



Press Release For Immediate Distribution

SinterCast displays Compacted Graphite Iron technology at GIFA world foundry trade fair







The SinterCast technology on display in Hall 10, Stand F60

[Düsseldorf, 16 June 2015] – SinterCast has taken the opportunity of the GIFA world foundry trade fair, held every four years in Düsseldorf, to display its industry leading Compacted Graphite Iron (CGI) process control technology and to promote the benefits of CGI. Representing 42 installations in 12 countries, the technology display presents foundry solutions for all levels of CGI production, including the Mini-System 3000 for prototyping and niche volume production; the System 3000 with SinterCast's patented feedforward optimisation of magnesium and inoculant prior to casting; and, the fully automated System 3000 *Plus* that additionally incorporates automatic feedback control of the base treatment process.

The SinterCast technology display promotes the use of CGI in a variety of components including exhaust manifolds and turbocharger housings, passenger vehicle cylinder blocks and commercial vehicle cylinder blocks and heads, with casting weights ranging from 5 kg to 300 kg. Prominent among the cylinder blocks on display is the world's first high volume CGI petrol engine cylinder block, the Ford 2.7 litre V6 EcoBoost, establishing a new benchmark for CGI in petrol applications. The display also includes a direct comparison between the Audi 3.0 litre V6 CGI cylinder block and the Mercedes 3.0 litre V6 aluminium cylinder block, highlighting that the assembled Compacted Graphite Iron engine is 125 mm shorter and weighs 15 kg less than the aluminium engine.

"GIFA provides an excellent opportunity to showcase our process control technology, to promote our material, and to host our current and potential customers from around the world" said Dr Steve Dawson, President & CEO, SinterCast. "With series production that has increased by more than 50% since the last GIFA, we are excited to present the accuracy, reliability and robustness of our control technology and to provoke the debate about lightweight engine technology. The cast iron foundry industry embraces and appreciates SinterCast as a leading voice in the campaign to convey the message that CGI engines can be smaller, lighter, stronger, quieter and less expensive than their aluminium counterparts, while providing significant life cycle energy benefits for society."

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SinterCast is the world's leading supplier of process control technology for the reliable high volume production of Compacted Graphite Iron (CGI). With at least 75% higher tensile strength, 45% higher stiffness and approximately double the fatigue strength of conventional grey cast iron and aluminium, CGI allows engine designers to improve performance, fuel economy and durability while reducing engine size, weight, noise and emissions. With 42 installations in 12 countries, the SinterCast technology is primarily used for the production of petrol and diesel engine cylinder blocks and exhaust components for passenger vehicles; medium-duty and heavy-duty cylinder blocks and heads for commercial vehicles; and, industrial power engine components for marine, rail, off-road and stationary engine applications. SinterCast's series production components range from 2 kg to 9 tonnes, all using the same proven process control technology. The SinterCast share is quoted on the Small Cap segment of the Stockholm NASDAQ OMX stock exchange (Stockholmsbörsen: SINT). For more information: www.sintercast.com

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