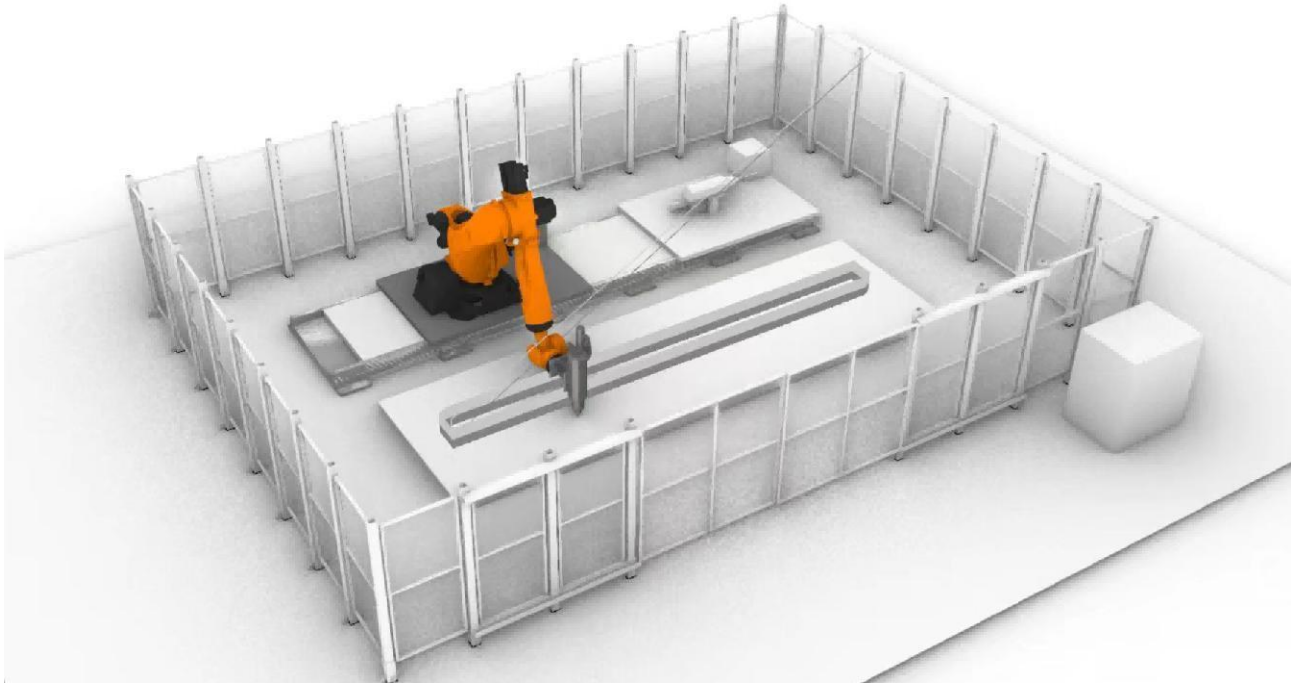
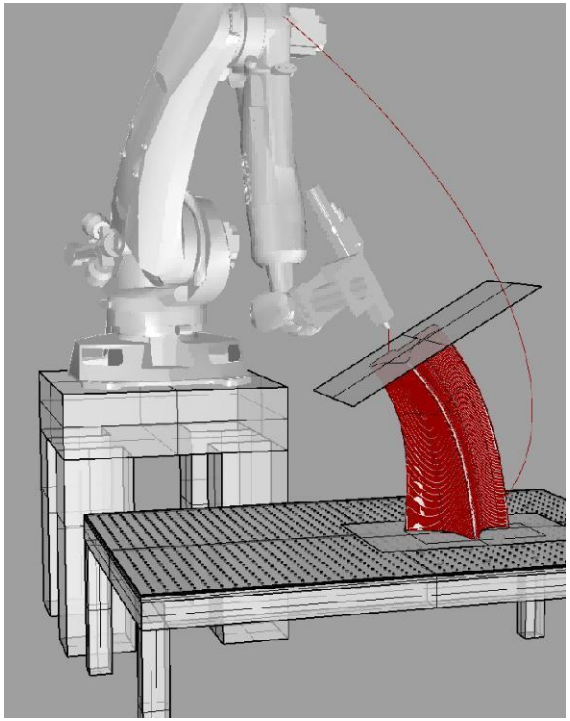

IEMAI
Robot Arm 3D Printing Solution

Mass production intelligent factory

Solution





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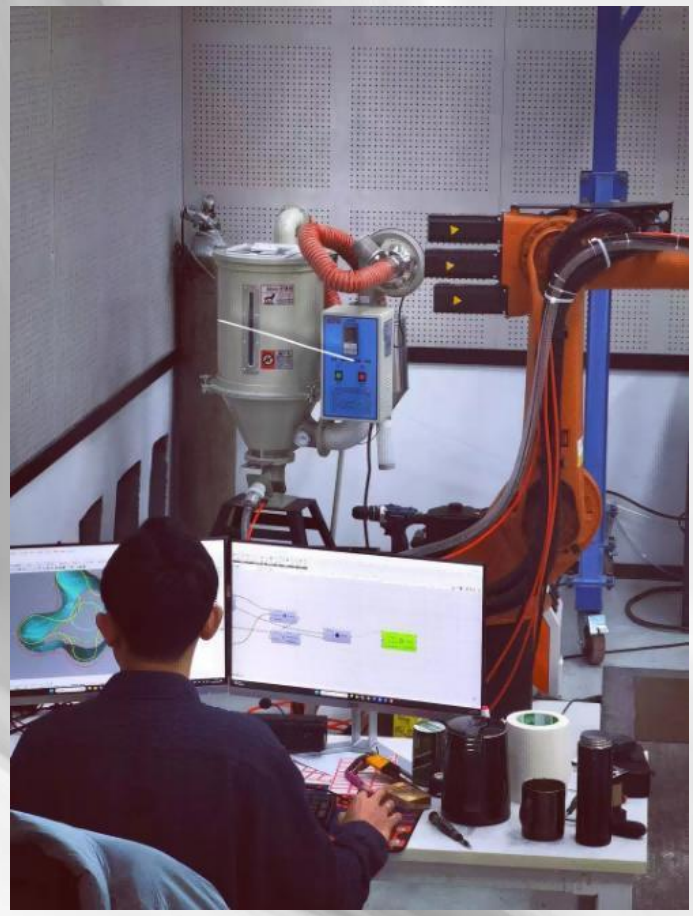
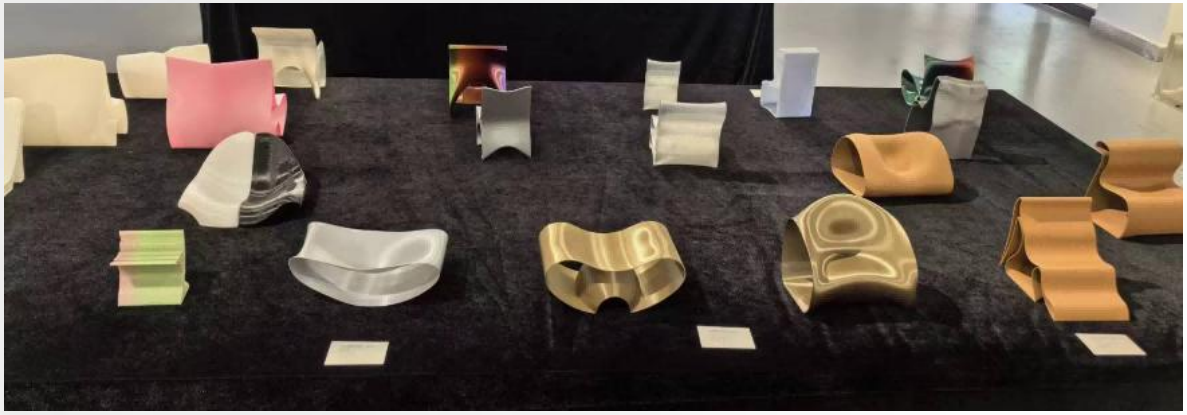
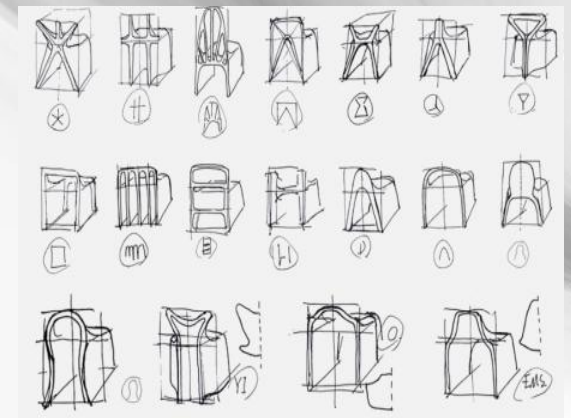


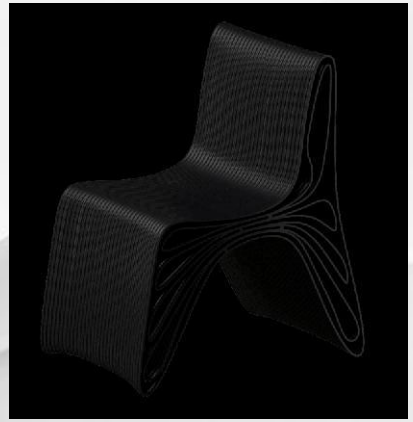
Laboratory

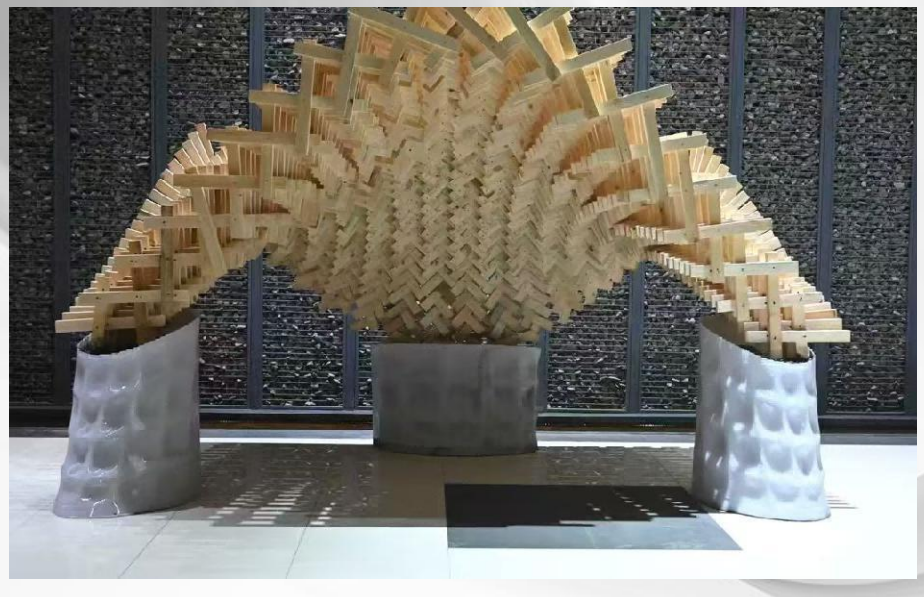


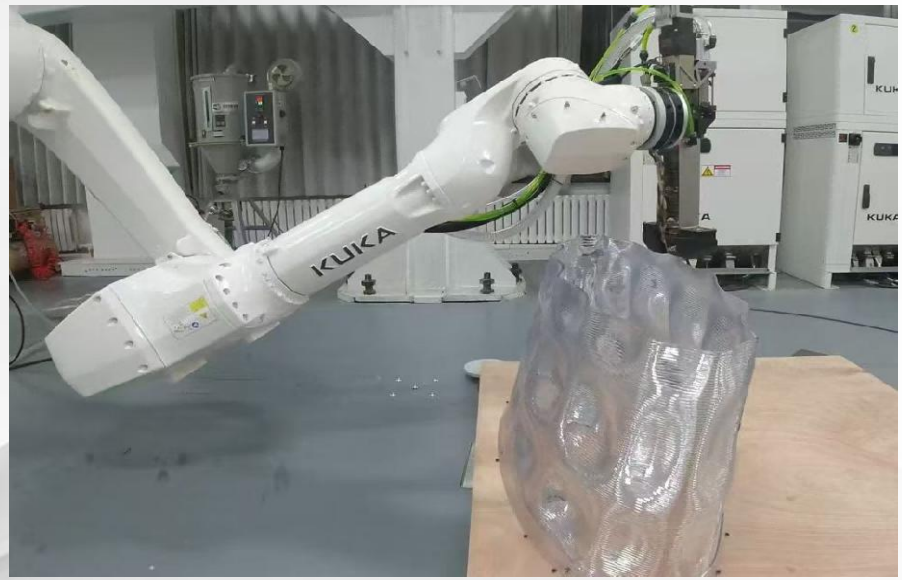







Cases





Cases

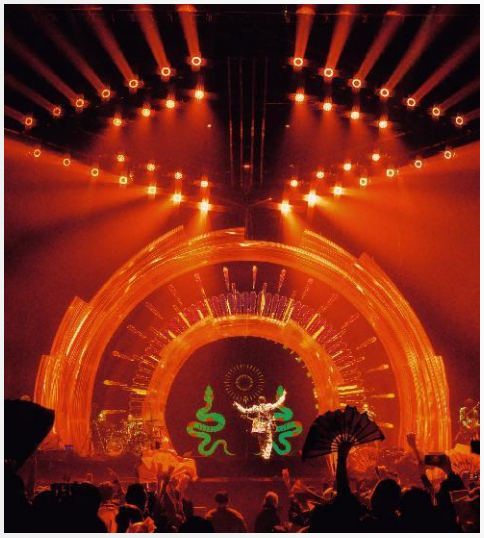
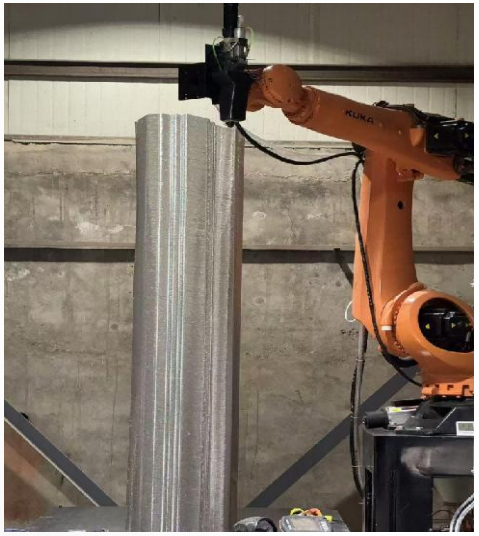
Cases


Print More Materials, All For Applications
知识产权
Intellectual Property

Cases

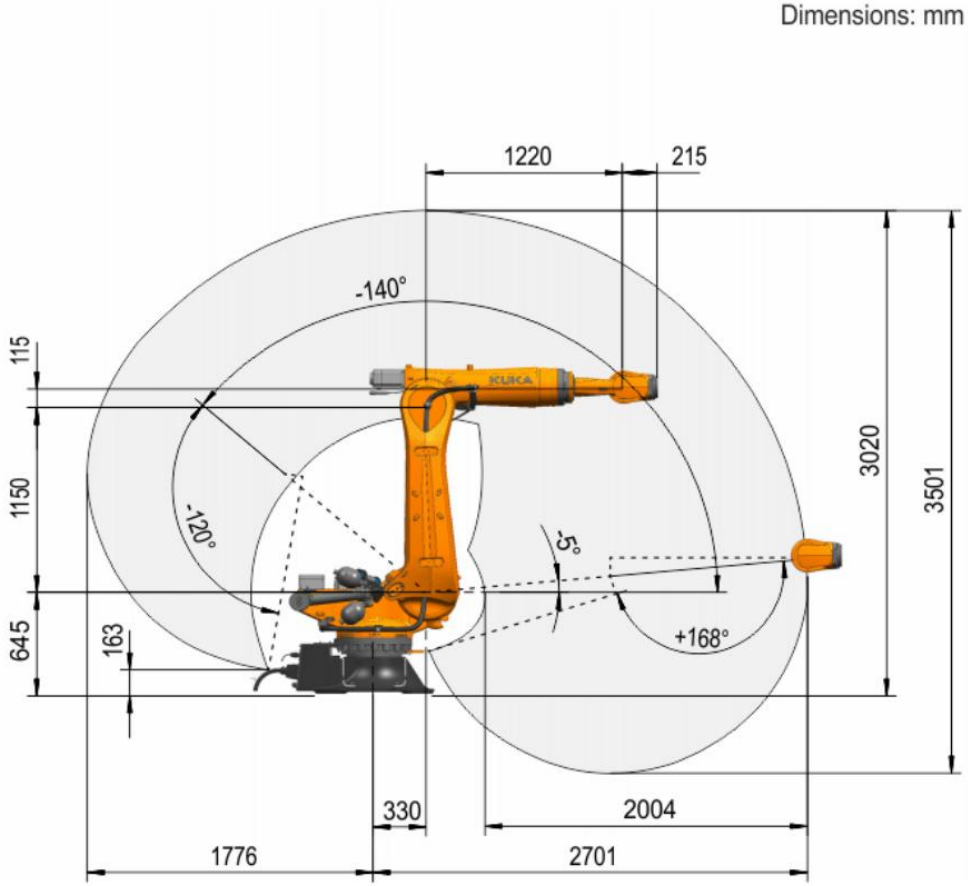
Cases

Cases


Robot Arm Parameters

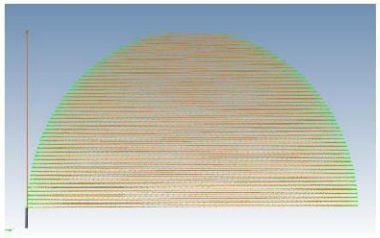
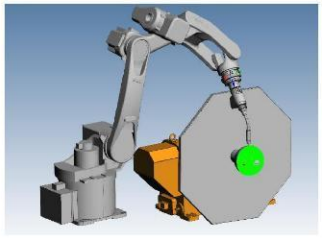
KR 210 R2700-2



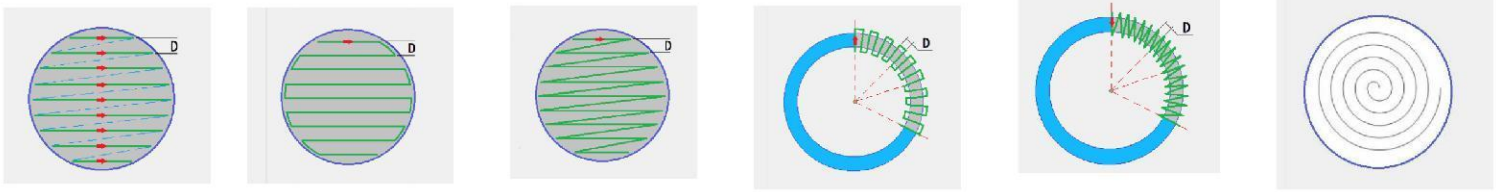
Pellet Extruder Parameters

	Pellet Ext S3	Pellet Ext P6	Pellet Ext L20
Weight	5.8KG	10KG	180KG
Size	480*145*128 mm	692*190*132 mm	1820*733*338 mm
Screw Size	D27*L275 mm	D34*L365 mm	D36*L900 mm
Screw Heating Temperature	450℃, Three Heating Zones	450℃, Three Heating Zones	500℃, Four Heating Zones
Melt Pump Heating Temperature	N/A	N/A	450℃
Cooling Method	Water Cooling (Insulation Section)	Water Cooling (Insulation Section)	Water Cooling (Insulation Section)
	+Air Cooling (Model Heat Dissipation)	+Air Cooling (Model Heat Dissipation)	+Air Cooling (Melt Pump Coupling)
Maximum Throughput	3KG/H	6KG/H	20KG/H
Applicable Nozzle	1,2,4,6,8,10 mm	1,2,4,6,8,10 mm	4,6,8,10,15,20 mm
Power Supply	24V 890W	220V 50Hz 2.1KW	220V 50Hz 15.5KW
Screw Motor Torque	0.96N.m	1.91N.m	15N.m
Melt Pump Motor Torque	N/A	N/A	5.0N.m
Rolling Shaft Motore Torque	N/A	N/A	1.91N.m

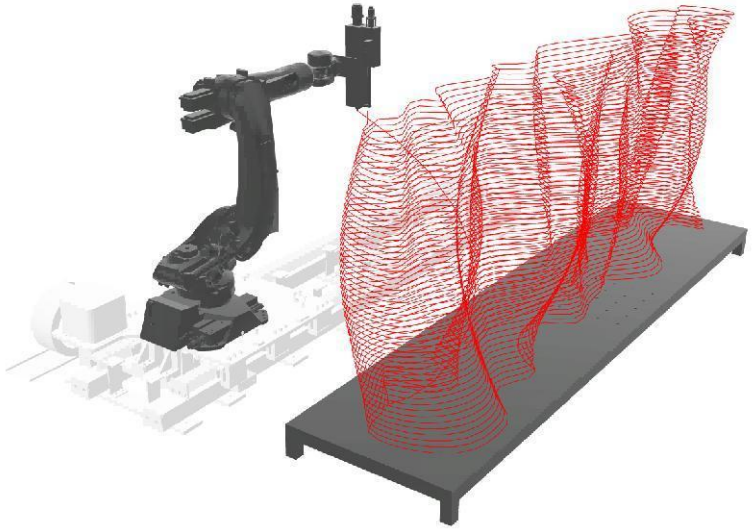
Software Parameters

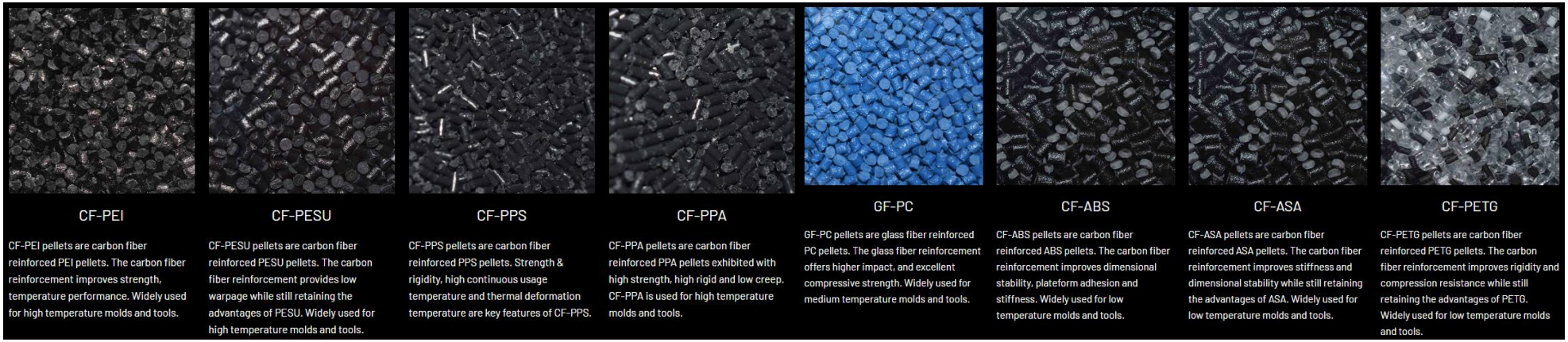
Support Functions: Scenario Construction, Process Planning, Virtual Simulation, Process Optimization, On-Site Testing



Supports a variety of conventional path planning, including Linear, Unidirectional, Reciprocating, Offset, Z-Shaped and Planar Spiral are more suitable for complex shapes.



Printing Material Parameters



CF-PEI

CF-PEI pellets are carbon fiber reinforced PEI pellets. The carbon fiber reinforcement improves strength, temperature performance. Widely used for high temperature molds and tools.

CF-PESU

CF-PESU pellets are carbon fiber reinforced PESU pellets. The carbon fiber reinforcement provides low warpage while still retaining the advantages of PESU. Widely used for high temperature molds and tools.

CF-PPS

CF-PPS pellets are carbon fiber reinforced PPS pellets. Strength & rigidity, high continuous usage temperature and thermal deformation temperature are key features of CF-PPS.

CF-PPA

CF-PPA pellets are carbon fiber reinforced PPA pellets exhibited with high strength, high rigid and low creep. CF-PPA is used for high temperature molds and tools.

GF-PC

GF-PC pellets are glass fiber reinforced PC pellets. The glass fiber reinforcement offers higher impact, and excellent compressive strength. Widely used for medium temperature molds and tools.

CF-ABS

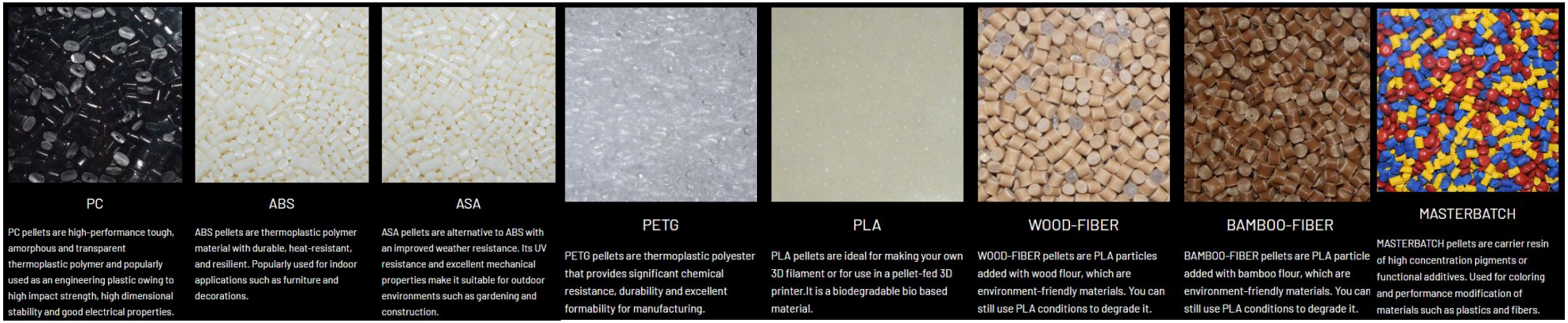
CF-ABS pellets are carbon fiber reinforced ABS pellets. The carbon fiber reinforcement improves dimensional stability, plateform adhesion and stiffness. Widely used for low temperature molds and tools.

CF-ASA

CF-ASA pellets are carbon fiber reinforced ASA pellets. The carbon fiber reinforcement improves stiffness and dimensional stability while still retaining the advantages of ASA. Widely used for low temperature molds and tools.

CF-PETG

CF-PETG pellets are carbon fiber reinforced PETG pellets. The carbon fiber reinforcement improves rigidity and compression resistance while still retaining the advantages of PETG. Widely used for low temperature molds and tools.



PC

PC pellets are high-performance tough, amorphous and transparent thermoplastic polymer and popularly used as an engineering plastic owing to high impact strength, high dimensional stability and good electrical properties.

ABS

ABS pellets are thermoplastic polymer material with durable, heat-resistant, and resilient. Popularly used for indoor applications such as furniture and decorations.

ASA

ASA pellets are alternative to ABS with an improved weather resistance. Its UV resistance and excellent mechanical properties make it suitable for outdoor environments such as gardening and construction.

PETG

PETG pellets are thermoplastic polyester that provides significant chemical resistance, durability and excellent formability for manufacturing.

PLA

PLA pellets are ideal for making your own 3D filament or for use in a pellet-fed 3D printer.It is a biodegradable bio based material.

WOOD-FIBER

WOOD-FIBER pellets are PLA particles added with wood flour, which are environment-friendly materials. You can still use PLA conditions to degrade it.

BAMBOO-FIBER

BAMBOO-FIBER pellets are PLA particle added with bamboo flour, which are environment-friendly materials. You can still use PLA conditions to degrade it.

MASTERBATCH

MASTERBATCH pellets are carrier resin of high concentration pigments or functional additives. Used for coloring and performance modification of materials such as plastics and fibers.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