Moore Tool has recently enhanced its tool management software for its 500 Series (19.6 in. in X-axis by 11.8 in. in Y-axis travel) and 1280 Series (52 in. in X-axis by 32.3 in. in Y-axis travel) CNC-controlled Jig Grinders. The tool management system better enables the management of dressable and non-dressable wheels. For dressable wheels, the user can now select the maximum amount of allowable wheel wear, in mm or inch, before the wheel should be changed. This is used in conjunction with the AutoSize program, a cycle for automatic sizing wheel diameter. Through the AutoSize program, the control monitors and automatically detects when the maximum amount of wheel has been dressed off or, otherwise, removed through the grinding process. This removes the manual process today of checking for wheel wear.

For non-dressable wheels, the system enables the user to set the maximum amount of time the wheel can be used before a replacement tool is required. Easy to access screens will show the user, in real time, how much time a wheel has left before it needs to be changed. These enhancements help improve the grinding process by automatically keeping track of the tool’s life.

In addition to these enhancements, the tool management system allows a user to easily update tool information (tool length, wheel diameter, wheel thickness). Once tool information is loaded, it is stored for use by the AutoSize and the Wheel Dressing programs. These programs have been enhanced for faster set up whether utilizing a Renishaw OMP400 Probe or a conventional indicating process.