

Rollomatic highlights first and only combination CNC tool grinding machine with hydrostatic rail and linear motor technology at IMTS 2020

Mundelein, April 2020. Rollomatic, a leading machine tool manufacturer based in Le Landeron, Switzerland, maintains its global leadership position by announcing to display the GrindSmart® CNC tool grinding machine model 830XW with combined hydrostatic and linear motion technology for large diameter carbide and HSS cutting tools.

It is ideally suited for increased productivity on an extended range of different high-performance cutting tools with superior surface finish and enhanced dimensional consistency with a grinding and auto-loading capacity for solid carbide tools up to 1.1/4" (32 mm). Users will be able to achieve sustained competitive advantages for production grinding of a large variety of diverse cutting tools.



- Fanuc linear drive technology. Compared to competitors use of “coreless” linear drives, the Fanuc linear motors feature reduction of heat generation. In addition, oil cooling is embedded into the drives
- Rotary axes are driven by torque motors which corresponds to a linear motors for rotary axes
- 15-station wheel changer with HSK50E arbors, tested for repetitive concentricity of less than 2 microns. Changes wheel-packs during automatic tool change without losing cycle time
- Fanuc high-speed robot for unattended production
- “Synchronous” direct-drive grinding spindle offer constant rpm with no chatter marks in flutes, as opposed to conventional “asynchronous” motors
- Total symmetry between right and left hand tools due to equal axis kinematics right and left hand
- The same incoming grinding oil is utilized for multiple uses (grinding, hydrostatic and spindle/linear motor cooling oil)
- No friction on the axes, no slip-stick, no maintenance, no wear, high damping effect
- 6-axis kinematics ensures constant grinding point on wheel for radius grinding
- Rollomatic’s new multi-pass fluting technology achieves amazingly low cycle times
- Super-sharp cutting edges superior to any standard in the grinding industry can be achieved together with latest Rollomatic-developed wheel know-how, and with linear and rotary torque motion technology

This hydrostatic model with linear drive technology has already proven itself in the field as a potentially highly popular Rollomatic model that carries the well-appreciated class, value and quality of any Rollomatic product. Rollomatic has not deviated from its strategy of building the highest quality machines based on its reputation in the field.

Rollomatic provides outstanding service/support from its North American headquarters in Mundelein, IL, and satellite offices in CA, FL, IN, MA. For more information visit: www.RollomaticUSA.com or e-mail solutions@RollomaticUSA.com.



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