



DIVISION MACHINERY

Machinery Industry

Machines:

- Production of machines and equipment
- Medium repair and reconditioning of machines
- Production of spare parts for machines and equipment

Tools:

- Tool production
- Production of special measurement devices
- Repair of special tools
- Tool sharpening
- Production of fixtures and clamping devices

Components for machines and technological units:

- Production of shape complicated parts according to customer drawings from steel, stainless steel, various alloys, Al, Ti, Cr – Ni alloys etc.

Heat Treatment

Processes are certified according to NADCAP requirements

Technological units:

- Vacuum pit furnace **VSgr 70/100** (DEGUSSA – DURFERRIT)
- Vacuum double chamber furnace **VKQFgr 50/30/50** (DEGUSSA – DURFERRIT)
- Vacuum pit furnace **VSR 70/100** (DEGUSSA – DURFERRIT)
- Deep-freeze box **NP 400/80 VV**
- Air oven with fan **KPO 20/6**

Range of heat treated parts and semi-finished products:

- Bearing components
- Parts for aircraft industry
- Semi products for gas and steam turbines
- Cutting tools, bending tools, hot die for automotive industry
- Shape complicated parts for injection moulding
- Shaped parts for Al alloys pressure casting

Heat treatment processes and materials:

- Hardening in vacuum (special steels and tooling steels)
- Homogenizing annealing for casts and parts from following materials: Cr – Ni steels, 17 – 4 PH and Ni – alloys and special metals
- Solution annealing for casts and parts made from Cr – Ni steels, 17 - 4 PH, Ni – alloys and special metals
- Stress relieving to reduce internal tension for welded parts from Cr – Ni steels
- Vacuum soldering using Ni, Cu, Ag





Technology

- Grinding
- Turning
- Boring
- Milling
- Shielded arc welding
- Pressing
- Spark machining
- Spark cutting
- Blacking (chemical)
- CNC machining

Detailed description and technical parameters of machines are on www.kinex.sk

Special processes

We offer complete in-house service in the area of special processes for aircraft industry – MPI, FPI, EDDY CURRENT and NITAL ETCH. All our special processes are certified according to Nadcap:

- EDDY CURRENT: Nadcap AC7114
- MAGNETIC PARTICLE INSPECTION (MPI): Nadcap AC7114
- FLUORESCENT PARTICLE INSPECTION (FPI): Nadcap AC7114
- NITAL ETCH: Nadcap AC7108



Bridge bearings

Production:

- Pot bearings are manufactured in accordance to EN 1337, EN 3834 a EN1090

Processes used during manufacturing of bridge bearings:

- Static calculations according to project documentation
- Processing of construction documentation
- Processing of manufacturing documentation
- Purchase of input material
- Manufacturing process and corrosion resistant protection application
- Final inspection and processing of shipment documentation and certificates

Construction variants - marking:

- Pot bearing fixed (KNG)
- Pot bearing allowing slide movement in one horizontal axis (KNGe)
- Pot bearing allowing slide movement in all horizontal directions (KNGa)



YOUR PARTNER FOR INDUSTRY



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Certificates

- ISO 9001:2008
- AS9100C
- Nadcap
- EN 1337-5:2005
- DIN EN ISO 3834-2
- EN 1090-2:2008
- EN 1090-1:2009



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