



NEWS & PRODUCTS

Hydromat Presetter

A new Presetter with the Quick-Set Vision System from **Hydromat Inc.** (St. Louis, MO) is an affordable, high-performance, upgradeable productivity match for Hydromat transfer machines, machining centers, horizontal boring machines, and milling and turning machines.

The presetter reduces tool-change times and production costs, while ensuring quality control by measuring, setting and verifying all tools before placement in machine. The measuring range of the Hydromat Presetter is: length Z axis - 248 mm, radius X axis - 248 mm, swivel diameter - 238 mm.

Key features include single-hand operation for linear axis movement, a 20x magnification camera system with in-screen measurement optics, and a tool-holding fixture with a power-operated clamping function, spindle brake, 4x 90 degree indexing capability and concentricity of 0.002 mm or 0.00008".

The new unit has a 12" industrial flat screen color monitor with 35x magnification and display ac-

curacy of 0.005 mm, measuring accuracy of ± 0.01 mm. It features a membrane keyboard for power-operating functions including tool clamping, separate linear axis clamping for X and Z directions, spindle brake and indexing.

The Presetter unit is also designed with a center height camera, which allows the operator to inspect and test the center height of a tool. In addition, 3rd axis inspection and measuring of tools can be accomplished with the center height camera. The Quick-Set Vision System, with presetter control software, provides automatic cutting edge detection with tool angle and tool radius measurements displayed along with tool position.

For full details on this new unit circle the number below or visit the website at www.hydromat.com