

Mazak Wins *IndustryWeek* Technology of the Year Award

(FLORENCE, KY) – Mazak Corporation, a world leader in machine tool technology, has been named a winner in *IndustryWeek*'s 10th Annual Technology and Innovation Awards program. The editors cited Mazak's newest multitasking machine tool, the Integrex e1060V, which combines the turning capability of a vertical turning lathe with the milling and machining capabilities of a 5-axis machining center, as one of seven Technologies of the Year for 2002. *IndustryWeek* will profile each winning technology in its December 2002 issue and on its website, www.industryweek.com.

The Integrex e1060V offers manufacturers the opportunity to make considerable change in their manufacturing process to reduce setups, lead times, and improve throughput. Producing large complex parts that need turning and 5-axis milling and contouring usually requires a combination of vertical turning lathes, horizontal machining centers, vertical machining centers, and in some cases other peripheral equipment. The Integrex e1060V reduces the number of metalworking machines necessary to make large complex parts to a single machine. Fewer machines mean fewer tools, operators, fewer setups, less in-process inventory, and eliminating all the means necessary to move parts between machines. Parts themselves are inherently more accurate as one set of fixtures and one machine tool reduces errors and tolerance stackups due to multiple setups. The overall cycle time and corresponding lead time of the part is reduced, as work that adds no value such as multiple setups, locating tools, moving parts between machines, is eliminated. The manufacturing process becomes increasingly profitable as throughput improves using this "done-in-one" manufacturing concept.

"We are pleased with this recognition of advanced product innovation from *IndustryWeek*," says Mazak President Brian Papke. "When Mazak celebrated 80 years in

business in 1999, we envisioned a super-digital machine of the future with simultaneous 5-axis control, spindle speeds in excess of 100,000 rpm, and the ability to accomplish milling, turning, finishing, laser-hardening, and gaging all in a single setup automatically, with untended operation. The Integrex e1060V is a tangible step toward this goal.”

“Such a machine is the future for companies producing large, complex parts, and customers in over 10 countries are taking advantage of it,” he continues. “Aerospace, construction equipment, die/mold, and other manufacturers can use such multitasking equipment instead of multiple CNC lathes, vertical machining centers, horizontal machining centers, and all the necessary fixtures and material-handling equipment for moving parts between operations. Savings in capital equipment alone would be in the hundreds of millions of dollars.”

The *IndustryWeek* Technology and Innovation Awards program recognizes outstanding achievements in technology and engineering “that show great potential for redirecting business opportunities and creating new growth in the manufacturing world,” says Editor-in-Chief Patricia Panchak. Now in its 32nd year, the magazine has an audience of 200,000 subscribers.

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