



EVERYTHING

with tradition

BIKAR METALS – Non-ferrous excellence since 1962

Aluminium, copper, brass and bronze – since 1962, BIKAR has stood for high-quality semi-finished products for a wide range of industrial applications.

Across our locations in Germany, the UK and India, we offer more than **110,000 m² of production and storage space**. In our five high-bay warehouses, over **100,000 tonnes** of material are ready for you – available, precise and fast.

One of the **world's largest cutting centres for non-ferrous metals** and advanced aluminium plate production lines ensure short delivery times and professional service at all times.

Our modern machine range includes:

- Over 50 band saws, circular saws and ring saws
- Precision circular blank saws
- Fully automated milling centres for face-milled aluminium plates

This enables fast, flexible processing – exactly to your specifications. Under the FORMODAL® brand, we develop and produce cast and rolled aluminium plates in various alloys – tailored to your needs.

AEROSPACE

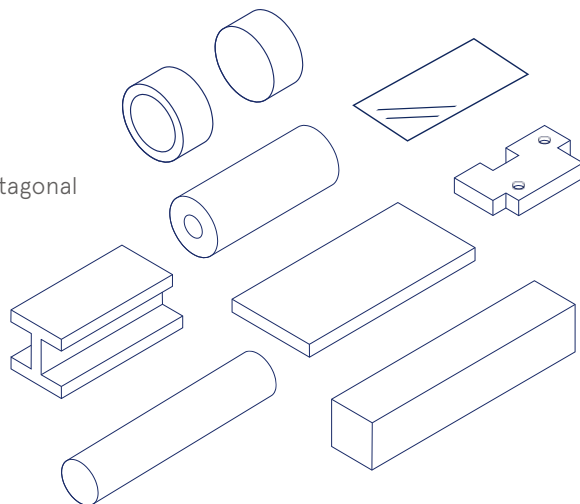
We offer you a wide range of aerospace alloys through BIKAR-AEROSPACE GmbH.

CERTIFICATIONS

9001 | 9100 | 9120 | 14001 | 50001

FORMS OF DELIVERY

- Sheets
- Plates: rolled plates, cast plates
- Rods: round, flat, square, hexagonal, octagonal
- Tubes: round, flat, square, hexagonal
- Profiles: L, U, T, Z according to drawing
- Sockets
- Round blanks / rings
- Roller tubes (precision tubes)
- Cut to size
- Drawing parts



Find out more about our modern production in the **BIKAR ZONE**:



**WATCH
OUR VIDEO**

www.bikar.com

**BIKAR
METALS**

ALUMINIUM

EN AW	Chemical composition
1050A	Al99,5
1350A	E Al99,5
2007	Al Cu4 Pb Mg Mn
2011	Al Cu6 Bi Pb
2017 A	Al Cu4 Mg Si (A)
2024	Al Cu4 Mg1
5005 A	Al Mg1 (C)
5083	Al Mg4,5 Mn0,7
5754	Al Mg3
6012	Al Mg Si Pb
6026LF	Al Mg Si Bi
6060	Al Mg Si
6061	Al Mg 1 Si Cu
6082	Al Si1 Mg Mn
7020	Al Zn4,5 Mg1
7022	Al Zn5 Mg3 Cu
7075	Al Zn5,5 Mg Cu

COPPER

Material number	Material designation	Former designation
CW004A	Cu-ETP	E-Cu57 / E-Cu58
CW008A	Cu-OF	OF-Cu
CW021A	Cu-HCP	SE-Cu
CW024A	Cu-DHP	SF-Cu
CW101C	Cu Be2	
CW103C	Cu Co1 Ni1 Be	
CW104C	Cu Co2 Be	
CW106C	Cu Cr1 Zr	Cu Cr Zr
CW111C	Cu Ni2 Si	Cu Ni2 Si

Tungsten copper (various alloys)

BRONZE

Material number	Material designation	Former designation
CC483K	Cu Sn12-C	G-Bz12
CC493K	Cu Sn7 Zn4 Pb7-C	Rg7
CW307G	Cu Al 10 Ni5 Fe4	Cu Al 10 Ni
CC333G	Cu Al 10 Fe5 Ni5-C	
CW452K	Cu Sn 6	
CW453K	Cu Sn 8	

PLASTICS

- LF
- HP
- PA
- PC
- PE
- PE-S-Green
- PMMA
- POM
- PP
- PTFE
- PUR
- PVC
- PVDF

Other alloys on request!



ALUMINIUM PLATES

FORMODAL® are special materials for tool, mould and model making. FORMODAL® cast plates are available rough sawn or milled flat on request.

Name	Alloy	Properties / Special features
FORMODAL® 07	1050A	Excellent anodising properties; outstanding electrical conductivity
FORMODAL® 019	5754	Excellent anodising properties; very good weldability
FORMODAL® 023	5083	Very good machinability; excellent corrosion resistance
FORMODAL® 023 compact	5083	High-density special casting; extremely non-porous and diffusion-tight
FORMODAL® 024 elox	5083	Optimised for anodising; easy to polish
FORMODAL® 025X	5083	Ultrafine grain structure; reduced hydrogen content
FORMODAL® 030	5083	Very good machinability; low internal stress
FORMODAL® 036	7021	High strength; low residual stress
FORMODAL® 036 compact	7021	High-density special casting; extremely non-porous and high-strength

FORMODAL-BM are flat milled precision rolled plates.

FORMODAL® BM-5083	5083	Excellent corrosion resistance; low residual stress
FORMODAL® BM-6082	6082	Good weldability; good machinability
FORMODAL® BM-7075	7075	High strength; excellent fatigue resistance
CERTAL® SPC	7122	High strength even at large thicknesses
UNIDAL®	7019	Very high dimensional stability; high strength

BRASS

Material number	Material designation	Former designation
CW508L	Cu Zn37	Ms63
CW509L	Cu Zn40	
CW608N	Cu Zn38 Pb2	Ms60
CW612N	Cu Zn39 Pb2	Ms58
CW614N	Cu Zn39 Pb3	Ms58
CW617N	Cu Zn40 Pb2	Ms58
CW618N	Cu Zn40 Pb2 Al	
CW622N	Cu Zn43 Pb1 Al	
CW708R	Cu Zn31 Si1	So-Ms68
CW710R	Cu Zn35 Ni3 Mn2 Al Pb	So-Ms59
CW713R	Cu Zn37 Mn3 Al2 Pb Si	So-Ms58 Al2