



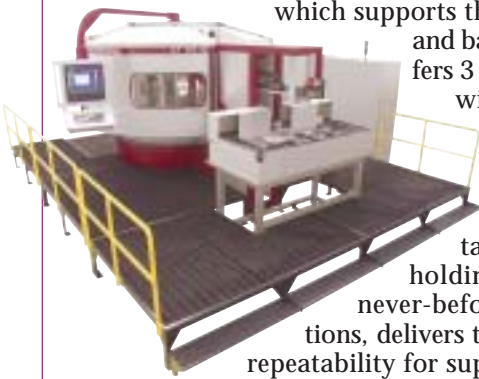
Hydromat, Inc.

11600 Adie Road
St. Louis, MO 63043

Phone: 314/432-4644
Fax: 314/432-7552
e-mail:
hydromat@hydromat.com
Internet:
www.hydromat.com

Company profile:
For more than 20 years, Hydromat has been building the industry's finest precision transfer machines at our manufacturing facility in St. Louis, Missouri. Teams of highly skilled craftsmen, in close cooperation with our customers and partners, merge Swiss precision machine elements with locally sourced components, to produce unique machining solutions. These solutions, the Hydromat machines, provide our customers with unsurpassed quality, reliability and performance.

New from Hydromat for IMTS 2002 is the Advanced Technology (AT) machine. The AT is unlike any other Hydromat. It is a state-of-the-art CNC transfer machine, designed to provide extraordinary flexibility. The AT can handle irregularly shaped parts up to a 4-inch cube. Utilizing a pallet transfer system, the AT offers up to 9 independent machining units. Each unit consists of a modular, single-piece casting which supports the pallet fixture with the servo drive and base-machining unit. Each base unit offers 3 to 5 axis CNC machining capabilities with a wide range of tooling possibilities. Each pallet fixture provides unlimited axial positioning of the workpiece and offers high-speed rotation, up to 5,000 RPM, to facilitate lathe-type operations. The workholding pallet chuck or clamping system, never-before-used in high production applications, delivers the rigidity for precise machining and repeatability for superior accuracy. A must-see at IMTS 2002.



Hydromat manufactures a variety of precision transfer machines. The rotary transfer machine is a modular system consisting of 10 to 16 horizontal and 5 to 8 vertical toolspindle units rigidly mounted around a precision cast iron ring. Square, round and hex bar stock, coil or blanks, 1/16th-inch to 2-inches and up to 6-inches long, can be fed into a rotary transfer machine.

The trunnion machine is an exceedingly versatile and flexible turnkey system. It is well suited for machining small castings, irregularly extruded bar stock parts and shafts from 1/2 inch to 12-inches in length. Eight to 16 hydraulically actuated, self-centering chuck jaws keep the workpiece stationary while the table indexes to each machining position. There, independently controlled toolspindle units perform a wide variety of operations.

Available in 12 or 16 station models, the indexing chuck machines are ideal for mid to high volume production of irregularly shaped castings or forgings. Hydraulically actuated, self-centering chucks, or custom clamping fixtures, provide precise part positioning for complex, multi-axis machining in a single clamping.

At IMTS 2000, Hydromat unveiled the Hydro-Turn (HT). A revolutionary approach in rotary transfer machining, the HT is an ultra-precise machine consisting of up to 12 horizontal and 4 vertical toolspindles married with a sliding headstock at the infeed station, permitting Swiss-type turning of rotating bar stock prior to cutoff. Superior part concentricity, ultra-precise diameter control and consistent surface finish result part after part.

