

Available Metal and Alloys for Different Casting & Manufacturing Processes

MANUFACTURING PROCESS		MATERIAL
Sand Casting	Green Sand Casting	Grey Cast Iron, Ductile Cast Iron, Malleable Iron, Stainless Steel, Carbon Steel, Alloy Steel, Aluminum Alloy, Brass, etc
	Resin Coated Sand Casting	
Investment Casting (Lost Wax Casting)	Water glass Investment Casting	Carbon Steel, Alloy Steel, Stainless Steel, Duplex Stainless Steel, Cast Iron, Brass, Aluminium and other alloys
	Silica Sol Investment Casting	
Lost Foam Casting		Ductile Cast Iron / Grey Cast Iron
		ASTM 60-40-18 / 65-45-12 / 80-55-06 / 100-70-03
		Carbon steel, Hi-Mn steel, Hi-Cr steel
		Austempering Ductile Iron (ADI)
		Heat Resistant Steel / Wear Resistant Steel
Vacuum Casting (V Process Casting)		Ductile iron GGG 40 to GGG 80 / Grey Iron
		ASTM 60-40-18 / 65-45-12 / 80-55-06 / 100-70-03
		Carbon steel, Hi-Mn steel, Hi-Cr steel
		Austempering ductile iron
		Heat resistant steel / Wear resistant steel / Stainless Steel
Forging	Open Forging	Stainless Steel, Carbon Steel, Alloy Steel, Brass, Aluminum
	Die Forging	
	Roll Forging	
Die Casting	High Pressure Die Casting	Aluminum, Zinc, Brass
	Low Pressure Die Casting	
	Gravity Pressure Die Casting	
Surface Treatment Services		Powder Coating, Anodization, Electrophoresis, Chrome Plating, Painting, Sand blasting, Nickel Plating, Zinc Plating, Blacking, Polishing, Bluing, Geomet, Zintek, etc.
CNC Precision Machining Services		Lathing, Milling, Turning, Honing, Drilling, Boring, Tapping, Wire Electrode Cutting, Grinding...etc.
Inspection and Quality Control		Spectrum Analyzer, CMM, Hardness Tester, Tensile Strength Tester, Yild Strentgh Testor, Sealing Pressure Tester, Carbon Sulfur Analyzer, Metallurgical Microscopy, Press Force Tester...etc.