

**MultiTech Machined
Components**

250 Kehoe Blvd.
Carol Stream, IL 60188
Ph: 630-784-9200
Fax: 630-784 9225
Email: sales@multitechind.com

Hydromat Rotary Transfer Technology

The Hydromat Rotary Transfer machine is a modular system consisting of horizontal and vertical tool spindles rigidly mounted around a precision cast iron ring. This arrangement provides tremendous versatility and flexibility in a turnkey machining system while eliminating secondary operations.

The stationary work piece can undergo many types of machining operations, including: drilling, cross drilling, boring, turning, milling, external and internal recessing, threading, tapping, broaching, and more. On bar fed machines the inverting unit removes the work piece from the collet, turns it 180 degrees and with great precision replaces it in the same collet, which is continuously flushed with filtered coolant.

The work piece is then cycled through the process of machining it's second side, and moments later being ejected as a complete part. The HS type machines utilize a one-time vertical chucking system with an unlimited positioning capability for machining complex features within the work envelope. A precision ground Hirth ring coupling assuring table accuracy and reliability with station-to-station repeatability within .0002".

Hydromat Technology is benefitting companies all across the globe.

- Increased Competitiveness - reduced per-piece part costs
- Improved Part Quality - providing high-precision machining combined with the elimination of multiple chuckings and secondary operations
- Material Savings - giving shorter bar end length and thinner cutoff
- More competitive manufacturing process.
- High quality, fully automated production
- SPC Quality Standards - typically meeting 1.33, 1.67, and 2.0 CpK
- Less Work-in-Process and Increased Product Throughput - resulting in minimum inventory levels and quicker capital turnover

