

## Metal 3D printing service

Material	Description
Scalmalloy®	This material is corrosion-resistant and combines the low weight of aluminium with almost the specific strength of titanium.
Nimonic 263 /Haynes 263	Nimonic 263 / Haynes 263 is a nickel-cobalt-chromium-molybdenum alloy designed specifically to combine very good strength properties with excellent fabrication characteristics in the annealed condition. The alloy is also age hardenable.
Aluminium AlSi7Mg 0.6 (A357)	Definitive aluminum, very workable and extremely resistant.
Aluminium AlSi10Mg	Very low specific weight (light). AlSi7Mg is an alloy for aerospace applications.
Titanio Ti6Al4V (Grade 23 ELI)	Titanium grade 23, ideal for use in automotive, medical and jewelry applications according to ASTM F136-02a.
Inconel 718	Nickel based alloy for the production of components for high temperatures applications.
Inconel 625	
Maraging Steel 1.2709	Material for the production of components for tool inserts with conformal cooling and production of functional components.
Stainless Steel AISI 316L	It's an austenitic stainless steel for the production of functional parts or components for pre-production moulds.
Stainless Steel 17-4ph	It's a precipitation hardening stainless steel for the production of functional parts or medical instruments.
Stainless Steel 15-5PH	15-5 PH Stainless Steel is a martensitic precipitation-hardening stainless steel that provides an outstanding combination of high strength, good corrosion resistance, good mechanical properties at temperatures up to 600 °F (316 °C).
NickelAlloy X (HX)	NickelAlloy is a nickel-chromium-iron-molybdenum alloy in fine powder form. This type of alloy is characterized by having high strength and oxidation resistance also at elevated temperatures and is often used up to 1200°. Therefore, its applications can be found in aerospace technology, Oil & Gas and gas turbine parts.
Alloy 282	Alloy 282 is a superalloy suitable for the aerospace and Oil & Gas industries developed for use in critical applications at temperatures close to 1000 ° C as turbine parts and exhausts. The piece obtained can be subjected to heat treatment to improve the mechanical and fatigue characteristics at high temperatures.
AISI 420	The AISI 420 is a self-hardening martensitic steel which has complementary characteristics to ferritic and austenitic steels. The hardening process to which it is subjected makes it very useful for cutlery, structural parts, surgical and dental instruments, parts of valves.
Tungsten	Tungsten is a material with high wear resistance used for the production of tools for the metalworking, mining, petroleum and construction industries. Tungsten is radiation-resistant and is widely used for aerospace applications.

Cobalt-Chrome F75	Material with high mechanical and thermal resistance, ideal for models with thin walls and subjected to high temperatures.
Bronze	It's a material whose melting properties make it outstandingly suited to generative processing.
Copper Alloy CuNi2SiCr	Material with favorable combination of electrical and thermal conductivity accompanied by high stiffness.
<p><b>All these materials are suitable for definitive parts.</b>  <b>All functional tests can be performed on prototype parts as they were the final product. Suitable for finishes and surface treatments. Ideal for rapid manufacturing products.</b></p>	