

## Materials processed by BEUTTER



Beutter uses all machinable materials. These are procured exclusively from qualified manufacturers/dealers in Germany and abroad, and are accompanied by either a quality control report or an acceptance certificate. Stockkeeping is organised by batch, so that traceability is always ensured even for the finished components. Below are some examples of materials with which we have worked in the past:

### Material group

Structural steels, heat-treated steels  
case-hardening steels, nitriding steels

Free-cutting steels

Bearing steels, tool steels

Spring steels

Stainless valve steels

Rust- and acid-resistant steels

Implant materials

Highly corrosion-resistant and  
heat-resistant materials

Magnetically soft materials,  
glazing alloys

Aluminium

Cu alloys

Titanium for use in medical technology

Titanium for mechanical engineering and aviation

Sintered metals, matrix composite materials

Pure metals

Noble metals

Machinable ceramics

Plastics

### Examples

St37, C45, S235JR, 14NiCr14,  
20NiCrMo2-2, 16MnCrS5, 42CrMo4,  
30CrNiMo8, 31CrMoV9, 34CrAlMo5

9SMnPb28, 46SPb20, 11SMn30

100Cr6, 115CrV3, X210CrW12,  
HS6-5-2, HS18-1-2-10

56Si7, 51CrV4, 1.4310, Duratherm

1.4034, 1.4112, 1.4125

1.4301, 1.4305, 1.4401, 1.4435,  
1.4542, 1.4548, 1.4571, 15-5PH, 17-4PH

1.4441, Elgiloy, Rex 734

1.4828, 1.4878, Hasteloy, Haynes 25,  
Inconel, Nimonic, NiCrTiAl

Armco, Reineisen, Permenorm, Vacoflux,  
Vacon, Invar, NiFe46, NiCo29-18

Al99, AlCuMgPb, AlMgSi1,  
AlZnMgCu0,5, EN AW1-7xxxx, aviation alloys

Electrolytic copper, Cu-Be, brass, bronze,  
new silver, ARCAP

ASTM-F 67, ASTM-F 136, DIN ISO 5832

ASTM-B 348, ASM 4928, MIL T 9 047 G, TiAl

Stellite, Ferrotitanit, Densime1, MMC

Nickel, zirconium, molybdenum, tantalum

Platinum, Pt-Ir, gold

Macor

PA, PVC, POM, PTFE, PE, PI, PEEK,  
PMMA, GFK, Torlon, Chirulen (PE-UHMW),  
antibacterial/implantable plastics  
according to ISO 10993