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For Immediate Release

New Dual Processor Spindle Controller for DC and AC Brushless Motors Provides Advanced Position Control to 30,000 RPM!

San Luis Obispo, California – 5 July 2006 – Trust Automation has introduced a new high performance single axis spindle motor controller featuring dual processor architecture that provides optimum control of high speed, high accuracy motors from 0 to 30,000 RPM with position servo control. The dual processor splits the tasks between host communications and control algorithm processing to get the highest possible performance and still have easy to use and configure software. The TA620 Spindle Controller is ideal for semiconductor processing equipment and disk drive test systems.

The Trust Automation TA620 Spindle Controller's, 100 μ sec servo update rate, high acceleration/deceleration, Trapezoidal, S-Curve, Velocity, and custom move profiles, enable the user to develop peak performance from high speed high accuracy DC Brushless or AC Brushless motors. The easy to use GUI and Scripting language software and simple 3 character programming language provide over 110 available commands for even the most demanding applications. The setup and diagnostics are via a USB 2.0 connection, and for greater flexibility, the specific parameters of multiple applications can be stored in an onboard EEPROM.

Additional features include: Dedicated I/O for Interlock; and Clamps, Eight User I/Os, four High Speed Position Capture Inputs, and Integrated Emergency Stop Circuitry. Low cost and compact, measuring just 7.0 in. wide (177.8 mm) X 6.75 in. high (171.5 mm) X 11.4 in. deep (289.6 mm), and weighing 20 lbs. (9.1kg) the TA620 Spindle Controller is designed for panel mounting.

Important performance features include position range of $\pm 2,147,483,648$ counts per move (32 bit), velocity range of $\pm 655,360,000$ counts/sec., acceleration range of $\pm 655,360,000$ counts/sec.

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.