

OVERVIEW

Materials Processed

We use all machinable materials. Procurement is from qualified manufacturers and dealers in Germany and abroad, with works certificates or acceptance test certificates. Stock is held by batch, so that traceability is guaranteed at any time, even starting from the finished part.

Material group	Examples
Structural, quenched and tempered, case-hardening and nitriding steels	C45, S235, 15NiCr13, 20NiCrMo2-2, 16MnCrS5, 42CrMo4, 30CrNiMo8, 31CrMoV9, 34CrAlMo5-10
Free-cutting steels	11SMnPb30, 46SPb20, 11SMn30
Bearing steels, tool steels	100Cr6, 115CrV3, X210CrW12, HSS, HS6-5-2, HS18-1-2-10
Spring steels	56Si7, 51CrMnV4, 1.4310, Duratherm
Martensitic stainless steels, knife and valve steels	1.4034, 1.4112, 1.4125
Corrosion- and acid-resistant steels	1.4301, 1.4305, 1.4306, 1.4401, 1.4435, 1.4542, 1.4545, 1.4548, 1.4571, 1.4659, 15-5PH, 17-4PH, PH 13-8 Mo, AISI 304L, AISI 316L, Super Duplex
Implant materials	1.4441, 1.4456 (nickel-free), AISI 316 LVM, Elgiloy, Rex 734, Nitinol, Co-Cr28-Mo6, MP35N
Highly corrosion-resistant and heat-resistant materials	1.4828, 1.4878, 1.4923, 2.4856, Hastelloy, Haynes 25, Inconel, Nimonic, Monel
Soft magnetic materials, glass-sealing alloys	Armco, pure iron, Permenorm, Vacoflux, Vacon, Invar, Mu-metal, NiFe46, NiCo29-18
Aluminium	Al99, AlCuMgPb, AlMgSi1, AlZnMgCu0.5, EN AW1-7xxxx, aerospace alloys, titanium aluminide
Cu and Cu alloys	Electrolytic copper, OF-Cu, Cu-Be, brass, bronze, nickel silver, ARCAP
Titanium for medical applications	Pure titanium ASTM-F 67, Ti-6Al-4V-ELI ASTM-F 136, Ti15-Mo ASTM-F 2066, titanium grade 1-5, 23
Titanium for mechanical engineering and aerospace	3.7035, 3.7165, ASTM-B 348, MIL-T 9047, titanium grade 5, 7, 9
Sintered metals, matrix composites	Stellite, Ferrotitanit, Densimet, MMC

Pure metals, heavy metals	Nickel, zirconium, molybdenum, tantalum, tungsten
Precious metals	Platinum, Pt-Ir, gold, palladium
Ceramics	Macor, ZrO ₂ , Al ₂ O ₃
Filled and unfilled plastics	PA, PVC, POM, PTFE, PE, PI, PEEK, PMMA, GRP, Torlon, Chirulen (PE-UHMW), antibacterial and implantable plastics to ISO 10993
