

## The *entire* spectrum

NUTECH was founded in 1985 as economy-close research institution. When the both managing directors, Theodor Fleitmann and Dr. Günter Lensch, took over the shares in 1995, the company extended to become a modern service provider - covering the divisions as follows:

**NUTECH Laser Centre:** Cutting, welding and surface treatment as laser job shop

**NUTECH Laser System Technology:** Design and construction of beam tools for laser material processing

**NUTECH Analytics & Testing Centre:** Material testing, material analysis and DKD calibration service

The interaction of these divisions enables us to offer unique and wide-ranging competence for as well production, development and quality management. Being located in Neumünster right in the heart of Schleswig-Holstein, NUTECH supplies customers all over Germany, in Europe and overseas



By means of subcontracting, the NUTECH Laser Centre processes work pieces and assemblies - starting from the sample part to mass production in its 3-shift-operated business. We take over materials procurement, warehousing, assembly as well as the mechanical pre- and post processing. We are certified in accordance with DIN EN ISO 9001 : 2000 and acknowledged as laser welding specialised company in accordance with DIN EN ISO 3834-2

The NUTECH Laser System Technology develops and delivers tailored beam guidance systems as well as assemblies for laser processing, and here in particular for inner pipe processing

The NUTECH Analytics & Testing Centre verifies and analyses substances, materials and components for their composition as well as their mechanical - technological properties. Furthermore it runs a DKD calibration service for material testers. See below our accreditations

**NUTECH is accredited / certified:**



### NUTECH Gesellschaft für Lasertechnik, Materialprüfung und Meßtechnik mbH

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Management:  
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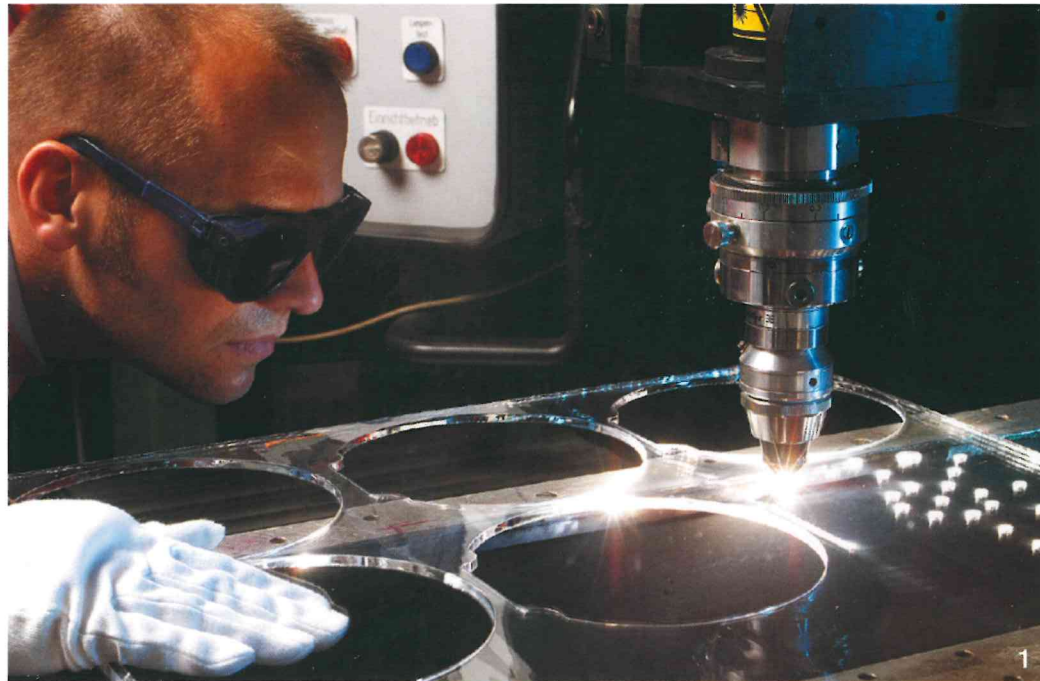
By means of subcontracting, the NUTECH Laser Centre processes work pieces and assemblies - starting from the single parts to mass production in its 3-shift-operated business. We take over materials procurement, warehousing, assembly as well as the mechanical pre- and post-processing. Our core competence is to be found in the fields of laser cutting, laser welding and laser surface treatment of most diverse metals. We are your partner for constructing prototypes and development of process parameters. Our Laser Centre is certified in accordance with DIN EN ISO 9001:2000 and DIN EN 15085-2 (railway standard) as well as acknowledged as laser welding specialised company in accordance with DIN EN ISO 3834-2 (EN 729-2).

**The *entire* spectrum**  
Cutting. Welding. Surfacing.

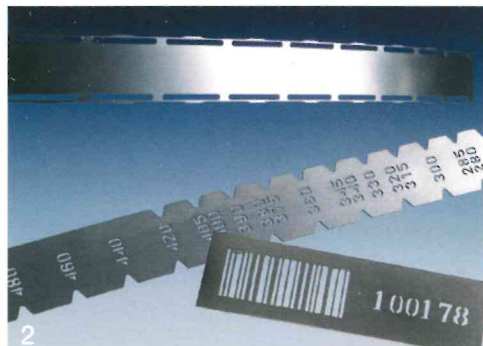


## Our strengths

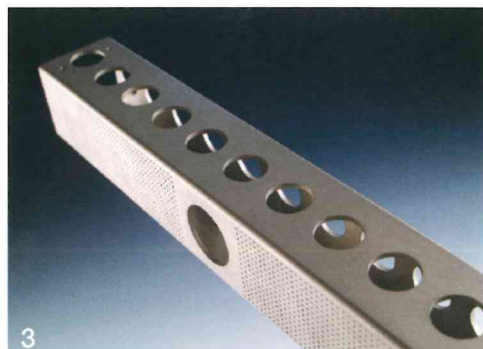
Precise and highly profitable laser material processing



Lasercutting of fused quartz



Lasercutting of precision parts



Laser trepanning drills



5  
Typical laser welding seam



4  
Automated precision cutting oftubes for medical technology

## Our core competence

- lies in applying laser beam technology for cutting, welding and surface processing of most diverse materials
- lies in creating work pieces of high laser processing qualities
- lies in organising tailored manufacturing processes in combination with our commitment towards quality and profitability

## Our resources

- Team of engineers, physicists, technicians and other highly qualified employees
- Modern laser facility park with 15 laser beam sources for 2 D, 2 1/2 D and 3 D processing with 20 general-purpose or single-purpose machines
- Laser sources: CO2 laser, fibre laser, Nd:YAG-laser, in pulse or cw operation between 40 W and 4.4 kW
- Workshop for fixture construction and process automatisation, for mechanical processing and component assembly
- Accredited material testing laboratory for quality assurance and control
- Further facilities for pre- and postprocessing

## We are your partner

- For construction and development:  
We check the advantages of laser processing on your components for you. We manufacture prototypes and develop production parameters for your technical and commercial market launch assessment
- For low-volume and mass production:  
We manufacture parts or components in any desired quantity  
You decide about releasing the optimum batch sizes  
We keep inventory safety stock available for you or produce upon request  
We even deliver to your assembly line, if desired
- For technology transfer:  
In case you decide in favour of setting up an own laser production following a development or test, we assist you in preparing your investment decision and are available as general contractor



7  
Weldings on orthopaedic surgery tools



6  
Manual Laser welding on infusion pump made from titanium



8  
Laser welded parts for valves



9  
Laser welded pinion



10  
On line inspection at pinion welding automat