



## **For Immediate Release**

### **Mitsubishi's Innovative PC-Based Cylindrical Grinding Machine, The R230**

Addison, IL – The R230 cylindrical grinding machine from Mitsubishi combines an innovative PC-based control with manual handwheel operation for machining short runs of different workpieces, making it the best choice for introducing computerized controls to machinists with little CNC experience and a low-cost alternative to full CNC grinding.

No NC knowledge is required to operate the R230. Its easy-to-use PC-based control features an innovative "Teach & Play" function, which replaces the complex programming and tedious debugging necessary for CNC operations. By selecting the teaching mode, the R230 memorizes the handwheel movements made by the operator when creating the grinding sequence for the first workpiece in a lot. The sequence is completely documented by the R230's control and can be reviewed by the operator in order to make any edits. The grinding program is stored in the control's memory and can be accessed at any time. To grind the remaining workpieces in the lot, the playback mode is selected and the R230 automatically repeats the grinding sequence exactly as it was manually run the first time. There's no need for further handwheel operation. The PC-based control stores up to 30 grinding applications and allows 10 grinding steps per application.

The grinding wheel on the R230 has a fixed relationship with the single point diamond nib, which allows the operator to dress a form into the wheel at any point during the grinding sequence. Existing grinding canned cycles on the R230 include plunge, traverse and circular arc. Taper grinding is permissible via the swivel table which provides positioning angles from  $-1^{\circ}$  to  $+9^{\circ}$ . A 6-inch stroke tailstock is standard and a programmable locator that eliminates the need to make mechanical adjustments for variations in workpiece length and diameter is optional.

In addition, the R230 is easy to install and can be up and running the same day it's delivered. Operator manuals can be accessed on the control for additional operating assistance.

For more information on the R230 PC-based cylindrical grinding machine and the complete line of Mitsubishi Machine Tools, contact the Machine Tool Division of Mitsubishi Heavy Industries America, Inc. at (630) 693-4700 or visit us on the web at [www.mhi-mmt.com](http://www.mhi-mmt.com). Our headquarters is located at 1250 Greenbriar Drive, Suite B in Addison, Illinois, 60101.