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For Immediate Release

Three Phase Linear Amplifier for Brushless Servos Eliminates Cogging & Torque Ripple

San Luis Obispo, California – May 1, 2005 – San Luis Obispo, CA – The TA320 linear three-phase servo amplifier from Trust Automation, Inc. allows motion system designers to easily integrate the latest developments in sinusoidal motor control and its benefits of zero cogging, no torque ripple, and smooth motion, into applications such as, high resolution inspection systems or metrology instruments. Also, its very low electrical noise makes it ideal for integration in or near systems that have noise sensitive circuitry, such as transducers and sensors, and medical applications. Additionally, the audible noise problems associated with PWM amplifiers are eliminated.

This versatile and powerful 700 W continuous (1400W peak) linear amplifier can be configured to accept two sinusoidal commutations separated by 120 degrees with the third phase generated by the amplifier. The TA320 amplifier can be set up to operate in trapezoidal mode using hall sensor feedback or as one, two, or three single phase amplifiers. The amplifier also features DTS control which allows the transconductance (Amps/input Volts) to be changed on-the-fly. An additional benefit is that high resolution control can be maintained without having to sacrifice power capability.

Integral forced air cooling, a housing designed to protect against operator injury, easily made connections using ribbon connectors, SMB coaxial connectors, and pluggable-terminal connectors, demonstrate Trust Automation's commitment to operator safety and ease of integration.



About Trust Automation

Since 1990, Trust Automation has provided innovative motion control products and engineering services for the needs of many industries. Our products, including stand-alone machine and motion controllers, SynqNet I/O and SynqNet Drives, Brushed and Brushless Rotary Motors and Interconnect Products, reflect quality, robust performance, and ease-of-use; a refinement attained over 15 years of enabling Original Equipment Manufacturers meet and exceed their goals.

Trust Automation's electrical, mechanical, and software engineering teams provide comprehensive engineering services and consulting to a broad range of industries including semiconductor manufacturing, medical, entertainment, automotive, and aerospace. Our in-the-field experience with leading companies in these industries gives us the opportunity to solve today's cutting edge, real world challenges, challenges that must be solved by new ideas; new ideas that Trust Automation transforms into the **Smart Solutions** of tomorrow.

Trust Automation is headquartered in beautiful San Luis Obispo, on California's Central Coast.

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