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FOR IMMEDIATE RELEASE

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Alpha Featured Low-Temperature Soldering and Die Attach Solutions at the 2018 International Printed Circuit & APEX South China Fair

Somerset, NJ – December 7th, 2018 – Alpha Assembly Solutions, the world leader in the production of electronic soldering and bonding materials, joined MacDermid Enthone at the 2018 International Printed Circuit & APEX South China Fair, Booth#6H31, Shenzhen, China, December 5-7, 2018.

At the show, Alpha, a part of the MacDermid Performance Solutions group of businesses, exhibited [low-temperature solder](#) which allows the customers to learn more about how low-temperature alloys can help reduce power consumption and carbon emissions in the manufacturing process. Low-temperature product technology has ability to increase production yields, reduce component warpage and also reduce board warpage.

In addition, Alpha exhibited die attach solutions which improve reliability and device performance for automotive, alternative energy, transportation, consumer electronics, telecommunications and industrial applications. Alpha's Argomax® Sinter Technology is well developed to meet and even exceed the demanding quality standards of the power semiconductor industry.

MacDermid Enthone's circuit board expertise focused this year on enabling technology trends such as the cost savings and miniaturization of MSAP and high frequency. At the show, they featured the fully expanded MacuSpec acid copper metallization portfolio, and the high performance Systek brand of specialty metallizations for IC substrates.

Both Alpha and MacDermid Enthone experts were available to discuss the latest chemical and material solutions providing process predictability and smooth scale-up at every step. These technologies are part of a suite of processing solutions that serve the electronics manufacturing supply chain at every step, from device design, through circuit board production, semiconductor metallization, component assembly, and OEM specification.

To learn more about Alpha's Low-Temperature Alloys or Die Attach Solutions, please visit the [Alpha website](#).

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About Alpha Assembly Solutions

Alpha Assembly Solutions, part of the MacDermid Performance Solutions group of businesses, is the world leader in the development, manufacturing and sales of innovative specialty materials used for electronics assembly, die attach and semiconductor packaging in a wide range of industry segments, including automotive, communications, computers, consumer, power electronics, LED lighting, photovoltaics, and others.

As the electronics industry continues to evolve, Alpha is focused on developing novel and unique processes for solving assembly challenges. Whether traditional electronics assembly, die attach or emerging applications, such as flexible and formable electronics, Alpha designs solutions for manufacturing that looks at how multiple products can interact in the same environment to provide customers with the most effective assembly solution for their application.

Since its founding in 1872, Alpha has been committed to developing and manufacturing the highest quality materials with a focus on sustainability and recycling services. For more information, visit AlphaAssembly.com.

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About MacDermid Enthone Electronics Solutions

MacDermid Enthone Electronics Solutions, a MacDermid Performance Solutions business, researches, formulates and delivers specialty chemistries used in the world's leading electronics. Our products and technical support provide solutions for the most complicated, micro scale circuitry challenges. From wireless devices to automotive and military electronics – in everything you see, and in many things you don't – MacDermid Enthone is there. Visit us at: macdermidenthone.com/electronics

