



# Connections

The Technical Manufacturing Corporation Company Newsletter for Employees, Customers, Suppliers and the Electronics Community.

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## Company Installs Heller 1707EXL Forced Convection Oven

Durham, Connecticut—May 2007—The company has announced that it has purchased a new Heller Industries 1707EXL Forced Convection Reflow Oven specifically for lead-free surface mount printed circuit board assembly. One of the most popular machines on the market today, the new convection reflow oven has seven zones, which makes it possible to achieve both

higher temperatures and resolution in solder paste reflow profiles. This offers



the ability to more accurately and precisely control process parameters which ultimately results in higher quality products. “We chose this oven over

other equipment manufacturers such as BTU due to our previous experience with Heller products” said David Bonito, Sales and Marketing Manager for the company. According to Mr. Bonito, “the machines are proven work-horses that are reliable and flexible enough to consistently meet our high-mix product demands.” For more information on this machine, please visit the press release page on our website.

## Unipoint Quality Toolkit Installed to Manage Quality Control Activities

Durham, Connecticut—December 2006—Technical Manufacturing Corporation announced this month that it has implemented the uniPoint Quality Toolkit Software system to manage all aspects of Quality Control activities in the company. The Quality Toolkit was designed for and seamlessly integrates with the Exact Alliance ERP software system current used at the company. The system automates the life-cycle of

non-conformances, corrective & preventative actions, tooling & equipment maintenance and document control to ensure that any and



all appropriate actions are always documented, implemented, maintained and are effective. The Quality Toolkit software is currently running at version 9 and represents the

latest and next generation of the system which is based upon the Microsoft .NET technology framework. The software is currently used by over 2,000 companies across the United States, Canada, Mexico, Australia and the European Union. More information concerning the benefits of the software system to the company can be found on the press release page on our website.

Connections is published periodically from the company offices in Durham. For more information on this or any of the articles in this publication, please contact us by email at sales@techmfgcorp.com, by phone at (888) TECH MFG or in writing at P.O. Box 306, Durham, Connecticut 06422.

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## AOI Capability Added to Production Process

Durham, Connecticut—November 2006—The company announced this month that it has added automatic optical inspection (AOI) to its production process for printed circuit board assemblies. The Mirtec MV-2HT AOI machine provides the ability to automatically inspect printed circuit board assemblies for component presence, absence, orientation, registration and value after population and reflow or wave soldering. The machine will also automatically



inspect solder connections including fillets and bridge detection. It is equipped with the optional high resolution telecentric camera which is supported by three different LED-based light sources including horizontal, vertical and coaxial to allow for accurate inspection of the most fine-pitch components available.

## Company Upgrades Alliance ERP Software System

Durham, Connecticut—October 2006—The company has upgraded its Alliance Enterprise Resource Planning (ERP) system to the latest version 7.1. Alliance is a dynamic and stable manufacturing system based upon the APICS MRP-II model and built upon the Microsoft .NET framework, ensuring that the company will keep pace with the changing manufacturing environment. Through several new enhancements, the system is more user-friendly and increases flexibility in all transactions. Other improvements include EDI support, serial number tracking, lot code control and accounting integration.



## Company Adds Fifth High-Speed SMT Machine

Durham, Connecticut—September 2006—The company announced the installation of a fifth Contact Systems machine at their plant to increase manufacturing capacity for the assembly of surface mount technology-based printed circuit boards. The model 3AV machine is specifically designed to quickly populate electronic components such as resistors and capacitors on printed circuit board fabrications. The printed circuit board assemblies are used in a variety of applications across various industries. In addition to the machine itself, the company acquired over 240 component feeders and four vibratory feeder bases with various lane configurations to handle different component types and sizes.

## New Website to Focus on Customer Relationships

Durham, Connecticut—September 2006—Technical Manufacturing Corporation has completely redesigned and unveiled their company website. The new website was developed in conjunction with Unifusion Web Design. According to Mr.



David Bonito, Sales & Marketing Manager for the company, the new website “was completely redesigned from the ground up with people in mind which is really what our business is about.” He noted that the new site will “emphasize how important interpersonal relationships are in determining the success of an outsourcing strategy.” The new website will prominently feature a News and Event spotlight right on the home page to inform the industry of important activities taking place at the company.



*Technical Manufacturing Corporation is a full service contract electronics manufacturer that has been supplying printed circuit board population, interconnecting wire & cable assemblies and complete box build services for prototype and small to large production volumes to various customers spanning all industries for over 20 years.*