KAPP TECHNOLOGIES

Geared to make things move.

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

Media Contacts:
Pattea Carpenter
303-447-1130 ext. 113
patteac@kapp-usa.com

Janet Braccio
303-447-7163
jbraccio@BellaVoceCommunications.com

NILES Launches New ZP B Hybrid Machines

Using a single-machine solution for complete finishing of external spur gears, the NILES ZP B machines are exceptionally productive and cost-effective

BOULDER, Colo., (September 14, 2007) — NILES, a member of the KAPP Group, has launched the ZP B hybrid machine built to meet the highest demands of large gear grinding and designed for the complete finishing of external spur gears—including gear teeth, bores, and end faces—merging two technology machines into one and making it exceptionally productive and cost effective.

While NILES ZP machines are already used in industries where large gear grinding is required, the ZP B Series machines, which combine internal cylindrical grinding and face grinding, provide quality and economic benefits by performing all tasks in a single clamping.

Various tools can be used on the ZP B machines. Dressable ceramic tools are offered for grinding gears as well as bore and end face grinding, and non-dressable tools may be used for gear grinding. Additionally, machines come equipped with two dressing devices. For gear grinding, the machines offer a CNC dressing unit for the profiling of corundum and sintered corundum grinding wheels. Via the machine control and controlled axis, arbitrary profiles may be generated. A second dresser is used for bore and face grinding. The cup grinding wheel dressing tool can dress the outer diameter and the end faces of the grinding tool.

Featured on the machine is a Siemens Sinumerik 840 D control system. An operator interface for internal cylindrical grinding and face grinding has been designed for the ZP B machine along with finish grind stock condition measuring and final inspection of the gear.

Combining gear cutting and internal cylindrical grinding is possible with the development of electrical direct drive technology. This hybrid process allows for maximum positioning accuracy in gear grinding in conjunction with fast rotation for internal cylindrical grinding. The two-column design of the ZP B produces high rigidity, yet the modular design is flexible. The second column may be fitted with additional equipment and options.

Visit KAPP booth #244 at Gear Expo in Detroit, Michigan, October 7 to 10, for a video presentation on the ZP B Machine Series and where the KAPP KX300 P machine with automation will be on display and NILES will show new progressive machining options.

About the KAPP Group

The KAPP Group offers innovative technology and systems for precision finishing of gears and profiles. KAPP products are present in the automotive, aerospace, construction and compressor industries. NILES products, with their larger application options, can be found in industry segments such as wind energy, railroad engineering, and mining. The KAPP Group operates six locations world wide, with more than 750 employees. Intensive research and development, state-of-the-art engineering and production, as well as an integrated manufacturing package of machines, tools, processes, and support, the KAPP Group offers innovative solutions for the complex challenges of today's manufacturing world.

####