

## Floor Type – WRF MILL

### METRIC



- DESIGNED SPECIFICALLY TO GET THE MAXIMUM PRODUCTIVITY OF ANGULAR HEADS AND OTHER ACCESSORIES
- MOVEABLE RAM SLIDE ALLOWS EASE OF USE AND EFFECTIVENESS
- FEATURING A MODULAR CONFIGURATION THAT WILL ALLOW A GREATER PRODUCTION VARIABILITY AND A RAPID SETUP THROUGH THE USE OF PERIPHERAL TOOLS AND ACCESSORIES
- AN ADVANTAGE OF THIS MACHINE IS RAM TRAVEL (Z AXIS) UP TO 1,500 MM.
- HYDRAULIC CYLINDERS COMPENSATE FOR RAM DEFORMATION DUE TO GRAVITY
- WORKPIECES CAN BE CLAMPED ONTO AN ADDITIONAL ROTARY TABLE, CLAMPING PLATES OR THE COMBINATION OF BOTH

**AN EXTENSIVE RANGE OF SELECTABLE PARAMETERS COMBINED WITH A BROAD OFFERING OF OPERATING FUNCTIONS**

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| Headstock                               |        | WRF MILL  |
|---|--------|---|
|   |        | LINEAR WAY  |
| Spindle Diameter                        | mm     | Depends on accessory                                    |
| Spindle Taper                           |        | ISO 50  |
| Tool Standard *                         |        | DIN 69871, CAT 50, BT 50                                |
| Spindle RPM*                            | RPM    | 10 - 4000   |
| Spindle Motor Power (S1 / S6 - 40%)*    | kW     | 37/56   |
| Maximum Spindle Torque (S1 / S6 - 40%)* | Nm     | 1200*   |
| Ram Dimensions (with Covers)            | mm     | 400 x 500   |
| Control System                          |        |   |
| CNC Control System*                     |        | Heidenhain iTNC 530<br>Fanuc 311 Siemens<br>840D        |
| Working Ranges                          |        |   |
| Horizontal Column Travel (X-axis)*      | mm     | 2400 -28100   |
| Vertical Head Travel (Y-axis)*          | mm     | 2000, 2500, 3000, 3500, 4000, 4500,<br>5000, 5500, 6000 |
| Ram Travel (V-axis)*                    | mm     | 1500*   |
| Spindle Travel (W-axis)*                | mm     | -   |
| Operation Traverse All Axes             | mm/min | 1-10000   |
| Rapid Travel X-axis                     | mm/min | 20000   |
| Rapid Travel Y-axis                     | mm/min | 15000   |
| Rapid Travel W-axis, Z-axis             | mm/min | no W-axis, 10000  |
| Max. Axial Force X-axis, Y-axis         | kN     | 25  |
| Max. Axial Force W-axis, Z-axis         | kN     | no W-axis, 30   |
| Positioning Accuracy X,Y,Z,W            | mm     | +/- 0.01  |
| Repeatable Positioning Accuracy X,Y,Z,W | mm     | +/-0.005  |
| Automatic Tool Changer (Optional)       |        |   |
| Tool Changer Storage Capacity*          | Pc     | 20, 32, 40, 60, 90*                                     |