

OUR KNOW-HOW

is part and parcel of many important end products.

We manufacture and supply powders, solutions, granules and alloys for numerous sophisticated applications in many different industries such as:

- precision investment casting
- thermal spraying powder
- engineering ceramics – structural ceramics
- sputter targets und evaporation materials
- electro ceramics and ionic conductors
- hardmetals and cermets
- energy storage – batteries and electrolytes
- process catalysts
- water purification
- pigments, frits and ceramic stains
- glass fusion and polishing agents
- flints
- environmental catalysts
- pharmaceutical industry
- steel and foundry industry
- recycling



Discover solutions.

Your overview of the complete product range of Treibacher Industrie AG.

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Innovation is our tradition.

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PRODUCT OVERVIEW

Oxides
Oxygen compounds of highest purity: rare earth oxides, refractory metal oxides and mixed oxides – also individually to customer's needs

Non-oxides
carbides, carbonitrides, nitrides and borides

Salts & solutions
carbonates, aluminates, chlorides, fluorides, nitrates, sulfates, acetates, oxalates and solutions, which can be custom-made for various applications

Alloys
Ferro alloys and non-ferrous alloys

Metals
Rare earths, mixed, refractory and non-ferrous metals with highest purity

Recycling
From metal containing catalysts to new alloys

Lighter flints

OXIDES

Rare earth oxides		
AUERPOL® cerium oxide (CeO ₂) dysprosium oxide (Dy ₂ O ₃) erbium oxide (Er ₂ O ₃) europium oxide (Eu ₂ O ₃) gadolinium oxide (Gd ₂ O ₃)	holmium oxide (Ho ₂ O ₃) lanthanum oxide (La ₂ O ₃) lutetium oxide (Lu ₂ O ₃) neodymium oxide (Nd ₂ O ₃) praseodymium oxide (Pr ₆ O ₁₁) samarium oxide (Sm ₂ O ₃)	scandium oxide (Sc ₂ O ₃) terbium oxide (Tb ₄ O ₇) thulium oxide (Tm ₂ O ₃) ytterbium oxide (Yb ₂ O ₃) yttrium oxide (Y ₂ O ₃)
Refractory metal oxides		
hafnium oxide (HfO ₂) niobium oxide (Nb ₂ O ₅) molybdenum oxide (MoO ₂) tantalum oxide(Ta ₂ O ₅) titanium oxide (TiO ₂) vanadium pentoxide (V ₂ O ₅), technical or purum	vanadium trioxide (V ₂ O ₃) tungsten oxide: blue WO ₂ , yellow WO ₃ zirconium oxide, doped ZrO ₂ , min. 99.50 % ZrO ₂ , min. 99.95 %	
Mixed oxides		
CeSZ cerium oxide stabilized zirconia GDC, SDC Gd-, Sm-doped cerium oxide lanthanum aluminate (LaAlO ₃) LSM, LSCF, BSCF SCZ scandium stabilized zirconia YAG yttria - alumina - garnet	YAZ yttria - alumina – zirconia YSZ yttrium stabilized zirconia 3 YSZ 3.00 mol-% yttrium oxide 7.5 YSZ 7.50 mol-% yttrium oxide 8 YSZ 8.00 mol-% yttrium oxide	

NON-OXIDES

Borides			
chromium boride (CrB ₂) hafnium boride (HfB ₂) lanthanum hexaboride (LaB ₆)	molybdenum boride (MoB) niobium boride (NbB ₂) tantalum boride (TaB ₂)	titanium boride (TiB ₂) tungsten boride (WoB) zirconium boride (ZrB ₂)	
Carbonitrides			
mixed carbonitrides	titanium carbonitrides Ti (C, N)		
Carbides			
chromium carbide (Cr ₃ C ₂) nickel carbide (NbC) mixed carbides (WC/TiC/TaC/NbC) molybdenum carbides (Mo ₂ C)	tantalum carbides (TaC) tantalum niobium carbide (TaC/NbC) titanium carbide (TiC) vanadium carbide (VC)	tungsten carbide (WC) tungsten titanium carbide (WC/TiC)	
Nitrides			
chromium nitride (Cr ₂ N)	tantalum nitride (TaN)	titanium nitride (TiN)	yttrium nitride (YN)

SALTS & SOLUTIONS

Rare earths and zirconia			
acetates	carbonates	nitrates	zirconium carbonate zirconium acetate
aluminates	chlorides	oxalates	
ammonium nitrates	fluorides	sulfates	
Vanadium compounds			
ammonium polyvanadate (NH ₄ V ₃ O ₈)	vanadium sulfate solution (VOSO ₄) vanadyl oxalate solution (VOC ₂ O ₄)		
ammonium metavanadate (NH ₄ VO ₃)			
sodium vanadate solution (NaVO ₃)			
Mixed compounds			
cobalt aluminate (CoAl ₂ O ₄)	yttrium nitrate solution zirconium rare earth acetate		
yttrium cobalt solution			
Electrolyte solution			
Vanadium electrolyte solution	yttrium cobalt solution	yttrium nitrate solution	

FERRO ALLOYS & CALCIUM-ALUMINATES

FeV80	FeV60	FeV50	FeMo70	FeNiMo	Calumet®
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NON FERROUS METAL ALLOYS

battery alloys (AB5) nickel/cobalt/ferro-superalloys mischmetal nickel base alloys rare earth alloys i.e. YAl, YNi, AlSm, CoCe skutterudite alloys	titanium manganene base alloys hydrogen getter alloys (AB2, AB5) yttrium cobalt zirconium vanadium – ferro - alloys
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METALS

Rare earths		
aluminum scandium alloys cerium metal dysprosium metal europium metal erbium metal gadolinium metal	holmium metal lanthanum metal lutetium metal mischmetal neodymium metal praseodymium metal	samarium metal scandium metal terbium metal thulium metal yttrium metal ytterbium metal
Non ferrous metals		
chrome (Cr) cobalt (Co) nickel (Ni)	niobium magnesium (Mg) manganese (Mn)	silicium (Si) yttrium cobalt (YCo)

Refractory metals

tungsten metal powder

FINISHED PRODUCTS

AUERPOL® polishing powder
lighter flints

