

ALD Vacuum Technologies

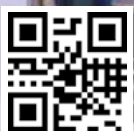
High Tech is our Business

EIGA*ultra*

Electrode Induction Melting Gas Atomization



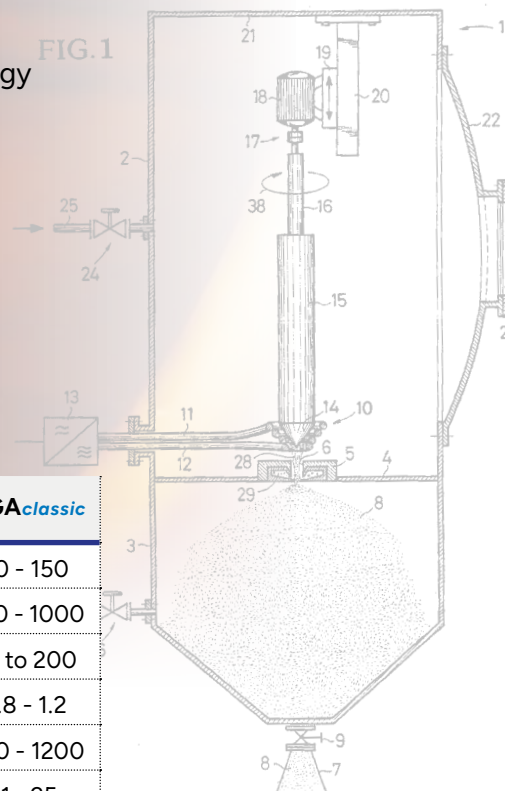
Since 1991:
Standard for Ceramic-Free
Metal Powder Production



www.ald-vt.com

EIGA patented by ALD in 1991: Ceramic-Free Metal Powder Production

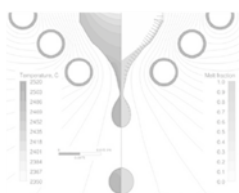
- ▶ Entirely upgraded EIGA system with new atomization technology
- ▶ Improved controllability of powder particle size increases usable powder yields & fractions
- ▶ Significantly reduced inert gas consumption
- ▶ Significantly lower conversion costs
- ▶ Useful for producing Ti, Zr, Nb, Ta high-melting point refractory powder & traditional VIGA powder



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TYPICAL PERFORMANCE DATA RANGES*		EIGA ^{ultra}	EIGA ^{classic}
Electrode ranges, diameter	[mm]	50 - 150	50 - 150
Electrode ranges, length	[mm]	500 - 1000	500 - 1000
Melting power	[kW]	up to 200	up to 200
Metal flow rate	[kg/min]	0.8 - 1.2	0.8 - 1.2
Gas flow	[Nm ³ /hr]	100 - 600	800 - 1200
Specific gas consumption	[Nm ³ /kg]	1 - 11	11 - 25
d ₅₀ value as-atomized	[μm]	20 - 90	60 - 120

*Based on Ti6Al4V



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