

CONTRACT MANUFACTURING AND SERVICES

SUPPLIER OF CHOICE

With over 140 years of experience, highly qualified and motivated experts and our state-of-the-art production facilities, we can guarantee outstanding quality and precision for all our products and services.

As a Supplier of Choice

We sell not just our products, but also our know-how, use of our technical equipment and our man power. We see ourselves as a service provider, and you can rest assured that we will carry out your tasks with the same level of diligence and quality as our own production.

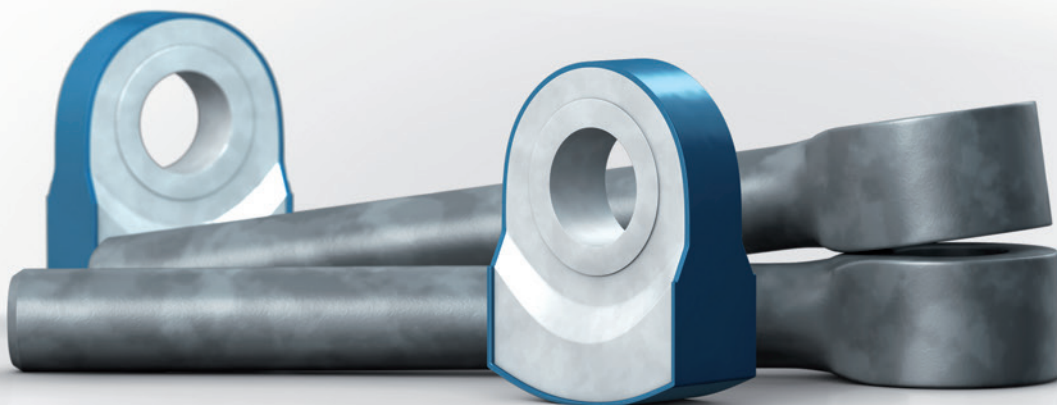
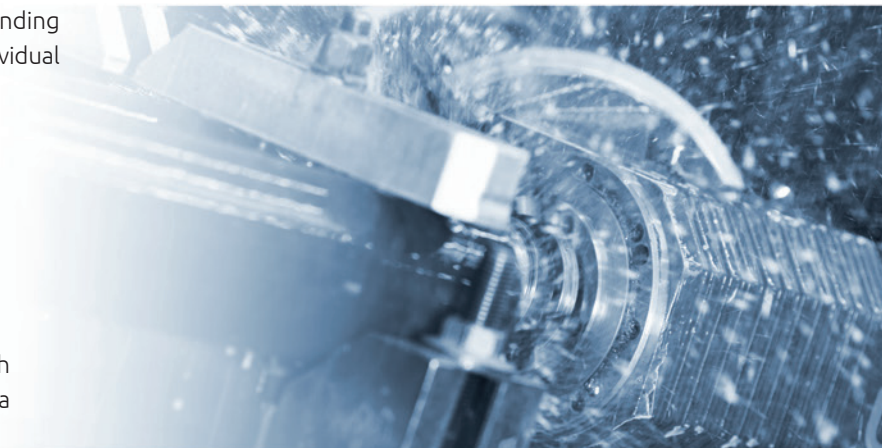
Benefit from our expert knowledge and longstanding experience in executing orders according to your individual specifications and requirements.

- forging
- heat treatment
- machining (turning/milling)

Our technical advisers are at your disposal with expert advice and efficient support. We will find a solution to every problem!

Cutting, turning and milling services

As we see ourselves not just as a manufacturer, but also a service provider, we offer our high-precision machining also in the form of contract manufacturing.



CONTRACT MANUFACTURING AND SERVICES

HEAT TREATMENT

Heat treatment

With our programmed bogie hearth furnace and quenching baths, we are able to carry out any kind of heat treatment.

- normal and soft annealing
- stress-relieving
- diffusion annealing
- recrystallisation annealing
- austenitisation
- tempering, hardening and quenching
- heat treatment to customer specifications
- diagram recording

Furnaces

Chamber and hood furnaces in different sizes:

Width: 6000 mm max.
Height: 1400 mm max.
Depth: 2100 mm max.
Temperature: 1200° C max.
Polymer and water-quenched: 1100° C max.
Batch weight: 10 t max.

Quenching bath	Length	Width	Depth
Polymer bath	8.000 mm	3.000 mm	3.000 mm
Water bath	8.000 mm	3.000 mm	3.000 mm

All baths are equipped with circulation units, which guarantee constant and regular conditions during the quenching process.



We can also create heat treatment charts!



CONTRACT MANUFACTURING AND SERVICES

MILLING

Modern machines & technology that will
meet all your requirements – Contact us!

CONTRACT MANUFACTURING
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Milling machines

Ronin moving column milling machine

controlled rotary table | Controlled universal head

X = 8.000 mm

Y = 1.250 mm

Z = 2.000 mm

Ronin controlled rotary table

controlled universal head

X = 6.000 mm

Y = 1.500 mm

Z = 2.000 mm

Kekeisen moving column milling machine

controlled universal head

X = 6.000 mm

Y = 1.200 mm

Z = 1.300 mm

Hedelius processing centre

controlled, 4 axles

X = 3.500 mm

Y = 1.000 mm

Z = 770 mm

Hedelius processing centre

controlled, 4 axles

X = 1.200 mm

Y = 620 mm

Z = 600 mm

SINGLE-SOURCE PRECISION

We offer high-precision machining for all your
turning or milling needs.

Contact us on info@stwa.de for more information
and free consultation.

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TURNING

We offer contract processing and tempering for the following measurements and work pieces.

Our product range

Perforated/ punched and other discs

Diameter: 800 mm max.
Unit weight: 5000 kg max.

Forged rings

Outer diameter: 800 mm max.
Height: 500 mm max.
Unit weight: 5000 kg max.

Forged rods

Length: 6000 mm max.
Round: 50 to 500 mm diameter
Square-end: 40 to 500 mm
Flat: 50 to 500 mm (ratio H:W < 1:6)
Unit weight: 5000 kg max.

Forged pipes, cylinders & other hollow parts

Outer diameter: 500 mm max.
Inner diameter: customer specifications
Length: 5000 mm max.
Unit weight: 5000 kg max.

Form shafts

Barrel diameter: 500 mm max.
Unit weight: 5000 kg max.

Upset form shafts

Flange diameter: 1000 mm max.
Unit weight: 5000 kg max.



WE'RE HERE TO HELP

If you have any questions concerning our products or production methods, please don't hesitate to contact us on: +49 (0)4489 / 71-0 or visit our webpage: www.stahlwerk-augustfehn.de

CONTRACT MANUFACTURING AND SERVICES

FORGINGS

In our facilities, we are able to carry out milling works up to a length of 8 m and turning up to a length of 6 m.

We carry out milling on work pieces up to 8 m in length – also according to your individual specifications!

We carry out high precision turning works up to a length of 6 m in our modern facilities. With our expertise and experience, we meet all your requirements and can also work according to your drawings or models.

Limits for Machining

Sawing

Diameter: 450 mm max.

Turning in lathe centre

Diameter: 1000 mm max.

Length: 4000 mm max.

CNC Turning

Diameter: 420 mm max.

Length: 6000 mm max.

Machines for Turning

Wohlenberg Cycle lathe

Swing diameter over bed: 1000 mm

Swing diameter over sliding carriage: 650 mm

Distance between centres: 6000 mm

Spindle bore: 104 mm

Automatic CNC lathe

Swing diameter over bed: 400 mm

Swing diameter over sliding carriage: 220 mm

Distance between centres: 850 mm

Spindle drill: 105 mm

CNC Milling

Travel

X = 8.000 mm

Y = 800 mm

Z = 500 mm

