

## PRESS RELEASE

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### **Morgan Advanced Materials develops customised crucibles and foundry products for demanding melting applications**

A global specialist in crucible and foundry solutions has developed new extra-large crucibles for aluminium casters, to hold very high volumes of molten metal.

The Molten Metal Systems (MMS) business of Morgan Advanced Materials has successfully developed extra-large ISO-pressed crucibles, with a capacity to hold up to three metric tonnes of molten metal. Morgan can also enhance crucible sizes to hold between six and ten metric tonnes of molten metals for specific melting requirements. This development has been made possible using one of the world's largest Cold Iso-static Presses (CIP) and more than a century of expertise in material science and application engineering.

A similar breakthrough has been made with Heat Treatment Containers (HTCs), with Morgan having successfully developed new customised HTCs for specific high temperature sintering applications. By evolving its capability to produce HTCs according to individual design requirements, Morgan is providing multiple benefits to customers including longer container lifecycles, improved productivity, and fewer rejections. Customised containers can also bring energy savings made possible through reduced kiln temperature settings.

Mirco Pavoni, Global Technology Director, Molten Metal Systems at Morgan Advanced Materials, says that the company's enhanced range of crucibles and HTCs is already being well received by the global market.

He commented: "The development of our latest crucibles and foundry products is a result of more than 100 years of experience in non-ferrous metal melting and holding applications. Using the knowledge and experience within this business, we are uniquely positioned to engineer high performance raw material mixes, which result in excellent heat transfer and high erosion resistance properties, with considerably enhanced dimensional capabilities. This enables us to react very quickly to market changes, allowing us to continue to create value for

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our customers through superior material science, advanced application engineering, and a thorough understanding of customer needs.”

For further information, please visit: <http://www.morganmms.com/AdvancedCrucibles>

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## **About Morgan Advanced Materials**

Morgan Advanced Materials is a global materials engineering company which designs and manufactures a wide range of high specification products with extraordinary properties, across multiple sectors and geographies.

From an extensive range of advanced materials we produce components, assemblies and systems that deliver significantly enhanced performance for our customers’ products and processes. Our engineered solutions are produced to very high tolerances and many are designed for use in extreme environments.

The Company thrives on breakthrough innovation. Our materials scientists and applications engineers work in close collaboration with customers to create outstanding, highly differentiated products that perform more efficiently, more reliably and for longer.

Morgan Advanced Materials has a global presence with over 10,000 employees across 50 countries serving specialist markets in the energy, transport, healthcare, electronics, petrochemical and industrial sectors. It is listed on the London Stock Exchange in the engineering sector.

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