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### Company Installs High-Speed Contact Systems 3Z Pick and Place Machine

Durham, Connecticut - October 2005 - Technical Manufacturing Corporation announced this month the installation of a Contact Systems 3Z machine at the company's plant in Durham to increase manufacturing capacity for the assembly of surface mount technology-based printed circuit boards. The new machine, which is equipped with the optional TM-10 tray module, strobe front lighting for ball grid array placement and automatic board transfer, is specifically designed to quickly populate electronic components such as resistors and capacitors on printed circuit boards fabrications that, when completed, are used in a variety of applications across various industries. The increase in overall production capacity that the machine will generate is expected to provide employment opportunities with the company as additional human resources will be required to complete the printed circuit board assembly process. The Contact Systems 3Z machine will join two Contact System 3S and one Contact Systems 3AV machines in the stable of automatic printed circuit board assembly equipment for the company.

The Contact Systems 3Z machine is built on a rugged split axis platform with independent dual heads and uses vision centering exclusively. The machine has a capacity for 100 8mm tape feeders and can operate as a stand alone or in an in-line configuration. The 3Z places a full range of components from small (0201 and above) to large fine pitch (12+ mil) devices and bottom leaded devices such as ball grid arrays. It features a vision and positioning system with the extreme accuracy required for ultra fine pitch placements, and the speed for medium to high volume production with a maximum placement rate of approximately 13,000 components per hour. Additional information and specifications on the Contact Systems 3Z machine can be found at <http://www.contactsystems.com/3Z.htm>.

### About Technical Manufacturing Corporation

Technical Manufacturing Corporation is a Connecticut-based contract electronics manufacturer that has been successfully servicing the electronics manufacturing requirements of small and Fortune 500 companies worldwide since 1985. We built a wide variety of products for our customers and which are used in many different industrial, commercial and military applications for all industries including medical, automotive, measurement and telecommunications. Visit us on the internet at [www.techmfgcorp.com](http://www.techmfgcorp.com) for more information on Technical Manufacturing Corporation and our complete line of contract electronics manufacturing services or contact David Bonito at (860) 349-1735.

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