



*For Immediate Release*

## Zentech Completes \$1.5 Million SMT Electronics Equipment Expansion

**Zentech Manufacturing, Inc.**, the mid-Atlantic regions premiere provider of electronics contract manufacturing (CM) , is proud to announce the commissioning of their newest Juki high-speed, surface mount technology (SMT) assembly line.

Baltimore, Md. October 12, 2011 Zentech Manufacturing, Inc. (<http://www.zentech.com>) has been a valued electronics contract manufacturing (CM) partner to many agencies, military primes, medical device OEM's and telecom businesses for over fourteen years. Instrumental to their continued growth and success, demonstrated by being named twice to the Inc. 500 fastest growing businesses listing, has been their ongoing investment in advanced technology equipment infrastructure to support their customer's ever-evolving requirements.

This expansion of Zentech's SMT capability utilizes Juki's newest-generation optical laser centering, high-speed surface mount technology processing line. With unparalleled device alignment and processing speeds, coupled with the capability to handle the smallest (01005) and most complex (QFP, CSP, BGA) components, this new set-up is a game changer for Zentech, their customers, and the mid-Atlantic electronics contract manufacturing market.

The Juki high-speed chip shooters (FX-3 & 2010) and Juki high-speed flexible mounters (2020 & 1080) are augmented on the front-end by the Speedline MPM Momentum Stencil Printer, providing +/-12.5 micron at 6 sigma accuracy of solder paste deposition. On the back end, the SMT process is finalized by a Vitronics Soltec XPM3i twelve zone reflow oven, chosen for its precise thermal profiling and thermal ramp-up / ramp-down control for advanced design printed circuit assemblies across a myriad of substrates . All three of Zentech's SMT processing lines are linked and managed through Juki's Intelligent Shopfloor Solution (IS). The IS brings together several related functions such as production preparation, scheduling, quality and monitoring into one comprehensive software package. Intelligent Software (IS) is a client-server architecture connecting the IS servers to clients throughout Zentech's internal network for factory wide process control.

Illustrating their level of technology commitment and ensuring a U.S. – based CM option for a key customer engagement that had existing offshore manufacturing options, Zentech made the decision to optimize this capital expenditure around their customer's advanced technology requirements. This decision raises the CM capability bar significantly in the mid-Atlantic region. Specifically, the new Juki equipment set supports an oversized (up to 22" x 24") multilayer (twenty four layers) that is .120" thick with buried capacitance, multiple controlled impedance layers and nearly 400 unique parts .This particular build requires nearly 8,000 SMT device placements and in excess of 48,000 solder joints.

According to Scott Cook, President of Methods Automation, Inc. (<http://www.methodsautomation.com>), and a recognized industry expert on surface mount line optimization and CM industry capabilities, "Zentech's strategic ultra-high feeder capacity, 100,000 plus CPH placement rate Juki equipment acquisition rivals tier one CM capabilities —capabilities that were not previously available from mid-Atlantic CM providers".

Recently featured on the front-page of the Baltimore Sun's Business section in the article "*Made (once again) in America*", participating in the re-shoring of electronics assembly to the United States is both a focus and a persistent mission for the senior management of Zentech.

Zentech's President, Matt Turpin states, "We're seeing expansion and recovery in our existing customer base and we are winning business that was previously performed overseas. Zentech is committed to supporting the re-shoring of electronics manufacturing to the United States and to creating jobs. Our \$1.5 million dollar capital expenditure, in an uncertain economic climate, provides our current and future customers with exceptional SMT quality coupled with the lower pricing provided by the tremendous throughput achieved by the new Juki line. This investment is indicative of our dedication and confidence and reflects Zentech's unyielding support of our client base and of U.S. electronics manufacturing".

*Zentech Manufacturing, Inc. (Baltimore, Md.) is an engineering driven small business, privately held and profitable, operating from a 42,000 sq. ft. facility specifically constructed for electronics contract manufacturing and employing approximately 140 highly skilled personnel. Zentech is U.S. State Department certified as an ITAR (International Trafficking in Arms) supplier, is AS9100 certified for the aerospace industry, ISO 9001:2008 certified and manufactures up to and including Class 3 for mission critical electronics.*

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