

MESESU

Das Rohr.

A TRADITION OF
INNOVATION

Precision steel tubes
Tube technology



EXPERTISE
TRADITION
PRECISION STEEL TUBES
TUBE TECHNOLOGY

PROFESSIONAL EXPERTISE,
UNCOMPROMISING QUALITY,
CUSTOMER-ORIENTATED FLEXIBILITY
ALONG WITH VALUABLE KNOWLEDGE
FROM A LONG CORPORATE TRADITION:

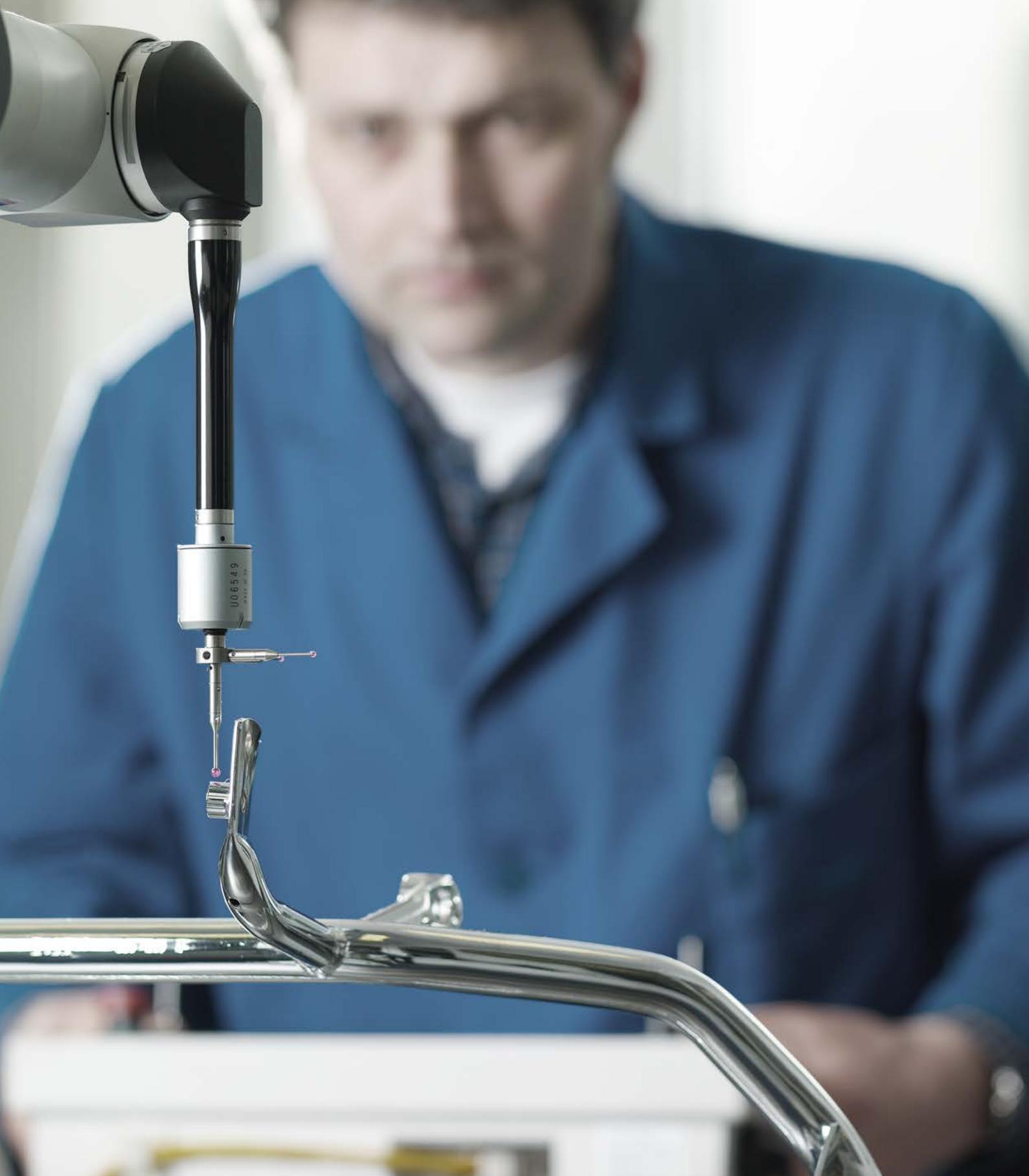
MESU HAS MADE ITSELF A NAME AS A SPECIALIST IN WELDED PRECISION STEEL TUBES AND INDIVIDUAL TUBULAR COMPONENTS WITH TIGHT TOLERANCES.

For well over a century, the name MESU has stood for precision, proprietary technologies, exceptionally well-qualified technical experts and a special history: That of a family enterprise that appreciates independence, honest work, effective partnerships and distinctiveness. With our precision steel tubes and special profiles as well as tube machining and assemblies in our corporate division for tube technology, we not only manufacture products, but also solutions according to customer requirements.

Quality, reliability, flexibility: This is our commitment to our customers and partners, which we uphold every single working day.



EXPERTISE



KNOW HOW

For over 100 years, MESU has stood for expertise in tube manufacturing, tube technology for further processing and logistics.

TRANS-PARENCY

Providing optimal advice is our priority: Our sales representatives are available on site at any time.

HAND IN HAND

The production and processing of precision tubes are perfectly coordinated.

With a technically skilled sales team, our business is built on close customer relationships that we have nurtured for decades. With us, you speak on a personal level with people who provide individual advice and understand the high expectations of our customers. We define and monitor every single process. Through clear communication and mutual information, we create transparency in timelines and factual contexts.

We produce longitudinally welded precision steel tubes on our state-of-the-art welding machines that can be linked to other production processes such as CNC cutting tools and strictly adhere to the tightest of tolerances. Our advanced processing and quality assurance ensure optimal components and timely delivery during manufacturing. Individual requirements are in the best of hands with us: These include applications that require high tube strength at low weight, such as tubes made of multiphase steel with high deformation properties or micro-alloyed special grades. MESU makes a decisive contribution to finding environmentally-friendly and energy-efficient solutions for your end products.

EXPERTISE



A wide range of industrial sectors rely on the expertise, quality and flexibility that we offer such as the automotive, furniture and leisure industries, as well as the medical devices industry.

The quality of our work is reflected not only in the most advanced production and processing systems, but also in our competent consulting services. We encourage an uncomplicated transfer of know-how through direct contact and a mutual exchange of information with our customers and partners.

Our advanced processing and quality assurance ensure optimal components and timely delivery.

MESU's system and process quality is fully compliant with the requirements of ISO/TS 16949. The ISO/TS 16949 certification attests to our proven quality performance as a trusted partner and supplier to the automotive industry.





TRADITION -





MESU stands for "Metallwerk Sundern" and embodies a corporate tradition that traces its origins back to 1906. To this day, the company remains a family-owned, medium-sized enterprise under the ownership of the Brumberg family. For us, this family background with continuity during times of transformation means a major responsibility in the future. Fourth-generation family members have now taken over the company's management and thus continue to embrace the company's traditional values.

For us, being able to effectively compete in a quality market means accomplishing tasks above and beyond the norm. Short decision-making steps enable us to actively build relationships with our development partners and guarantee reliable implementation on a daily basis through personal contact with these partners.

TRADITION -



Our motivation is not only to strengthen our reputation as a sought-after precision tube specialist far beyond Germany, but to further build up our position in the industry.

Made in Germany, made in Sundern: This claim has special importance to us. From tradition.





PRECISION STEEL TUBES -



WELDING

MESU produces longitudinally welded precision steel tubes according to DIN EN 10305-3 and DIN EN 10305-5. These are characterised, in particular, by tight tolerances and a excellent surface quality. In addition to material used in standard grades such as DCO1, E235 or E355 hot and cold strip, we also process high-strength and ultra high-strength steels such as dual-phase steel. Tubes are delivered in the states +CR1, +CR2, +A and +N depending on their respective purpose of use.

Our product range includes round, square, and oval tubes with outer diameters from 6 to 60 mm, which can be manufactured in any special cross-section according to customer requirements, with wall thicknesses ranging from 0.8 up to a maximum of 3.0 mm. Upon request, the tubes can be supplied with a scarfed internal weld seam.

ANNEALING

Further processing occurs in our in-house furnace if necessary and in accordance with the required material properties. This is carried out at temperatures from 720 to 930 degrees Celsius under a protective gas atmosphere.

Subcontract Annealing Service: We also heat treat pipes and solid material on behalf of customers.



PRECISION STEEL TUBES -



CUTTING TO LENGTH

Depending on the production demands, various saw advisory centres, saw machining centres and tube saws are available, and where, upon request, deburring, washing and drying can be carried out easily on the saws.

SURFACETECHNOLOGY

We offer the following surface treatments in conjunction with our partners:

- Rough and fine grinding
- Polishing and zapon-varnishing
- Painting and coating according to RAL
- Brass, nickel and chromium-plating
- Electro-galvanising or hot-dip galvanising
- Plastic extrusion



TUBE TECHNOLOGY



TUBE TECHNOLOGY EXPERTISE

We engage in the further processing of tubes according to customer requirements in our corporate division for tube technology. We are able to produce parts of different dimensions, shapes and finishing steps on a small or large-scale. The processing of different material grades such as stainless steel, aluminium, copper, brass, and carbon, etc. also belongs to our portfolio.

With the variety of processing options available to us, we are completely geared toward our customers' markets. We provide security in the planning process, the most advanced production and processing systems and compliance with the required quality standards. Technical developments and changes in design are included in the planning and implementation from the onset.

Our modern laser systems enable the processing of tubes and profiles made of steel, stainless steel, and aluminum with outer dimensions or side lengths of up to approximately 150 mm and wall thicknesses of up to 5 mm.





TUBE TECHNOLOGY

A close-up photograph of a precision metalworking machine. A large, polished metal tube is being processed, showing a series of longitudinal grooves. The machine features various mechanical components, including a circular gear and a metal plate with a central hole. The lighting highlights the metallic textures and the intricate details of the machinery.



LASER

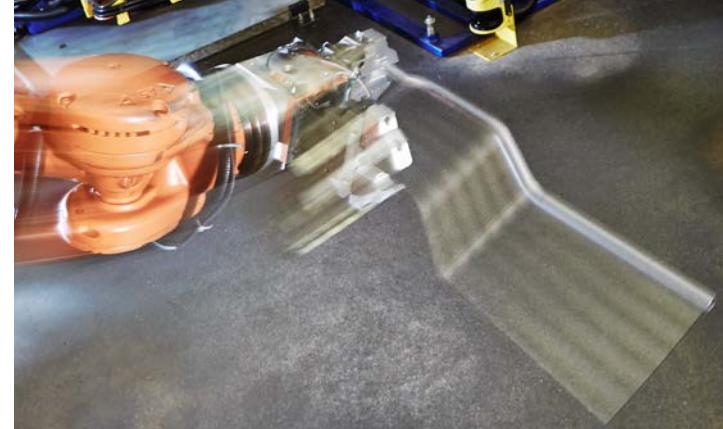
Our state-of-the-art laser systems allow us to process tubes and profiles made from steel, stainless steel, and aluminum with outer diameters or side lengths of up to approx. 150 mm and wall thicknesses of up to 5 mm.

Laser cutting technology sets new standards in design and manufacturing. We are pleased to contribute our expertise to your products, as the way tubes and profiles are designed plays a decisive role in achieving high productivity and process reliability in laser-cut components.

CUSTOMIZED PROCESSING

Our wide range of technical capabilities includes round tubes and profile tubes from 6 to 60 mm made of steel, stainless steel, aluminum, and other materials. Our core competencies include:

- Welding, flaring
- Assembly production, including stamped parts, turned parts, and welding
- Cutting, bending, beading, calibrating, punching
- Surface finishing (grinding, chromium plating, powder coating, cathodic dip coating, electro-galvanizing)
- Stamping, swaging, tapering, as well as welding and soldering technologies





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