



## FOR IMMEDIATE RELEASE

### **Doosan Machine Tools America partners with 5ME<sup>®</sup> Cryogenics to further elevate High Performance, Sustainable Machining** Addressing real-world manufacturing challenges and leveraging the advantages of 5ME cryogenic machining technology for production applications.

June 2017 – 5ME and Doosan Machine Tools America have joined forces to showcase the advantages of cryogenic machining, including faster processing, longer tool life, increased part quality and lower environmental impact. “Cryogenic machining is particularly suited to the processing of tough materials like, Titanium, Diesel and Compacted Graphite Irons, Hardened/Stainless/Alloy Steels and Ceramic Matrix Composites”, said Mike Judge, Executive Vice President of 5ME. “As a result of this Strategic Alliance Agreement with Doosan, 5ME’s Cryogenic Machining Technology is now offered as an option across a variety of Doosan Machine Tool platforms, allowing manufacturers to address real-world production challenges.”

5ME’s unique, multi-patented cryogenic machining process is a breakthrough technology that enables higher metal removal rates and longer tool life by delivering liquid nitrogen at -321°F through the spindle/turret, cutter body, cutting tool, and directly to the cutting edge. This environmentally friendly machining technology increases throughput, part quality, tool life, and profitability, while eliminating cutting fluids and reducing energy consumption.

In Q4 2017, Doosan will sponsor an Open House at 5ME’s Cryogenic Machining Technology Center in Warren, Michigan, during which a NHP6300 4-Axis HMC equipped with 5ME Cryogenics will be cutting a variety of tough-to-machine materials commonly used throughout the Aerospace & Defense, Auto/Truck, Construction/Agriculture/Mining, Die Mold, and Energy Industries. “This partnership gives us the opportunity to show the productivity-boosting, quality-enhancing, energy-saving attributes of 5ME’s Cryogenic Machining Technology, and assist manufacturers in their quest to process the materials of tomorrow with technology that’s available today,” said Henry Kim, Director – DMTA Product Engineering.

For more information visit [www.5ME.com](http://www.5ME.com) or contact Michael Judge at [mike.judge@5ME.com](mailto:mike.judge@5ME.com), or +1 616.340.3140

### **About 5ME**

5ME brings a proven suite of capabilities to industry, solely focused on increasing customers' manufacturing efficiency as a means of building profitable, competitive and sustainable businesses. Today, that mission is more critical than ever as manufacturers are under increasing pressure from agile competitors, capacity constraints, material cost increases, and skilled labor shortages. The 5ME portfolio of Cryogenic Machining Technology and Manufacturing Efficiency Software is brand agnostic, allowing solutions to be applied to all types of machinery and manufacturing systems. For more information, visit [www.5ME.com](http://www.5ME.com).

### **About Doosan Machine Tools**

Doosan Machine Tools designs, engineers and manufactures the industry's widest breadth of CNC machine tools, including Multitasking Machines, Turning Centers, Machining Centers, Boring Mills, Gantry Mills and Automated Pallet Systems. Doosan Machine Tools supports the manufacturing communities of North, Central and South America. Doosan Machine Tools is based in Pine Brook, NJ, just outside Metro New York City, and operates technology centers in Atlanta, GA, Chicago, IL, Los Angeles, CA and Sao Paulo, Brazil. For more information, visit [www.doosanmachinetools.com](http://www.doosanmachinetools.com)

- END -

#### **CONTACT:**

Michael Judge, Executive VP  
5ME  
+1 616.340.3140  
[mike.judge@5ME.com](mailto:mike.judge@5ME.com)

Jeff Drum (Agency)  
Kemble & Drum Communications  
+1 513.871.4042  
[jdrum@kembledrum.com](mailto:jdrum@kembledrum.com)

Images below are available as hi-res versions. Please contact Jeff Drum at [jdrum@kembledrum.com](mailto:jdrum@kembledrum.com) or 513.871.4042.

FILENAME: 5ME-1314-3341635317-Outline.jpg



FILENAME: 5ME\_Cryo\_Endmill.jpg

