pro-beam offers an all-in-ONE-solution – integrated comprehensive support from a single source. From the development to contract manufacturing and equipment solutions – all depending on your individual requirements.

Over 40 years of expertise in all relevant electron beam processes

Efficient, high-performance plant technology

Agile and efficient infrastructure as well as proven expertise for series processes and large-scale projects

Relevant welding experience for components weighing only a few grams up to 100 tons

Future-proof technologies and automation solutions, e.g.

→ Multi beam process technology for maximal productivity
→ Spatter-free laser beam welding
→ Automatic seam tracking as the basis for optimal welding quality, maximum reproducibility and productivity, independent of the operator

Experience in almost all sectors of industry:

Automotive, rail, aerospace technology, machine engineering, electronics industry, energy technology, ship building, high-tech industries (semiconductors)

Certificates and approvals for all relevant sectors of industry

Focused on future-proof topics; therefore an excellent global network with associations, research institutions and universities

International representation (Europe, Asia, USA)
"Our claim is to be our customers’ number one partner – our more than 250 employees are pursuing this goal.”

Nicolas Frhr. von Wolff

Chairman, Dipl.-Wirtschaftsinz. Nicolas Frhr. von Wolff

Chief Technology Officer (CTO), Dr. Thorsten Löwer

PRO-BEAM AT A GLANCE

Employees
300

Locations Worldwide
5

Years Experience
45

Patents
36

Customers
40

Countries
53

Turnover
53 Mio. €

OUR PROCESSES

Welding
Narrow, deep and parallel welding seams. Unlimited process design and outstanding engineering flexibility for any kind of metal treatment. Maximum precision, minimum stress and distortion.

Hardening
Surface treatment e.g. partial hardening of surfaces subject to heavy mechanical stress.

Drilling & Perforation
Generation of drill holes and slots in thin and thick metallic materials. Various perforation geometries and most alloys are possible.

Diadur® Coatings
diadur® coatings protect your components and make them resistant to any kind of wear.

ADVANTAGES OF THE ELECTRON BEAM PROCESS

100% digital therefore fully reproducible and easy to automate

Perfect process monitoring and quality control, always traceable

Unlimited process design and outstanding metal and engineering flexibility

Narrow, deep and parallel welding seams

Simple seam preparation, no additional materials required

EQUIPMENT SOLUTIONS

Contract Manufacturing
Electron beam and laser technology
Process development
Individual parts and large-scale production
Parts weighing 2 grams to 100 tons
Large number of certificates and approvals

OUR BUSINESS SEGMENTS

Contract Manufacturing

Electron beam and laser technology
Process development
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Parts weighing 2 grams to 100 tons
Large number of certificates and approvals

Equipment Solutions

Electron beam and laser technology
Process development
Customized machines
Fully automated, connected turnkey solutions for high-volume production
Automation and software solutions
Customer services

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