Nottaris AG
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CHE-230.956.944 MWST
SN EN ISO 9001 : 2015
SN EN ISO 14001 : 2015

NOTTARIS AG

NOTTARIS IN BRIEF

Our Swiss family firm has been endeavouring to respond to the individual needs of customers for over 180 years.

The possibility of applying three different moulding methods allows us to produce efficiently, precisely and flexibly; whether the items concerned weigh just 100 g or four tons, as individual pieces or part of series production.

FOUNDED 1842

MATERIALS

Our foundry works with the following cast-iron materials:

- Cast iron with lamellar graphite (grey cast iron)
- Cast iron with spheroidal graphite (spheroidal cast iron)
- ADI (Austempered Ductile Iron)

SMELTING OPERATION

We operate two cupola furnaces with an output of 3 to 5 tons of molten iron per hour and a plant for the production of spheroidal cast iron.

FULLY AUTOMATIC MOULDING PLANT

A vacuum-press moulding machine delivers maximum repeatability. Output totals 60 boxes per hour in 720 x 720 x 250 / 250 format. As of 10 boxes per order, we can also offer short-series production.

BLOCK-MOULDING SHOP

On our fully mechanised, boxless moulding machine, we produce castings of 50 kg to 500 kg. This allows us to achieve very high quality with top surface quality and a very high degree of dimensional accuracy.

HAND-MOULDING SHOP

The individual items produced in this department weigh up to 4000 kg. They are manufactured by highly qualified professionals, using the cold-setting (furan) process.

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CORE-PRODUCTION

The sand cores are produced using the cold-box and furan processes. By hand and on automatic machines.

SAND PREPARATION

In our moulding line we use 95 % of reclaimed sand.

HEAT TREATMENT

Heat treatment entails the thermal processing of a workpiece (casting or steel structure/contract work). According to customer specifications, we offer stress-relief annealing, soft annealing carbide solution annealing and austempering.

Gas-fired heat-treatment furnace with loading carriage weight per charge:
4000 - 10000 kg
Length x Width x Height =
2900 mm x 2000 mm x 1900 mm

For all types of iron castings and steel structures

Annealing programs for: 1050°C / 850°C / 800°C / 730°C / 620°C / 580°C / 550°C / 400°C

SAND-BLASTING

Tre sand-blasting cabins. Max. load capacity 5000 kg
Length x Width x Height = 2000 mm x 2000 mm x 2500 mm

MODEL AND MOULD CONSTRUCTION

Based on CAD data supplied by customers, our specialists can create and produce new models in-house.

CERTIFICATES

- SN EN ISO 9001:2015
- SN EN ISO 14001:2015
- Occupational Safety FCOS
- CO_2 & kWh reduced
- EcoVadis
- DNV

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QUALITY INSPECTION

Material testing

Smelting operation:
- Thermal analysis
- Temperature measurement
- Spectral analysis
- Hardness testing (HB)
- Strength testing (R_m – $Rp_{0,2}$ – A)
- Notched-bar impact work (A_v)
- Metallographic examination

Finished components:
- Monitoring of dimensions
- Inspection for cracks
- Ultrasound testing

REFERENCES

- Agricultural machines
- Art
- Compressors
- Construction machinery
- Conveyor technology
- Electric motors
- Energy technology
- General mechanical engineering
- Hydraulic systems
- Machine tools
- Medical technology
- Military defence
- Municipal vehicles
- Packaging machines
- Printing and book-binding machines
- Pumps
- Railways/line construction
- Shipping
- Superstructure/underground construction www.bauguss.ch
- Textile machinery
- Transmission components
- Tunnel construction
- Turbo machines

We will be pleased to supply you with corresponding references on request.