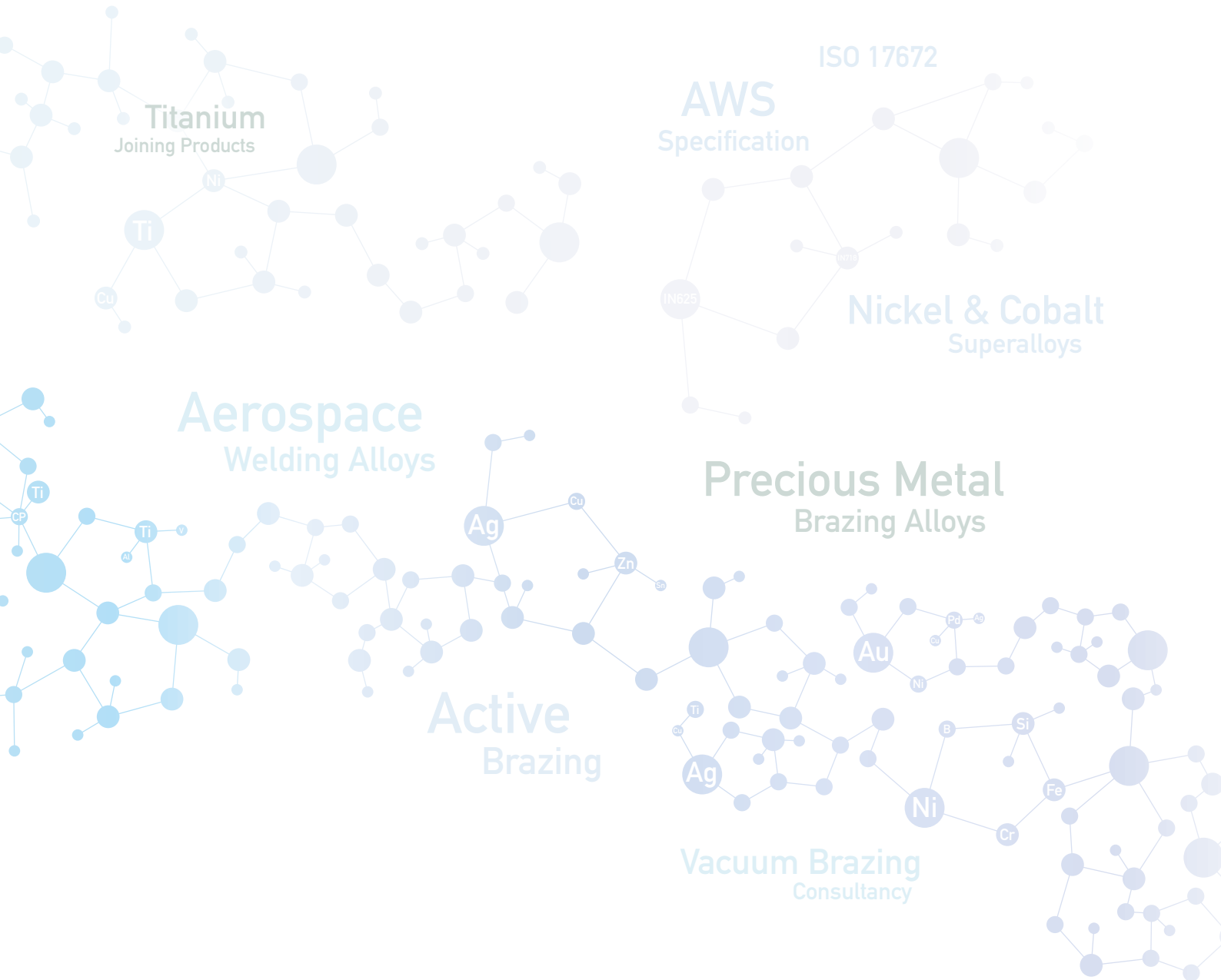


VBC Add-itive

Additive Manufacturing Product Line



vbcgroup



Additive Manufacturing Products

3 Alloy Wires for AM Applications

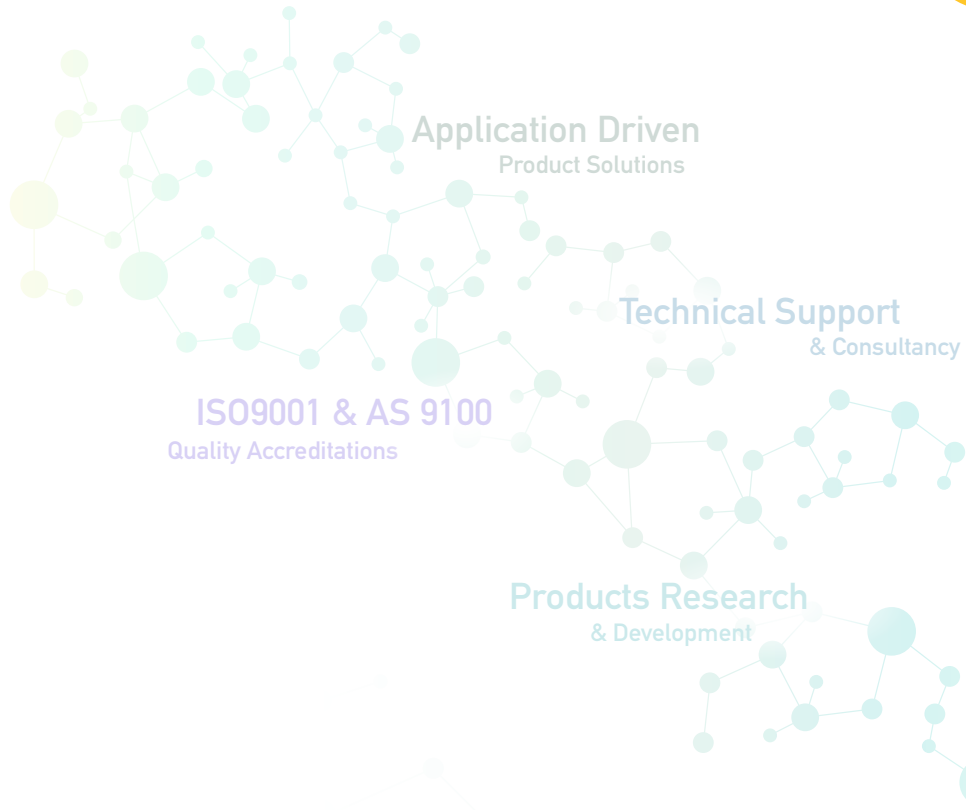
Key Products

Product Features

4 Spherical Powders for AM Applications

Key Products

Product Features



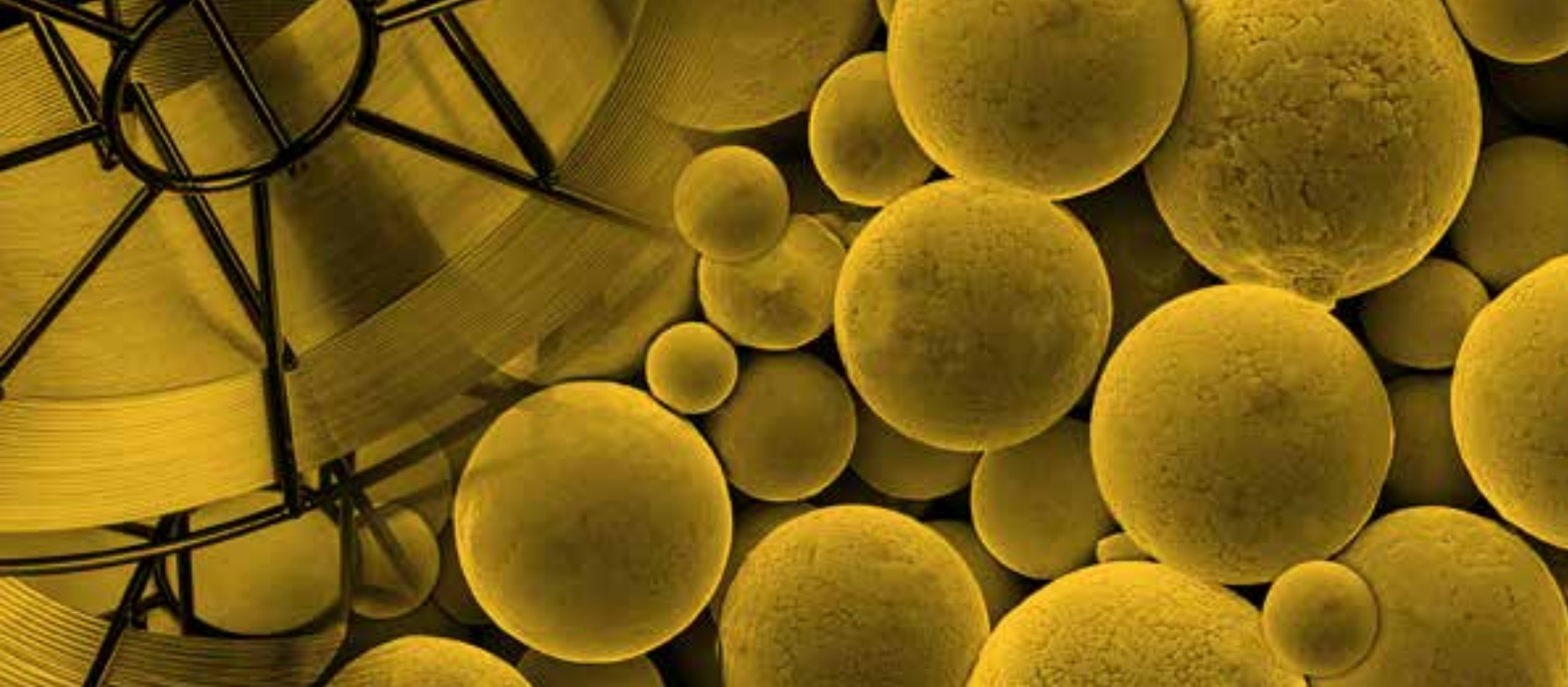
Additive Manufacturing Products

VBC Group supplies products that are suitable for the growing number of wire Additive Layer Manufacturing (ALM) processes including Wire Arc Additive Manufacturing (WAAM), Laser Metal Deposition-wire (LMD-w), Wire Electron Beam Additive Manufacturing (WEBAM), Electron Beam Melting (EBM) and Electron Beam Direct Manufacturing, (EBDM). VBC are able to provide precision ultra-pure wires for these advanced manufacturing processes. Products are supplied layer wound and suitable for ALM applications.

Alloy Wires for AM Applications



Key Products	Aluminium Alloys	Alloys include 1000 - 7000 series, such as: 1100, 2319, 3103, 4043, 4145, R357, 5356, 7050
	Titanium Alloys	CP Ti, Ti 6Al-4V Grade 5 & Grade 23. Other special titanium Wires on request
	Nickel Alloys	Nickel super alloy wires available include IN 718, IN 625, HX, NC80/20. Other nickel alloys on request
	Stainless Steel	Stainless steel alloys including 3-series and 4-series stainless steel, 18-8Nb, 17-4PH and heat resistant stainless steels
	Other Alloy Wires	Specialised wires available on request
Product Features	Wire supplied on Spools	Layer winding available



VBC Group supplies spherical metal powders for Additive Layer Manufacturing (ALM) processes. Powders are principally manufactured by Plasma Atomisation (Tekna Powders), plasma spheroidization (Tekna) and gas atomisation.



Spherical Powders for AM Applications

Key Products	Aluminium Alloys	Tekna plasma atomised AlSi10Mg, AlSi7Mg powder Other alloys include: 1100, 2024, 6061, 7075, 7050
	Titanium Alloys	Tekna plasma atomised Cp-Ti, Ti 6Al-4V Gr5 & Gr23 powder Other titanium alloys on request including Ni-Ti
	Nickel Alloys	Spherical gas atomised IN 718, IN 625, HX powder Other nickel super alloy powders available on request
	Refractory Powders	Tekna plasma spheroidized tungsten and tantalum powder Molybdenum and niobium powders
	Other AM Alloys	Stainless steel powders Copper and copper alloy powder, CoCr

VBC Group distribute Tekna Powders in the UK and Republic of Ireland

Product Features	105/45µm	63/20µm	53/20µm	45/15µm	25/5µm
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Nickel Brazing

Aluminium Brazing & Weld Alloys

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Braze Pastes

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