



FOR IMMEDIATE RELEASE

Contact: Jennifer Stanley
+1 330-372-8727
jstanley@ajaxtocco.com

November 2017

**Ajax TOCCO Sells New EMMEDI MosWeld SiC HFI Welder
on Display at Fabtech - Chicago**

Ajax TOCCO Magnethermic recently sold a new EMMEDI MosWeld SiC HFI welder which was displayed publicly for the first time at the FABTECH show in Chicago 2017. The welder will be installed in the Midwest, USA in early December.

This new SiC welder will forever change the face of HFI welding technology. Using high-current capable SiC (Silicon Carbide) transistor technology, the EMMEDI MosWeld SiC system delivers the same frequencies as former Mosfet units.

However, what sets this unit apart from other Mosfet units, is that the SiC Mosfet's only require four semiconductors versus 36 of the traditional Mosfet transistors, per 100 kW of power.

This particular 500 kW MosWeld SiC unit has 16 Mosfets versus 180 Mosfets required of traditional solid-state Mosfet HFI welders. The SiC Mosfet transistor frequency rating is 150 - 500 kHz, which is the ideal frequency for most HFI welding applications.

Previously, IGBT transistors were the only transistor with high-current capability. Their maximum frequency range of 150 kHz, as defined by the device manufacturers, is on the lower end of the ideal frequency range required for most HFI welding applications. The new Emmedi MosWeld SiC from AjaxTocco is the first HFI welder to operate at the optimum HFI welding frequency range for most HFI welding applications, with high-current capable SiC Mosfet transistors.

Ajax TOCCO Magnethermic®, a subsidiary of ParkOhio Holdings Corp.®, designs and manufactures world-class induction heating and melting equipment for various industries and applications throughout the world. In addition, the Company provides a range of services including laboratory process development, preventive maintenance, equipment repair, and parts, coil repair facilities and installation services through its locations in North America, South America, Europe and Asia. www.AjaxTocco.com



###