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For Immediate Release

New, Three-Phase Linear Drive Does Not Sacrifice Acceleration for Resolution!

San Luis Obispo, California – 11 April 2006 – The newest addition to the Trust Automation line of Linear Drives is the TA330 linear three-phase servo drive. It is easily configured for three-phase DC brushless servo motors using Hall Effect sensors, three-phase AC brushless motors using external sinusoidal commutation, single-phase DC brushed servo motors in bridged mode, and brushless linear motors. Its flexibility 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, “very high resolution” inspection systems, metrology instruments, and medical applications.

Additionally, the very low electrical noise of the TA330 linear drive makes it ideal for integration in or near systems that have noise sensitive circuitry, such as transducers and sensors. Also the audible noise problems associated with PWM Drives are eliminated.

This powerful 150 Volt, 900 W continuous (2700 W peak) linear drive can be configured to interface with any motion controller. Higher performance systems require a motion controller with the capability to generate the two +/- 10 VDC command signals needed for sinusoidal commutation. The third command signal is generated by the drive to maintain the highest level of precision. The TA330 Drive can be set up to operate in trapezoidal mode using Hall Effect sensors as feedback. The drive also features DTS control which allows the transconductance (torque control) to be changed on-the-fly. An additional benefit is that very high resolution control can be maintained without having to sacrifice power capability.

Additional features: The TA330 requires a 24 Volt input to power logic and bias supplies. This standard configuration allows the TA330 to operate with extremely low electrical noise. For applications which are not as sensitive to electrical noise, an internal logic and bias supply is available, eliminating the need for the external 24 VDC logic supply.

Compact, measuring just 14.9 in. (37.9 mm) X 7.7 (19.5 mm) X 4.7 (11.9 mm), the TA330 can be used with high inertia mismatched stages and low inductance motors. Integral thermally controlled variable speed 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, quiet environment, and ease of integration.

About Trust Automation

Since 1990, Trust Automation has provided motion control products and engineering services for the needs of many industries. Examples of these products and services are: Stand-alone motion and machine controllers, SynqNet I/O and SynqNet Drives, Brushed and Brushless Rotary Motors, Interconnect Products and Automation Engineering consulting covering Mechanical, Electrical, Software and System aspects of machine design. Our products reflect quality, robust performance, and ease-of-use; a refinement attained over many years of helping 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.