

Hot forged parts



Automatic lathe-turned parts



Casted parts



Processing and installation

BRUSE

in bestform

Professionalism in detail

Bruse - Your partner for automatic lathe-turned and hot forged parts





BRUSE ANNIVERSARY

Continuously growing from a solid foundation



BRUSE
in bestform

MORE THAN 130 YEARS

Bruse GmbH & Co. KG
since 1886



BRUSE
DREHTECHNIK

MORE THAN 25 YEARS

Bruse GmbH
since 1991

Attendorn

Suhl

Attendorn site

Continuously growing from a solid foundation

When the family company was founded in 1886 the foundation was laid for continuous, positive company development. We have gained a reputation for our permanent willingness to accept challenges and to bring our innovations to life. Today we are one of the leading manufacturers of hot forged brass and aluminium parts.

Specializations:

- Hot forged parts
- Machining of hot forged and cast parts
- Surface processing
- Tailored component manufacture
- Tailored component installation



Suhl site

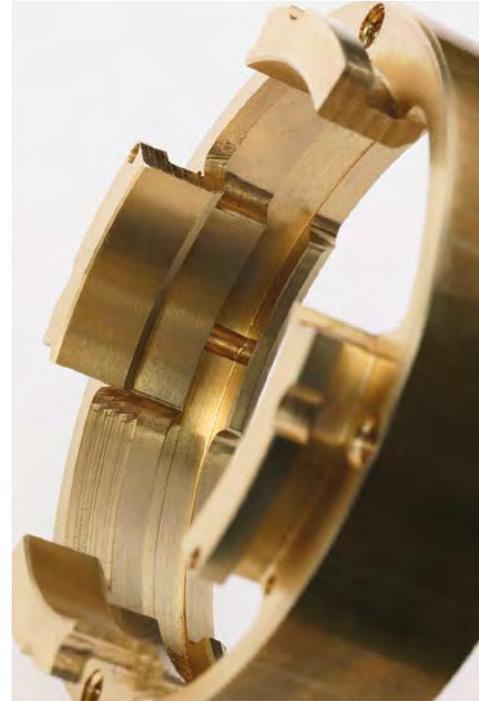
Professionals in precision engineering

Today Bruse GmbH is a competent, qualified partner when it comes to the manufacture of customer-specific precision engineering parts. Since the foundation in 1991, our company's sustainable success has been characterized by constant investment, high motivation and extensively qualified members of staff as well as a comprehensive service.

Specializations:

- Precision engineering parts
- Surface processing
- Tailored component manufacture
- Tailored component installation
- Planning





With our extensive service we provide professional solutions for every challenge which go beyond the development of your product:

- Construction
- Drop forging
- Machining
- Component installation
- Structured merchandise management

Environmental protection is an important topic for us. The copper-zinc alloys that we process are 100% recyclable and thus save resources. Water preparation and suction technology in our electro-plating shop and the hot forge guarantee optimal environmental protection.



High bay warehouse

Hot forged parts



When manufacturing hot forged parts we fulfill highest customer requirements - state-of-the-art machines, highly qualified staff and precise quality requirements guarantee complete customer satisfaction.



By drop forging (hot forging) in our in-house hot forge full and hollow parts weighing around 5,000 g are created at temperatures that are adjusted to the materials used. Various copper-zinc alloys (brass) as well as low dezincification and modern, lead-free brass alloys are processed in accordance with DIN 50930-6.

Due to their high corrosion resistance, these materials are a good alternative to gunmetal. A high level of pressure density, stability and a grindable, polishable surface put forged parts way above cast parts. The subsequent processing of the forged parts is carried out using a modern rotating multi-way machine or dependant on the component on flexible CNC processing centres.



A forged slug on a die



Economic due to the use of modern drop forging machines



Minimizing the weight using the hollow part method

Lathe-turned parts



The production of lathe-turned parts according to customer-specific sketches and precisely defined client quality requirements are daily challenges for our highly qualified precision engineering team.

Various brass alloys, dezincification-resistant and lead-free brass, gunmetal, machining steel, stainless steel and aluminium are all processed at Bruse.

- Lathe-turned manufactures from drawn rods up to 65 mm Ø
- Manufacture of brass or aluminium rod sections/drop forged parts (max. 250 mm Ø, 500 mm long and weighing 6,000 g)
- Component installation according to customer requirements
- Fittings for gas applications

Optimized operational weights form the basis of each manufacturing and processing technique, in which our multi-spindle, single-spindle and CNC precision technology is used, which guarantees the highest quality.



Forged and drawn brass products



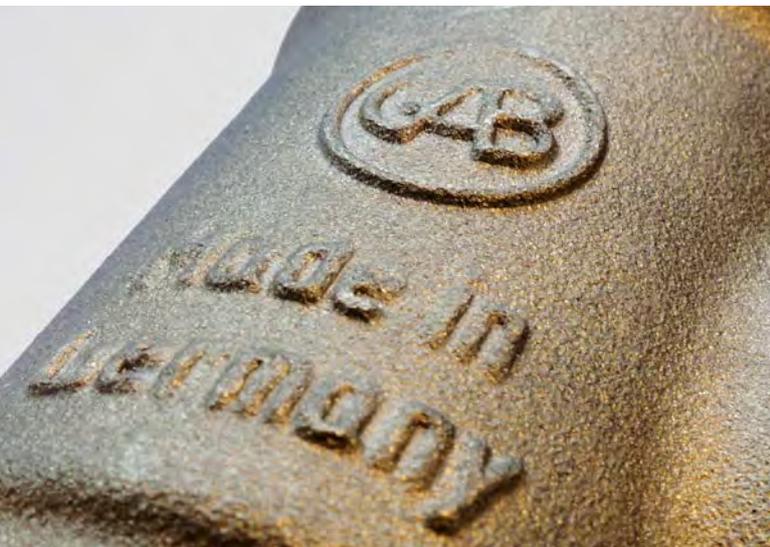
Machining of lathe-turned parts



Stainless steel lathe-turned parts

Casted parts

Casted parts open up possibilities to functionally shape complex contours with different materials.



Since more than 130 years the name Bruse stands for high quality pressed brass. Sand and gravity-die casted parts top off our product range in terms of economic efficiency and customer requirements.

Various alloys of bronze, brass and aluminium are used as raw material for casting. Our product designers and our team develop integrated solutions according to your requirements - from concepts to finished products - from ideas to production conditions. We accompany our customers during the entire "design to manufacture" process. From visualized, weight optimized 3D prototypes suitable for casting and production to mould construction and making of moulding boxes to a lean, cost-efficient, machined production process in small and large batch production.



moulding box with valve contour



maximum material savings



view of melting furnace

Galvanic surface processing

From construction to finished product - including high-end finish



Our team provides you a complete service. According to your specification we carry out mechanical surface processing such as grinding and polishing.

All processes take place in our in-house electro-plating shop - from nickel-plating rack and drum materials through to chromium-plating or tin-plating for other components.

Additional surfaces are available on request.



Electro-plating shop



Nickel/chromium layering system



Parts range

Quality standards



Our employees see more than just the production of lathe-turned and hot forged parts. Both manufacturing facilities, Atten-dorn and Suhl, are certified according to DIN EN ISO 9001:2008. In the measuring stations in the production area quality-rele-

vant actual data are compiled so as to be evaluated with statistical methods - a CAQ system. CAQ stands for Computer Aided Quality Assurance. CAQ systems analyze, document and archive quality-relevant data for the manufacturing process.



optical measurement
with digital measuring projectors



Quality control on 3D-
measuring machines



testing with a contourograph



Your product is our motivation.

Our team develops optimal solutions and produces components
with the highest level of customer value.

Bruse is always ready for new challenges.

BRUSE GMBH & CO. KG

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