

Aubert & Duval and OxMet Technologies announce new licensing partnership for the production of high-strength and high temperature nickel metal powders for additive manufacturing

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Oxford

Aubert & Duval, a subsidiary of Eramet Group's Alloys division, and OxMet Technologies, a UK-based alloy development company, have entered into a partnership agreement for the production and distribution of OxMet's ABD[®]-XAM range of high-strength and high temperature printable nickel base powders for additive manufacturing.

The powder range, which currently consists of high-strength and high-temperature printable nickel alloys ABD[®]-850AM and ABD[®]-900AM, has been designed specifically for the additive manufacturing process. The new alloys can be printed crack-free with a wide processing window and exhibit high strength up to 900°C. This is a significant performance improvement over conventional alloys, where there is a trade-off between strength and printability.

Aubert & Duval has decades of experience in the development and production of metal powders in particular for additive manufacturing. The addition of the ABD[®]-XAM alloys to the company's Pearl[®] Micro powder portfolio will enable its global customer base to additively manufacture complex high-temperature parts for aviation and industrial gas-turbines, space, motorsport applications.



Olivier Dubois, VP Business Line Powders for Additive at Aubert & Duval, said: 'Additive manufacturing is a unique and innovative process, and to unlock its true potential, new materials are required. With this partnership, Aubert & Duval brings to the market two new high-performance alloys designed for additive manufacturing. We are excited to see what they will create.'

Michael Holmes, OxMet's CEO, said: 'OxMet has seen significant industry interest in its ABD[®]-XAM range of alloys, and this partnership with Aubert & Duval will enable us to meet the growing demand for alloy powder. We are proud to be working with such a well-respected leader in the powder manufacturing industry.'

www.aubertduval.com

www.oxmet-technologies.com/abd-xam