



Service Center for Tool,
Die and Mould Manufacturing



Gröditzter Werkzeugstahl Burg
GmbH



Our company

Gröditzter Werkzeugstahl Burg GmbH is a service center for tool, die and mould manufacturing with its own warehousing and machining facilities. The high-grade tool steels are exclusively produced, inspected and tested at Schmiedewerke Gröditz GmbH for the service center.

The production facilities of Schmiedewerke Gröditz GmbH include:

- **Metallurgy stage:**
50 t electric-arc furnace, ladle furnace, vacuum degasser, bottom teeming bay for ingots up to 75 t, ESR installation for ingot weights up to 84 t
- **Forging stage:**
Forging presses of 60 and 27 MN, extensive heat treatment installations

Service

Gröditzter Werkzeugstahl Burg GmbH has broad-ranging experience as a partner in tool, die and mould manufacturing. Qualified staff is available to provide advice on applications and problem solutions for all material and design matters. Gröditzter Werkzeugstahl Burg GmbH is organised to deliver customer orders promptly, reliably and in premium quality, at competitive conditions.

The close association with Schmiedewerke Gröditz GmbH allows applied design and development work

as well as integration of the engineering potential of a leading German tool steel producer. Heat treatments such as quenching and tempering, hardening or nitriding are available.

Quality

The quality management system of Gröditzter Werkzeugstahl Burg GmbH is certified according to ISO 9001. It is complemented by an environmental management system conforming according to ISO 14001. The tool steels produced at Schmiedewerke Gröditz GmbH are subject to strict quality controls.

The works acceptance tests are certified and documented, the quality documents are available to our customers at all times. Complete traceability of the production and quality data is guaranteed for all products.



Expertise in tool steel

Our product range

We supply from our tool steel service center in Burg:

- max. dimensions 1,660 x 1,560 x 6,000 mm (max. 35 t)
- Parts sawn to customer requirements
- Tool steel cut to size from forged bar steel and rolled plates; upon request, also with transport thread
- Steels for plastic moulding, hot work tool steels, cold work tool steels, die steels, also in ESR quality upon request
- Machining to customer specifications (sawing, milling, drilling, 3-D milling)
CAD/CAM: input of DWG, IGES, VDA, DXF, CATIA, Parasolid, STL file formats possible

Machining

The machining facilities of Gröditzter Werkzeugstahl Burg GmbH are designed to handle workpieces up to 35 t in weight.

The machining equipment include horizontal and ingot band saw equipment for cross-sections up to 1,700 mm, as well as double-column and mobile milling machines with CNC features for the exact pre-machining of large-size tool and die elements.

Machining capabilities		H x W x L (mm)
Sawing	Horizontal band saws	1,660 x 1,060 x 6,000
	Ingot band saws	1,560 x 1,560 x 4,000
Milling	Double-column milling machines	1,250 x 3,300 x 5,000
	CNC drilling and milling machines	1,250 x 2,000 x 6,000

Materials

- **1.1730**
Steel for moulding elements and prototyping
- **1.2311**
Steel for smaller plastic moulds
- **1.2312**
Steel for plastic moulding core components and prototyping
- **1.2738**
Steel for medium- and large-size plastic moulds
- **1.2738 mod.**
High-tensile plastic moulding steel
- **1.2083**
Corrosion-resistant plastic moulding steel
- **1.2080**
Cold work tool steel for maximum hardness
- **1.2379**
Cold work tool steel with high toughness
- **1.2714**
Die steel
- **1.2343**
Die-casting die steel
- **1.2344**
Hot work tool steel
- **1.2767**
Hardenable die steel





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