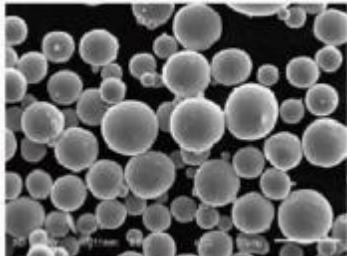


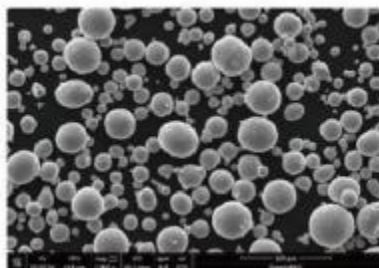
Product Catalogue

Ti64 Gr5

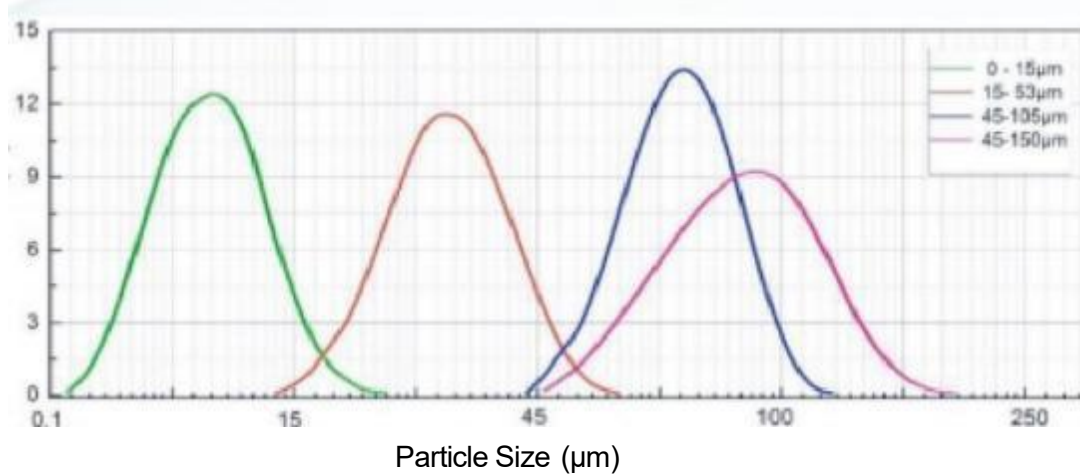


Typical Product	Ti64			
Size Distribution(μm)	0~15	15~53	45~105	45~150
Flowability		$\leq 35\text{s}$	$\leq 25\text{s}$	$\leq 25\text{s}$
Packing Density (g/cm^3)	2.1	2.2	2.4	2.4
Oxygen content	800-1500ppm			

Inconel 718



Typical Product	IN 718			
Size Distribution(μm)	0~15	15~53	45~105	45~150
Flowability		$\leq 20\text{s}$	$\leq 20\text{s}$	$\leq 15\text{s}$
Packing Density (g/cm^3)	4.2	4.3	4.4	4.4
Oxygen content	0-300ppm			



Titanium Titanium alloy powder

Category /China Brand		Foreign brands	Particle size	Flowability	Ayunen content/ppm
Pure Ti	TAD	TiCp	15-45μm	≤35s/50g	≤1300
Titanium	TC4	Ti64 G5			≤1500
	TC4E	Ti64G23			≤1300
	TC11	BT9			≤1600
	TA15	BT20			≤1600
	TA19	Ti6242			≤1600
Intermetallic alloy	Ti48Al2Cr2Nb	Ti4822	20-63μm	≤1500	
	Ti2AlNb			≤1000	
	NiTi		45-105μm	Ni: 40-50%	Ti: 50-60%
	ZrTi			Zr: 10-50%	Ti: 50-90%
	NbSi				

Nickel base alloy powder

Category /China Brand		Foreign brands	Particle size	Flowability	Oyuoen contént/ppm
Superalloy	GH4169	In718	15-45μm	≤18s/50g	≤300
	GH3625	In625			≤300
	GH3536	Hastelloy X			≤300
	GH738	Waspaloy	15-53μm		≤300
	K418	In713	20-63μm		≤300
	GH5188	HA188	53-150um		≤300
	DZ125/ DZ1251	Renc125			≤300
	DD402	CMSX-2			≤300
	FGH91/95/96/97	Rene95/88DT			≤300

Die Steel、Stainless steel powder

Category /China Brand		Foreign brands	Particle size	Flowability	Oxygen content/ppm
Die Steel	4Cr5MoSiV	H13	15-45μm 15-53μm 20-63μm	≤18s/50g	≤500
	18Ni300	1.2709/MS1			≤500
	4Cr13	Invar36			≤500
	-----	A100			≤500
	0CrNi2Si2MoVA	300M			≤500
	W6Mo5Cr4V2	M2			≤500
	-----	Corrax			≤500
Stainless steel	00Cr17Ni14Mo2	316L			≤500
	0Cr17Ni4Cu4Nb	17-4PH			≤500

Cobalt chromium alloy powder

Category/China Brand		Foreign brands	Particle size	Flowability	Oxygen content/ppm
Cobalt	CoCrMo	Sp1	10-30μm	≤18s/50g	≤300
	CoCrMoW	Sp2	15-45μm		≤300
	CoCrW		20-63μm		≤300

Aviation aluminum alloy powder

Category/China Brand		Foreign brands	Particle size	Oxygen content/ppm
Aluminium	2024	--	15-53μm	≤600
	6061	--		≤600
	ZL104	AlSi10Mg	20-63μm	≤600

Refractory Metal powder (spherical)

Category	Category	Particle size
w	Cr	0-45μm
Ta	V	
Nb	No	

Precious Metal powder (spherical)

Species	Gravity	Apparent density	Particle size
18Kgold	Au75%	15.5g/cm ³	0-45μm
silver	Ag930%	10.3g/cm ²	0-45μm
pltinum	P95.5%	20.7g/cm ³	0-45μm