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TOSHIBA LAUNCHES REVOLUTIONARY P9 DRIVE FOR THE PUMP INDUSTRY

Toshiba International Corporation,
February 8, 2011 – Toshiba is proud to unveil its revolutionary new adjustable speed drive for the pump industry, the P9. This new ARRA-compliant drive, with its cutting-edge capabilities, has completely optimized pumps and pump systems to dramatically reduce pressure buildup and energy consumption, thereby maximizing efficiency, energy savings, and the life of pumping equipment.

By incorporating Toshiba's proprietary, ground-breaking Virtual Linear Pump (VLP™) Technology, the P9 directly, precisely, and linearly controls pressure or flow. The P9 is user-friendly and a revolution in the industry as it eliminates many obstacles users thought were an integral part of pump control and sets a new standard in ingenuity, performance, and ease-of-use for the pump industry.



The P9 does all of the following:

- Linearizes Traditional Non-Linear Pump Curve, Providing User's System with Stable & Precise Variable Pumping Control
- Solves Problem of Load-Balancing Over Multiple Pumps, Eliminating PID Tuning
- Allows User to Configure System in Five Simple Steps, VLP Provides User with Complete Control in Only Minutes
- Self-Calibrates & Eliminates Common Pump Anomalies
- Protects Against Dead Head, Loss Of Suction Pressure, Cavitation, Thrust Bearing, Etc.
- Maximizes Energy Savings on Variable Torque Loads

Prior to the P9 and VLP, pump-speed control was cumbersome and inefficient for multi-pump systems, resulting in unbalanced flow rates, pressure buildup, excess wear-and-tear on pumping equipment, and unnecessary energy consumption. Toshiba's breakthrough VLP™ algorithm has

taken PID and made it obsolete, completely reinventing how users control pressure or flow. With this new technology, after simply inputting a few values into the P9, optimum control is attained.

Toshiba International Corporation (TIC) is a Toshiba America Inc. (TAI) Group Company, a wholly owned subsidiary of Toshiba Corporation. TIC's Industrial Division is headquartered in Houston, Texas and employs approximately 1,000 people. With an extensive product offering ranging from electric motors and adjustable speed drives to LED lighting and super-charge ion batteries, TIC provides application solutions to a wide range of industries. TIC is committed to providing the utmost in quality products and services and strives to uphold Toshiba's worldwide commitment to innovative technology, superior quality, and unmatched reliability.

TIC entered the adjustable speed drives market in 1981 and since then has steadily grown this sector of business. By following the most stringent standards, TIC's drives division has set a new benchmark in innovation, reliability, size, and safety. Today TIC produces low and medium voltage adjustable speed drives ranging from fractional to 10,000 HP and 230 to 4160 V. These drives are suitable for virtually any application and any environment.

For more information on the P9 adjustable speed drive please contact Product Manager Brian Keith by calling (800) 231-1412 x 3628 or via email at brian.keith@tic.toshiba.com. Further information on Toshiba's adjustable speed drive products may also be found by visiting www.toshiba.com/ind.