

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

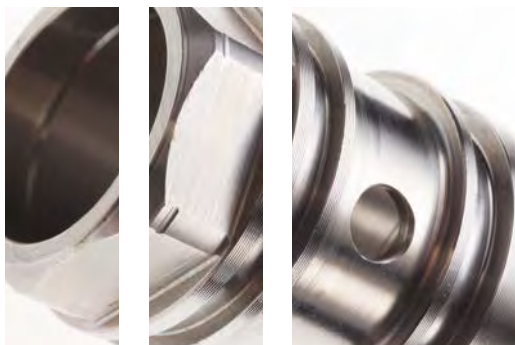
Steadily grown on a respectable fundament



BRUSE
in bestform

130 YEARS

Bruse GmbH & Co. KG
since 1886



BRUSE
DREHTECHNIK

25 YEARS

Bruse GmbH
since 1991



Attendorn site

Continuously growing from a solid foundation

When the family company was founded in 1886 the foundation stones were laid for continuous, positive company development. We have made a name for ourselves due to 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 it was founded 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 always take the customer's requirements into consideration - state-of-the-art machines, highly qualified staff and precise quality requirements guarantee high 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 to 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 a component-independent on flexible CNC processing centres.



A forged slug on a die



Economical 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 and use our multi-spindle, single-spindle and CNC precision technology 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 through to the finished product - including a high-end finish



Our team provides you with 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.



Parts range



Nickel/chromium layering system



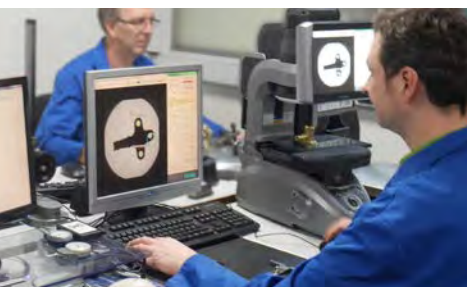
Electro-plating shop

Quality standards



Christian Bruse's team sees more than just the production of lathe-turned and hot forged parts. Both manufacturing facilities, Attendorn and Suhl, are certified according to DIN EN ISO 9001:2008. In the measuring stations in the production area quality-relevant 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.



Evaluating the hardness test



Quality control on 3-D measuring machines



Dimensional inspection using the reflected light method



Your product is our motivation.
You give the order and define the conditions.

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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