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COMPANY

SCHONLAU is a medium-sized, family-led customer oriented iron foundry in the area East Westphalia/Germany.

With 170 employees SCHONLAU achieves a year tonnage of 12,500 tons. Due to substantial investments in the production area, the production of grey- and nodular cast iron components could almost be doubled.

The SCHONLAU range of competence contains castings of 5 kgs to 4,000 kgs made of GJL, GJS, GJV, ADI, Ni-Resist as well as further special alloys.

Our straight company philosophy – quality, flexibility and far above superior adherence to delivery dates – also contains the close cooperation with our customers.

SCHONLAU lives frank and fair handling not only among each other, but also with customers and business friends.
MADE IN GERMANY

CUSTOMERS

- CHEMICAL INDUSTRY
- CONSTRUCTION MACHINERY
- DRIVE SYSTEMS AND COMPONENTS
- FITTINGS
- MACHINE BUILDING
- MACHINE TOOL BUILDING
- PUMPS AND COMPRESSORS
- RAILWAY VEHICLE MANUFACTURING
- SHIPBUILDING
- UTILITY VEHICLE BUILDING
- WIND ENERGY
QUALITY MANAGEMENT

To stay in the standards of legislation and to fulfil the high requirements of our customers, our quality management use the following test equipments, in particular:

- PREVENTIVE MOLDING SAND CONTROL
- AUTOMATED CHARGE CONTROL
- PLANT CONTROL BY REAL-TIME VISUALIZATION
- DIGITAL CONTROL OF CASTING TEMPERATURE AND WEIGHT

Whole data are online documented and analyzed.

According to high-grade casting we possess usual test equipments as specified:

- MOLDING SAND TESTING
- SPECTROGRAPHIC AND THERMAL ANALYSIS
- METALLOGRAPHIC LABORATORY
- MAGNETIC CRACK/ PARTICLE DETECTION/ INSPECTION
- DYE PENETRANT TECHNIQUE
- ULTRASONIC TESTING
- TENSILE/TENSION TEST
- NOTCHED-BAR IMPACT TEST
- BRINELL HARDNESS TEST
- PART SURVEYING

We are certified according to DIN EN ISO 9001:2000

- AMERICAN BUREAU OF SHIPPING
- BUREAU VERITAS
- DET NORSKE VERITAS
- DEUTSCHE BAHN
- GERMANISCHER LLOYD
- LLOYD’S REGISTER
- TÜV NORD
- TÜV PRESSURE VESSEL

In close cooperation with bdguss and IFG, extensive quality audits are regularly conducted.
The SCHONLAU service already begins before the casting process. For a successful development partnership our competent foundry engineers are on your side.

The key to the optimal construction unit lies in cooperation. We clear the way for an economic and appropriate to casting design and support you to find the optimal material for your construction unit.

Besides we offer qualified technical designer conferences to our customers.
**MATERIALS**

- GJL 200 – GJL 350 FERROCAST DIN EN 1561 grey cast iron
- GJS 350 – GJS 800 FERROCAST DIN EN 1563 nodular cast iron
- GJV 400 compacted graphite iron
- ADI DIN EN 1564 austempered ductile iron
- Ni-Resist austenitic cast iron
- Special alloys
PRODUCTION

MELTING SHOP
- two medium frequency crucible induction furnaces
- melting rate 6 t/h each

MOLDING SHOP
- BOX MOLDING PLANT
  box size: 950 x 880 x 300/300 mm (L/W/H)
  unit weight: up to 120 kgs
- BOXLESS BLOCK MOLDING PLANT (variable boxless bundles)
  max.: 1120 x 1560 x 425/425/425 mm (L/W/H)
  unit weight: up to 600 kgs
- HAND MOLDING SHOP
  box size: 3000 x 3000 x 2500 mm (L/W/H)
  unit weight: grey cast iron up to 4.000 kgs
  nodular graphite cast iron up to 3.500 kgs
- AUTOMATIC MOLDING PLANT open sand casting
  box size: 1360 x 1070 x 150 mm (L/W/H)
  unit weight: up to 65 kgs
FINISHING

- HEAT TREATING
- HARDENING
- ROUGH MACHINING
- COMPLETE COMPONENTS
- UNDERCOAT / LAQUERING
- SURFACE TREATMENT