

## Floor Type – WRF 130, 150, 160 CNC

### INCH



- ENGAGING THE NEWEST TECHNOLOGY AND CONCEPT OF FLOOR-TYPE HORIZONTAL BORING MILLS CURRENTLY AVAILABLE

- THE POWERFUL HEADSTOCK CONSISTS OF A MOVABLE RAM SLIDE (Z-AXIS) WITH A MOVEABLE LIVE SPINDLE (W-AXIS)

- THE CNC ROTARY TABLES T25/ T40/ T50 WITH TABLE SIZES FROM 2 050 X 2 050 MM TO 3,000 X 3,000 MM, ARE MADE TO HOLD HEAVY WORKPIECES WITH WEIGHTS OF 25,000 KG 40,000 KG OR 50,000 KG.

- HEAVIER WORKPIECES CAN BE CLAMPED ON FLOOR PLATES OR SPECIALLY DESIGNED TABLES

- THE MODULAR DESIGN ALLOWS EACH MACHINE TO BE CONFIGURED TO EACH CUSTOMERS REQUIREMENTS, INCLUDING X-TRAVEL FROM 2,400 MM TO 28,100 MM, Y-AXIS TRAVEL FROM 2,000 MM TO 6,000 MM, WITH A VARIETY OF HEADSTOCKS, TABLES AND FLOOR PLATES

## WRF 130, 150, 160 CNC - INCH

Headstock		WRF 130	WRF 150	WRF 160
		LINEAR WAY	LINEAR WAY	LINEAR WAY
Spindle Diameter	in	5.12	5.9	6.3
Spindle Taper		ISO 50	ISO 50 or 60	ISO 50 or 60
Tool Standard *		DIN 69871, CAT 50, BT 50	DIN 69871, CAT 50, BT 50	DIN 69871, CAT 50, BT 50
Spindle RPM*	RPM	10 - 3100	10 - 2800	10 - 2500
Spindle Motor Power (S1 / S6 - 40%)*	HP	50/75 Heidenhain Fanuc 54/80 37/56 Siemens	80/107	80/107
Maximum Spindle Torque (S1 / S6 - 40%)*	ft.lb	1481/2242* Heidenhain Fanuc 1601/2402* 1481/2242* Siemens	1843/2455	1843/2455
Ram Dimensions (with Covers)	in	16.93 x 16.93	18.90 x 18.90	18.90 x 18.90
Control System				
CNC Control System*		Heidenhain iTNC 530 Fanuc 31I Siemens 840D	Heidenhain iTNC 530 Fanuc 31I Siemens 840D	Heidenhain iTNC 530 Fanuc 31I Siemens 840D
Working Ranges				
Horizontal Column Travel (X-axis)*	in	94.5 - 1106.3	94.5 - 1106.3	94.5 - 1106.3
Vertical Head Travel (Y-axis)*	in	78.7, 98.4, 118.1, 137.8, 157.5, 177.2, 196.8, 216.5, 236.2	78.7, 98.4, 118.1, 137.8, 157.5, 177.2, 196.8, 216.5, 236.2	78.7, 98.4, 118.1, 137.8, 157.5, 177.2, 196.8, 216.5, 236.2
Ram Travel (V-axis)*	in	35.4*	39.4*	39.4*
Spindle Travel (W-axis)*	in	28.7	39.4	39.4
Operation Traverse All Axes	in/min	0.04 - 393.7	0.04 - 393.7	0.04 - 393.7
Rapid Travel X-axis	in/min	787.4	787.4	787.4
Rapid Travel Y-axis	in/min	590.5	590.5	590.5
Rapid Travel W-axis, Z-axis	in/min	393.7	315	315
Max. Axial Force X-axis, Y-axis	lbf	5620	8992	8992
Max. Axial Force W-axis, Z-axis	lbf	6744	8992	8992
Positioning Accuracy X,Y,Z,W	in	+/- 0.0004	+/- 0.0004	+/- 0.0004
Repeatable Positioning Accuracy X,Y,Z,W	in	+/-0.0002	+/-0.0002	+/-0.0002
Automatic Tool Changer (Optional)				
Tool Changer Storage Capacity*	Pc	20, 32, 40, 60, 90*	20, 32, 40, 60, 90*	20, 32, 40, 60, 90*