

微細金属粉末

Fine Metal Powder

HWQ Series 超高压旋回水アトマイズ粉

Ultra High Pressure Swirl Water Atomized Powders

特長 Advantages

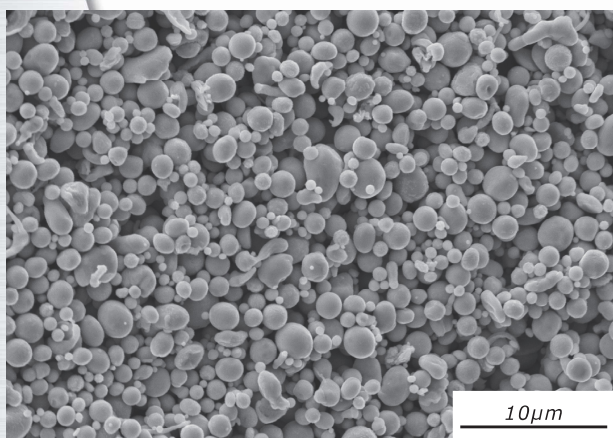
世界で初めて実用化した高圧旋回水アトマイズ法を用いて量産化された球状極微粉末。

These spherical super fine powders are mass-produced with the application of high pressure swirl water atomization, which is put into practical use for the first time in the world by us.

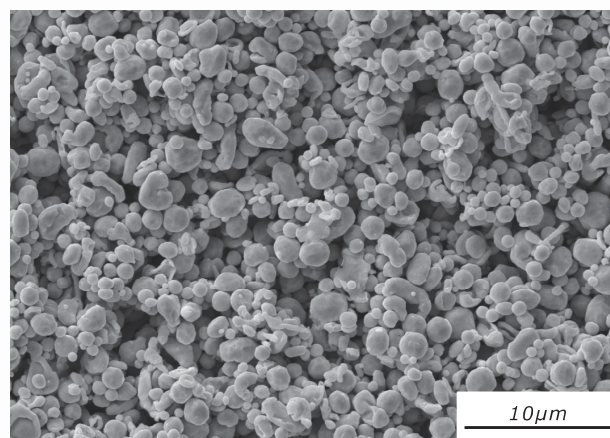
Powder Name	Grade	D50(μm)	TD (g/cm^3)	BET(cm^2/g)
Copper Powder Cu-HWQ	1.5 μm	1 ~ 2	3.0 ~ 4.0	5000 ~ 8000
	3 μm	2 ~ 4	3.0 ~ 5.0	2500 ~ 4500
	5 μm	4 ~ 6	4.0 ~ 5.5	1500 ~ 3500
	10 μm	8 ~ 12	4.0 ~ 5.5	500 ~ 2000
	20 μm	16 ~ 24	4.0 ~ 5.5	500 ~ 2000
Silver Powder Ag-HWQ	1.5 μm	1 ~ 2	3.0 ~ 4.0	5000 ~ 8000
	2.5 μm	2 ~ 3.5	3.0 ~ 5.0	2500 ~ 4500
	5 μm	4 ~ 6	4.0 ~ 5.5	1500 ~ 3500

D50: メジアン径、TD : タップ密度、BET : BET 比表面積

D50: Median Diameter, TD: Tap density, BET: Specific surface area by BET method



Cu-HWQ 1.5 μm (SEM image $\times 100$)



Ag-HWQ 1.5 μm (SEM image $\times 100$)



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FUKUDA METAL FOIL & POWDER CO.,LT D.
福田金属箔粉工業株式会社



福田金属箔粉工業株式会社 HP



HWQ 製品紹介 HP