



## **KOLBENSCHMIDT PIERBURG Introduces Next Generation Electronic Throttle Control**

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DETROIT ([PRWEB](#)) March 28, 2004 --Kolbenschmidt Pierburg AG is introducing a new electronic throttle control (ETC) that is 20 percent lighter at a price of up to 20 percent lower than current models.

“Modular design, common components and a redesigned housing formed from high-pressure die-cast aluminum are the key elements to the ETC’s cost and weight savings,” said Peter Hradowy, vice president sales & engineering for Pierburg, Inc., a unit of the Pierburg GmbH division. “Through repackaging, common components and our unique modular design, we’re positioned to continue as the leader in electronic throttle control technology.”

The new ETC can handle a wide variety of engine displacements for four-, six- or eight-cylinder engines. The ETC’s unique design combines the functions of a mechanical throttle body, cruise control and idle air in a single, self-contained unit.

Hradowy noted that the use of electronic throttle control is critical in advanced drive-by-wire systems, allowing automakers to take full advantage of the precise engine performance offered by computer-controlled engine-management systems.

The new unit replaces a Kolbenschmidt Pierburg electronic throttle control currently in production in both Europe and the United States. The new model builds on the design of the company’s current model and retains the material of the housing and the metal gearbox cover. The new ETC’s double-seal design protects the unit’s electronics from moisture and dirt.

The needle bearing and DC motor of the new ETC were designed to better the competition in durability. It also has exceeded testing standards for complete submersion, temperature extremes and endurance through five million actuation cycles.

Careful attention to the design of the throttle bores provides greater accuracy and smoother acceleration, Hradowy explained. “We also achieve a more linear progression of flow in the off-idle condition. Normally, it would follow an exponential type curve.”

The new ETC will go into production in 2006 for a European automaker’s 2007 model and was first shown at the Frankfurt Auto Show last fall.

The flexible design allows the company to make changes easily for specific customer requirements. The new modular design also enables configuration with a contacting or non-contacting sensor with either single or dual output. In addition, it can accommodate a customer-specific connector.

A leading supplier of pistons, automotive oil and water pumps, electric throttle control, bearings, secondary air



systems and electric exhaust gas recirculation valves, Kolbenschmidt Pierburg has three North American units: Pierburg Inc., Karl Schmidt Unisia, Inc. and KS Bearings, Inc. -- with production facilities in Fountain Inn, S.C.; Greensburg, IN; Fort Wayne, IN; Marinette, WI, and Leamington, Ontario, in addition to its North American sales offices in Southfield.

Kolbenschmidt Pierburg AG is a subsidiary of Rheinmetall AG. The company has approximately 11,500 employees at its five automotive divisions. Global sales for its Aluminum Technology, Motor Parts, Pierburg GmbH, KS Pistons and KS Bearings divisions totaled nearly \$2.1 billion in 2003. Additional information is available on the Internet at [www.kolbenschmidt-pierburg.com](http://www.kolbenschmidt-pierburg.com).

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