

.materials

**CONCEPTLASER**

LaserCUSING® materials for  
additive manufacturing with metals





**Stainless steel** **CL 20ES**

Stainless steel (powder), chemical composition according to 1.4404, X2CrNiMo 17-12-2, 316L / SUS 316L

**Aluminium alloys** **CL 30AL / CL 31AL / CL 32AL**

Aluminium alloy (powder), chemical composition  
 CL 30AL according to DIN EN 1706 AISi12(a) / ADC 12,  
 CL 31AL according to DIN EN 1706 AISi10Mg(b),  
 CL 32AL according to DIN EN 1706 AISi10Mg(b) (exclusive for X LINE 1000R / X LINE 2000R)

**Titanium alloy** **CL 41TI ELI**

Titanium alloy TiAl6V4 ELI (powder), chemical composition et al. according to ASTM F136-02a (ELI Grade 23)

**Commercially Pure Titanium** **CL 42TI**

Commercially Pure Titanium (powder), chemical composition includes ASTM F67 and ASTM B348 Grade 2

**Hot-work steel** **CL 50WS**

Hot-work steel (powder), chemical composition according to 1.2709

**Copper alloy** **CL 80CU**

Bronze (powder)

**Stainless hot-work steel** **CL 91RW**

Stainless hot-work steel (powder)

**Precipitation hardening stainless steel** **CL 92PH**

Precipitation hardening stainless steel powder (17-4 PH), chemical composition according to ASTM A564 / A564M – 13 UNS S17400 / SUS 630

**Nickel-based alloys** **CL 100NB / CL 101NB**

Nickel-based alloy (powder), chemical composition  
 CL 100NB (Inconel 718) according to ASTM B 637 UNS N07718  
 CL 101NB (Inconel 625) according to ASTM B446-03 UNS N06625

**CoCrW-alloy powered by Dentaurem** CE 0483 **remanium® star CL**

CoCrW-alloy (powder) according to DIN EN ISO 9693 / DIN EN ISO 22674, Type 5

**Titanium alloy powered by Dentaurem** CE 0483 **rematitan® CL**

Titanium alloy (powder) according to DIN EN ISO 9693 / DIN EN ISO 22674, Type 4

**Precious metal alloys\***

Silver alloy (powder)	930 ‰
Yellow gold (powder)	18 carat 3N
Rose gold (powder)	18 carat 4N
Red gold (powder)	18 carat 5N
Platinum alloy (powder)	950 ‰

\* Parameter from Concept Laser GmbH, material procured directly from precious metal supplier, contact details available on request.

**Concept Laser GmbH**  
 An der Zeil 8  
 D 96215 Lichtenfels

T: +49(0)95 71. 1679 200  
 F: +49(0)95 71. 1679 299  
 info@concept-laser.de

**Concept Laser Inc.**  
 1000 Texan Trail, Ste 150  
 Grapevine, TX 76051 USA

T: +1-817-328-6500  
 info@conceptlaserinc.com  
 www.conceptlaserinc.com