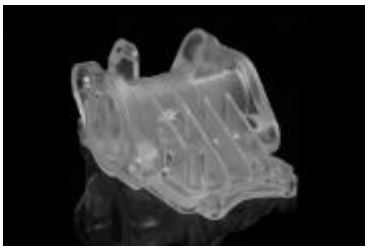
Materials

CNC metal machining

Materials	Images	Features
Aluminum		High strength-to-weight ratio
Stainless steel		Good corrosion resistance + High Hardness
Steel		Good machinability + Excellent electrical conductivity
Brass		Good machinability + Excellent electrical conductivity
Copper		> 99.3% Purity + Superior electrical conductivity
Titanium		Corrosion resistance + High tensile strength

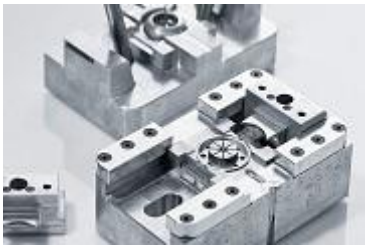
CNC plastic machining

Materials	Images	Features

ABS		High stability + Easy to process
POM (Delrin)		Low-friction + High-stiffness
PC (Polycarbonate)		High impact resistance + High transparency
PA (Nylon)		High chemical and heat resistance + High abrasion and wear resistance
PMMA (Acrylic)		High transparency + Good chemical stability
PEEK		High-performance thermoplastic, very high strength, thermal and chemical resistant.
PP (Polypropylene)		Excellent chemical resistance. Food-safe grades available.

PE (Polyethylene)		Excellent strength-to-weight ratio, impact and weather resistant.

Injection mold tooling

Materials	Images	Features
Aluminum		High machinability and ductility, good strength-to-weight ratio.
Tool Steel		High hardness and stiffness, abrasion resistant.

Plastic injection molding

Materials	Images	Features
ABS		High stability + Easy to process
POM (Delrin)		Low-friction + High-stiffness
PC (Polycarbonate)		High impact resistance + High transparency

PA (Nylon)		High chemical and heat resistance + High abrasion and wear resistance
PMMA (Acrylic)		High transparency + Good chemical stability
PEEK		High-performance thermoplastic, very high strength, thermal and chemical resistant.
PP (Polypropylene)		Excellent chemical resistance. Food-safe grades available.
PE (Polyethylene)		Excellent strength-to-weight ratio, impact and weather resistant.

Sheet metal fabrication

Materials	Images	Features
Aluminum		High strength-to-weight ratio\ Aerospace components
Copper		> 99.3% Purity + Superior electrical conductivity

Stainless steel		Good corrosion resistance + High Hardness
Steel		Good machinability + Excellent electrical conductivity

3D printing plastic

Materials	Images	Features
Nylon		High chemical and heat resistance + High abrasion and wear resistance
ABS		High stability + Easy to process
PLA		High stiffness, good detail, affordable.
Resin		High detail and smooth surface, injection mold-like prototyping.