



PRODUCT CHARACTERISTICS

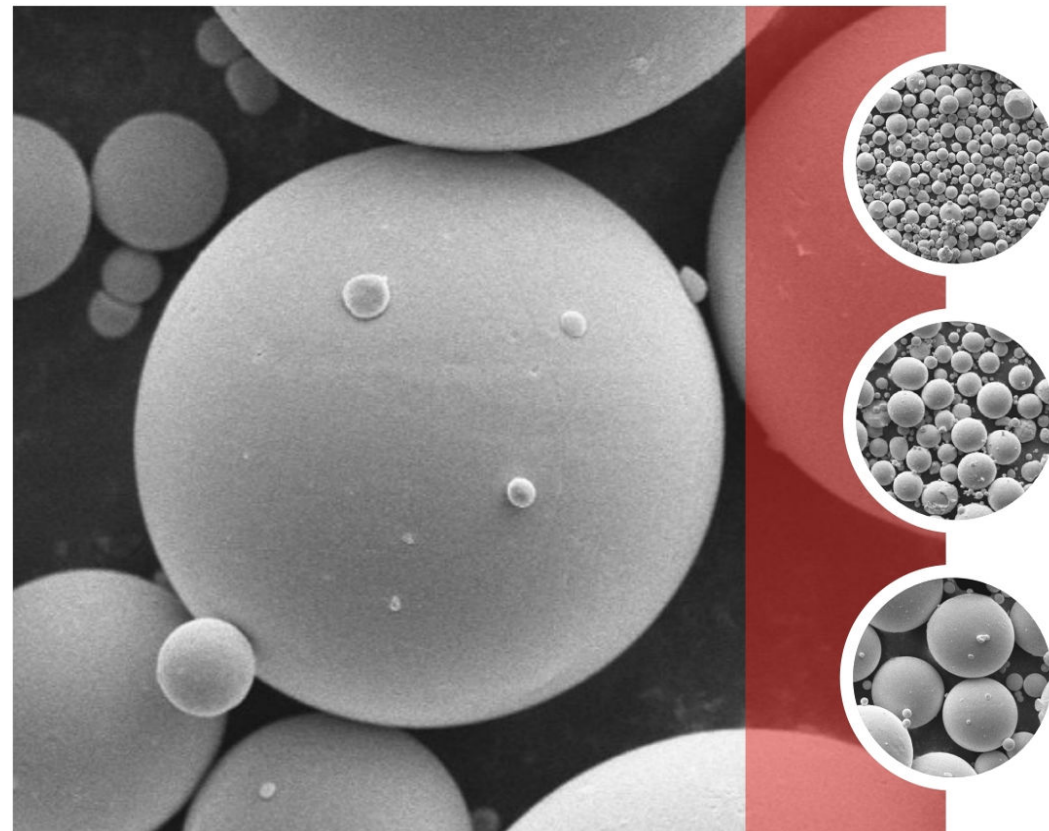
- Market-oriented and actively developing and improving our production technology
- Minimizing the cost of powdered raw materials
- Promoting the industrialization of 3D printing technology

Spherical shape particles

Good flowability

Particle size distribution tailored to the application and properties

Controlled chemical composition and low gas content



CNPC POWDER

3D PRINTING POWDERS

CNPC POWDER has been working constantly and continuously to develop a new line of metal powders tailored for the 3D printing industry. All of our powders meet the high quality standards required for additive manufacturing & 3D printing.

Iron based powders	Composition (%)	O (%)	A.D.g/cm ³	Particle Size
CNPC-SS304L	Cr18-20, Ni8-12, C 0.03	0.05	3.5-5.0	0-15um, 15-45um,45-106um, D50 1-2um
CNPC-SS316L	Cr16-18, Ni10-14, Mo2-3,C 0.03			0-15um, 15-45um,45-106um, D50 1-2um
CNPC-SS17-4PH	Cr15.5-17.5, Ni3-5,Cu3-5,Nb0.15-0.45?			0-15um, 15-45um,45-106um, D50 1-2um
CNPC-18Ni300	Ni18-19, Mo 4.6-5.2, Co8.5-9.5, Ti 0.5-0.8			0-15um, 15-45um,45-106um
CNPC-H13	Cr 4.7-5.5, Mo 1.1-1.7, V 0.8-1.2 Si 0.8-1.2			0-15um, 15-45um,45-106um
CNPC-M2	Cr 3.8-4.4, Mo 4.5-5.5, W5.5-6.7, V 1.7-2.2			0-15um, 15-45um,45-106um

Aluminum based powders	Composition (%)	O (%)	A.D.g/cm ³	Particle Size
CNPC-AISi10Mg	Si 9-11,Mg 0.3-0.5, Al Bal.	0.1	0.8 - 1.2	0-15um, 15-45um, 20-60um, 45-106um
CNPC-AISi7Mg	Si 6-8,Mg 0.3-0.5, Al Bal.			0-15um, 15-45um, 20-60um, 45-106um
CNPC-AISi12	Si 11-13, Al Bal.			0-15um, 15-45um, 20-60um, 45-106um

Nickel based powders	Composition (%)	O (%)	A.D.g/cm ³	Particle Size
CNPC-Inconel 718	Ni50-55,Cr17-21,Mo2.8-3.3,Nb+Ta4.75-5.5,	0.05	4.0-5.0	0-15um, 15-45um,45-106um
CNPC-Inconel 625	Cr20-23, Mo8-10			0-15um, 15-45um,45-106um
CNPC-Hastelloy X	Cr20.5-23, Mo8-10, Fe17-20			0-15um, 15-45um,45-106um
CNPC-Hastelloy C	Cr15-16.5, Mo15-17, Fe40,W3-4.5,Co1.5-2.5			0-15um, 15-45um,45-106um
CNPC-Invar36	Ni35-37,Fe Bal			0-15um, 15-45um,45-106um
CNPC-Kovar	Ni28.5-29.5, Co16.8-17.8, Fe BalCu3-5,			0-15um, 15-45um,45-106um

Cobalt based powders	Composition (%)	O (%)	A.D.g/cm ³	Particle Size
CNPC-CoCrMo	Cr26-30, Mo4-6, W4-6, Co Bal	0.05	4.0-5.5	0-15um, 15-45um,45-106um
CNPC-CoCrW	Cr26-29, W7-9, Si1.2-1.9, Co Bal			0-15um, 15-45um,45-106um

Titanium based Powders	Composition (%)	O (%)	A.D.g/cm ³	Particle Size
CNPC-TC4	Al5.5-6.5, V3.5-4.5, Ti Bal	1-1.5	0.5 - 1.0	0-15um, 15-45um,45-106um
CNPC-CPTI	Ti			0-15um, 15-45um,45-106um

Other Powders	Composition (%)	O (%)	A.D.g/cm ³	Particle Size
CNPC-Sn	Sn 99.95	0.02-0.03	3.5-4.5	0-15um, 15-45um,45-106um
CNPC-Cu	Cu 99.5	0.1	4.4-5.5	0-15um, 15-45um,45-106um, D50 1-2um
CNPC-Ni	Ni 99.8	0.05-0.1	4.4-5.5	0-15um, 15-45um,45-106um, D50 1-2um
CNPC-SWC	WC 99.9	0.1	5.2-6.5	15-45um,45-106um,106-300um
CNPC-GCUSN10	CU90SN10	0.1	4.8-5.2	0-15um, 15-45um,45-106um
CNPC-Zn	Zn 99.5	0.05-0.1	3.0-3.8	0-15um, 15-45um,45-106um
CNPC-Ag	Ag 99.9	0.2-0.3	5.0-6.5	D50 2-4um D50 1-2um D50 0.5-1um