**Cookson Industrial to Showcase the Potential for Precious Metal Additive Manufacturing at Southern Manufacturing**

Cookson Industrial aims to showcase how UK subcontractors can unlock the potential of precious metals in advanced manufacturing applications at Southern Manufacturing & Electronics Show 2025 (4-6 February 2025).

The stand (A315) will include a range of example components produced using precious metal additive manufacturing (AM), as well as samples of the company’s gas atomised precious metal powders, industrial precious metal refining, and semi-finished capabilities. The use of precious metals in these areas offers subcontractors a new frontier for material performance in extreme environments, where traditional alloys have failed to meet the thermal and material application challenges presented.

Part of HM Precious Metals, Cookson Industrial aims to help organisations looking to explore the use of precious metals in industrial applications to de-risk their development, simplify their supply chains, and shorten time to market.

Aerospace is a key growth area for Cookson Industrial, where the company is helping deliver new satellite thruster designs to help decrease the weight of components and reduce the volume of hazardous materials such as hydrazine which are traditionally used in the manufacture of chemical thrusters.

Cookson Industrial’s state-of-the-art additive manufacturing facility is located in Birmingham. This currently comprises EOS Precious M 080 and M 100 AM machines, alongside a Renishaw AM 500S Flex single laser AM machine.

The company’s cutting-edge precious metal AM solutions offer a gateway to quality and innovation in the realm of 3D printing, a service which has seen increasing demand within the industry. Visitors to Southern Manufacturing & Electronics Show are invited to see what Cookson Industrial can offer by speaking to its expert team and exploring AM printed pieces such as lattice structures – highlighting the complex designs the company can produce.

Nikesh Patel, Head of Cookson Industrial, comments: “The Southern Manufacturing & Electronics Show is a fantastic opportunity for us to showcase our new products to the UK’s subcontract manufacturing base, especially given their role in the country’s burgeoning aerospace industry.

“Previously, the use of precious metals in manufacturing has largely been confined to jewellery and luxury lifestyle applications. We are pushing to redefine precious metals for AM and visiting us at the show will clearly demonstrate the leaps and bounds we have made towards exploring its potential for use in performance-critical manufacturing applications.”

*For more information on precious metal AM at Cookson Industrial, visit:* [*www.cookson-industrial.com*](http://www.cookson-industrial.com)*.*

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