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**For Immediate Release**

## Low Cost Motion Control at the Speed of Light!

**San Luis Obispo, California – June 27, 2005** – Fiber-optic transmission of command signals and encoder feedback in distances up to 1000 feet reduces cost and adds reliability to motion control systems. By eliminating costly copper wire harnesses that are susceptible to electrical noise, and lack flexibility, the reliability of the system is increased and performance enhanced. Designed by Trust Automation the TA821 Copper Reduction modules convert electrical encoder, hall sensor and limit signals to an optical signal and then back into electrical signals. They are ideal for: Robotics, medical applications, linear slides, machining centers, and applications in high electrical noise areas or applications that require high flexibility harnesses.

Because of their compact size (3.50 in. x 3.03 in. x 0.75 in), the lightweight TA821 transmit & receive modules can be mounted with the motor and on a linear stage. Available in 1, 2, and 4 axis modules, they accept standard signals. Signal inputs include: 5VDC Differential Encoder (A, B, Index), 5VDC Differential Hall Sensors, and 5-24VDC Home and limit sensors. The power requirement for each module is 5VDC and each unit features a Power-On Status LED. Highly flexible fiber-optic cables can also be ordered from Trust Automation.

"With the release of the TA821, Trust Automation continues its commitment to developing highly innovative and unique motion and motion control products and solutions that meet the needs of the motion industry. The TA82x line of Copper Reduction modules are another key component of our developing Advanced Motion Platforms strategy, which provides our customers highly integrated and innovative solutions," said Dave Rennie, Director of Sales & Marketing. "By providing tools to help solve today's complex mechanical and electrical challenges found in demanding motion control applications, we enable our customers to focus on their application and their own value-add.



The TA821 will release in single axis versions in limited volume in August starting at \$470 for a transmit/receive pair. Two and four axis versions will follow.

### 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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