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2870 Wilderness Place
Boulder, CO 80301
Phone: 303-447-1130
Fax: 303-447-1131
info@kapp-usa.com
www.kapp-usa.com

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Media Contact
Pattea Carpenter
303-630-1733
patteac@kapp-usa.com

**KAPP Group Shows KAPP KX 160 TWIN and the NEW NILES ZE 400 machines;
also wet-grinding on KAPP KX 500 FLEX via live streaming video
will be featured at 2010 IMTS.**

Two diverse machines plus a streaming video link to wet-grinding provides both a hands-on and interactive presentation of KAPP and NILES grinding machine capabilities.

BOULDER, Colo., (May 7, 2010) — The KAPP Group will be in booth [N-7036](#) at this year's International Manufacturing Technology Show (IMTS), September 13-18 in Chicago, IL showcasing the great value Kapp's new KX160 TWIN and Niles's newest ZE 400 machines and providing a direct video/audio link to their facility in Boulder, Colorado where demonstrations of wet grinding will be highlighted.

The versatile NILES ZE 400 machine is one of the KAPP Group's most successful compact and economical machines. The ZE 400 is engineered for high quality with maximum grinding torque. The stable ductile iron machine bed supports a workpiece of up to 2,650 pounds.



NILES ZE 400

The ZE machine comes fully equipped with a tailstock, CNC dressing device, and on-board measuring. The ZE machine utilizes both dressable vitrified and non-dressable CBN wheels.

The KAPP KX 160 TWIN is built on a shared modular platform with features for optimum continuous generating grinding of planetary and final drive gears for automobiles with front wheel drive or automatic transmissions. This machine includes two identical workpiece spindles, arranged at opposite sides of an indexing table. While machining one part, the second workpiece spindle simultaneously unloads / loads and aligns another part, increasing output dramatically.

External spur and helical gears of modules up to 4.5mm (5.6 NDP) with an outside diameter up to 270mm (10.6 in) can be machined on the KX 160 TWIN. The machine includes an integrated profile dressing unit for conventional dressable grinding worms. Diamond profile roll sets are used for dressing tools. Grinding worms can be dressed for the machining of the dressing-tool root as well.

KAPP KX 160 TWIN



The KX 160 TWIN features a Siemens Sinumerik 840 D machine controlling a total of ten (10) NC-axes. This includes;

- two directly driven workpiece spindles,
- the tool spindle,
- the swivel angle,
- and rotary motions necessary for grinding.

Also presented at the show will be a live streaming video from the KAPP Technologies facility in Boulder, Colorado demonstrating wet-grinding of diverse workpieces on the KAPP KX 500 FLEX machine. These interactive “lessons” were first presented at the Gear Expo 2009. A “lessons” schedule will be posted at our booth, with KAPP and NILES specialists on site to answer questions.

See KAPP tools for direct grinding and Coroning, DIA dressers for grinding and honing. A display of CBN and diamond-plated tools will be showcased as well.

Visit the Kapp Group booth [N-7036](#) at the IMTS, September 13-18 at McCormick Place in Chicago to see how to see how to apply the latest technology to drive down real cost-per-workpiece, be part of our wet grinding lessons, and meet our specialists in gear finishing and grinding solutions.

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