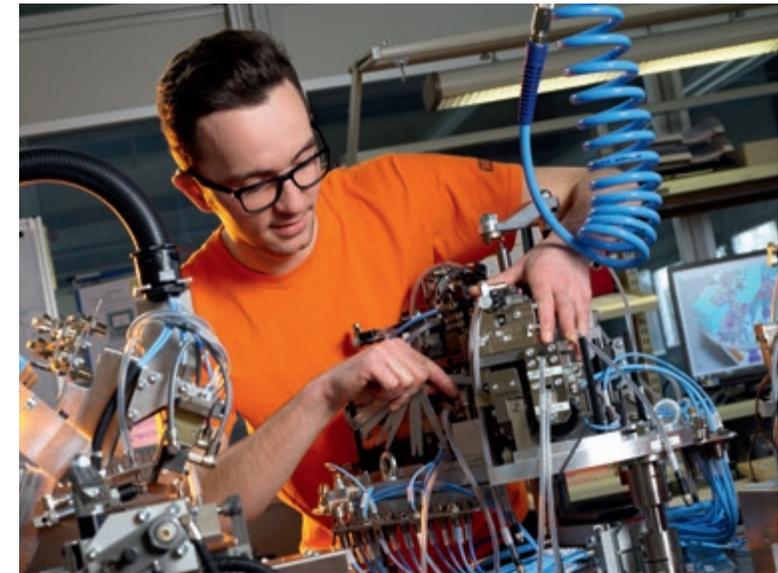
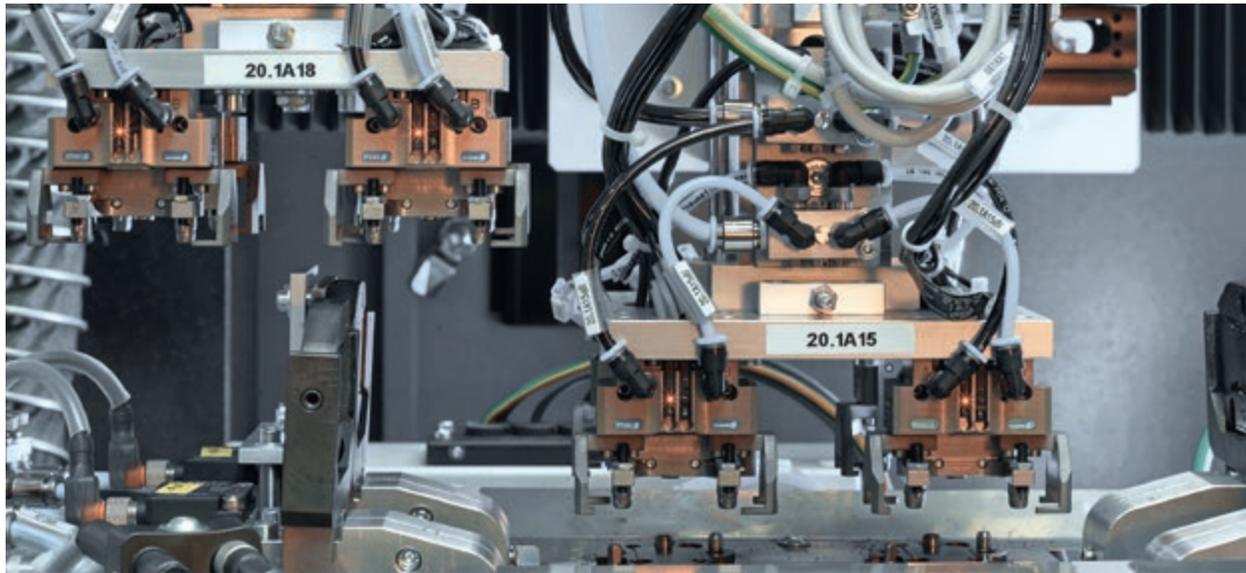
Thanks to the LS your production can be designed variably from manual to automated.



Industry solutions



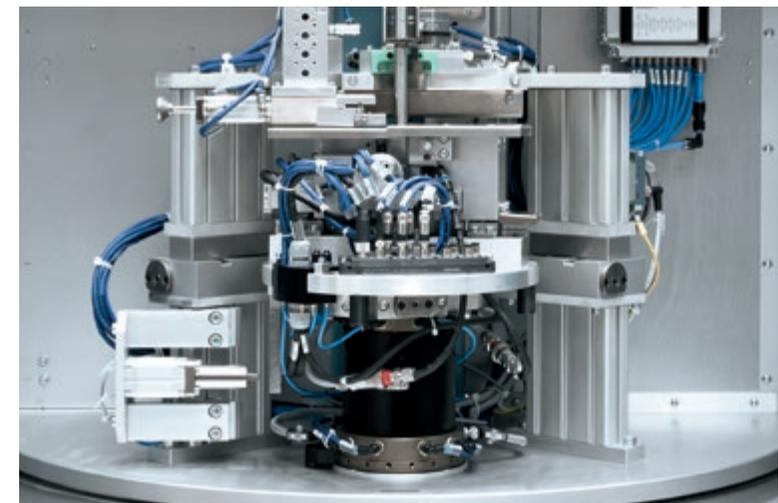
## FIXTURES – THE CENTERPIECE FOR PRECISION



We develop and produce your part-specific fixtures – laser compatible and process reliable.

Positioning and tensioning of your workpieces are performed with highest repeatabilities.

We rely on tensioning systems with standardized, configurable interfaces for mechanics and media and thus ensure highest precision, reproducibility and savings in time due to a low set-up time.



## PROCESS CONTROL – PRODUCT SAFETY – TRACEABILITY



Latest control technology for your production

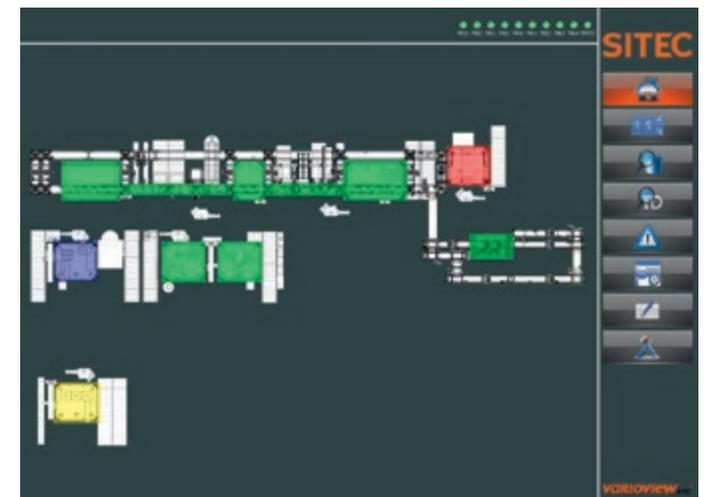
- SPS-controls
- PC-based controls
- CNC-controls

Production reliability made easy.

Thanks to the ASSEMBLYLINE TRACEABILITY CENTER **VARIOVIEW ATC** you always have an eye on your product and machine data – data collection, plant visualization, type administration, research and analysis.

Due to the consequent traceability of all quality-relevant data you will comply with your product responsibility.

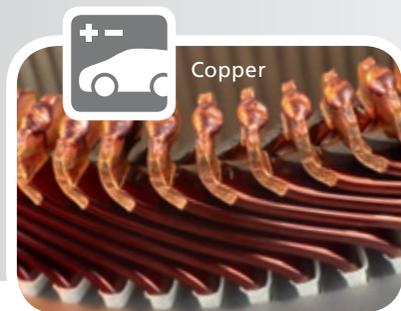
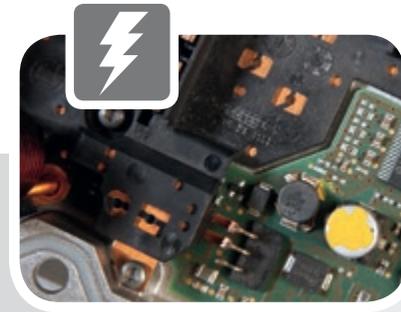
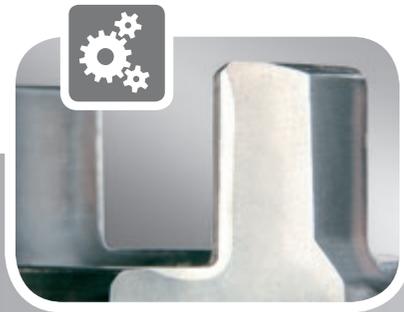
The machine and line data enable the monitoring and optimization of your production processes.



## CUSTOMER SOLUTIONS FOR DIFFERENT INDUSTRIES

The variable integration of laser sources and optics enables the processing of diverse materials.

- conventional weldable materials
- Titanium and alloys
- Aluminium and alloys
- Copper and alloys
- Plastic
- Glass



**SERVICE PARTNERS  
WORLDWIDE.  
FAST AND COMPETENT.**

Also after commissioning of your machines we offer you comprehensive service and support.

You can reach our SITEC service around the clock and will receive immediate support. Our service employees and partners worldwide in Europe, Asia and America guarantee a fast and competent service on the spot.



Maintenance



Optimization



Spare parts



Training



Support

Due to continuous maintenance and servicing we assure you a high availability of your machine.



# SITEC

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## MECHANICAL ENGINEERING

- Automated assembly lines
- Laser-machining centres
- ECM-lines

## SERIES PRODUCTION

- Laser-machining
- Electrochemical machining
- Mechanical machining
- Supplier management

