



Hydromat: Power Of Productivity – The EPIC Generation Of Precision Transfer Machining Solutions in IMTS Booth #A-8353

ST. LOUIS, MO — At IMTS 2010 Hydromat Inc. will exhibit Hydromat Rotary Transfer machines. All will feature the EPIC R/T EMC Technology the CNC technology that made Hydromat the industry leader in rotary transfer machining.

The EPIC R/T possesses all of the general characteristics of the more conventional Hydromat machines and maintains the integrity, reliability and flexibility of its predecessors. What sets this product line apart is the new technology, the acronym EMC stands for ***Embedded Motion Control***. This new control method was developed by a team of electrical engineers at Hydromat's Corporate Campus in St. Louis. This technology features special plug & play control architecture that is integrated or embedded into each toolspindle unit. The EPIC R/T allows for fully independent and programmable functionality for each axis motion, thus eliminating the use of conventional Hydromat valves and more complex CNC control components. When a toolspindle is moved from one location on the machine to another, the only change needed is to program the unit's strokes. There is no need to re-configure the machine's CNC when tool units are changed. Programming of the unit can be done off-line and downloaded from a remote location or the units can be programmed at the machine.

Hydromat has taken advantage of leading edge technology to simplify CNC hardware components in order to reduce the overall cost of CNC technology on the EPIC R/T product line. Hydromat has modified the basic machine casting concept traditionally used on its rotary transfer machines and has eliminated components originally needed to support non-CNC or partial CNC Hydromat machines. As a result, the EPIC R/T is an enhanced, full CNC product line that will be marketed and sold for less than the older CNC Hydromat machines that do not have EMC Technology. Now Hydromat can offer the productivity of rotary transfer machining, combined with all the flexibility of full CNC technology with little or no price premium.

Significant advantages and features of EPIC R/T machines are Full CNC programmability, quick and easy changeovers – typically 1-3 hours, competitive manufacturing of small, medium and large



production quantities, easy centralized programming and integrated modem connections for fast problem solving.

Each station features modular toolspindle units to provide maximum interchangeability for retooling, and easily adapted vertical flanges can be added for cross-drilling, milling and other vertical machining operations. A Quick-Change modular toolhead system speeds the set-up process and the replacement of worn tooling. An inverting station repositions the workpiece end for end to complete the machining process. The cut-off configuration on the Hydromat produces extremely short remnants, providing significant material savings compared to screw machines and single-spindle lathes.

End

For more information, contact Hydromat, Inc., 11600 Adie Road, St. Louis, MO 63043

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(Caption A) - The EPIC R/T possesses all of the general characteristics of the more conventional Hydromat machines and maintains the integrity, reliability and flexibility of its predecessors. New EMC Technology (Embedded Motion Control) features special plug & play programmable CNC control components integrated into each toolspindle unit.