

## Table Type – WRFT 130, 150, 160 CNC

### METRIC



- REPRESENTING THE NEWEST TECHNOLOGY AND CONCEPT OF LARGE HEAVY DUTY TABLE TOP HORIZONTAL BORING MILLS

- DESIGNED WITH CROSS-RIBBED COLUMN

- MODERN DESIGN ENABLES EFFICIENT PROCESSING OF LARGE AND HEAVY WORK PIECES, ENABLING HIGH PRECISION AND QUALITY OPERATION

- PROVIDES EASY MANIPULATION OF THE MACHINE AND OFFERS MANY USEFUL FUNCTIONS FOR THE USER

- HEIDENHAIN STANDARD LINEAR SCALES, THERMAL SPINDLE MONITORING SYSTEM AND AUTOMATIC RAM SLIDE DEFLECTION SYSTEM CONTRIBUTES TO HIGH DEGREE OF ACCURACY

### WRFT 130, 150, 160 CNC - METRIC

Headstock		WRFT 130	WRFT 150	WRFT 160
		LINEAR WAY	LINEAR WAY	LINEAR WAY
Spindle Diameter	mm	130	150	160
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%)*	kW	37/56 Heidenhain 40/60 Fanuc 37/56 Siemens	60/80	60/80
Maximum Spindle Torque (S1 / S6 - 40%)*	Nm	2008/3039* Heidenhain 2171/3257* Fanuc 2008/3039* Siemens	2500/3331*	2500/3331*
Ram Dimensions (with Covers)	mm	430x490	460x500	460x500
Control System				
CNC Control System*		Heidenhain iTNC 530 Fanuc 311 Siemens 840D	Heidenhain iTNC 530 Fanuc 311 Siemens 840D	Heidenhain iTNC 530 Fanuc 311 Siemens 840D
Working Ranges				
Horizontal Table Travel (X-axis)*	mm	2400 - 9500	2400 - 9500	2400 - 9500
Vertical Head Travel (Y-axis)*	mm	2000,2500,3000,3500,4000,4500,5000,5500,6000	2000,2500,3000,3500,4000,4500,5000,5500,6000	2000,2500,3000,3500,4000,4500,5000,5500,6000
Column Travel (Z-axis)*	mm	2100 - 3900	2100 - 3900	2100 - 3900
Ram Travel (V-axis)*	mm	900*	1000*	1000*
Spindle Travel (W-axis)*	mm	730	1000	1000
Operation Traverse All Axes	mm/min	1 - 10000	1 - 10000	1 - 10000
Rapid Travel X-axis	mm/min	15000*	15000*	15000*
Rapid Travel Y-axis	mm/min	15000*	15000*	15000*
Rapid Travel V-axis, W-axis, Z-axis	mm/min	10000	8000	8000
Rapid Travel B-Axis	RPM	1.8	1.8	1.8
Max. Axial Force X-axis, Y-axis	kN	25	40	40
Max. Axial Force V-axis, W-axis, Z-axis	kW	30	40	40
Positioning Accuracy X,Y,Z,W	mm	+/- 0.01	+/- 0.01	+/- 0.01
Repeatable Positioning Accuracy X,Y,Z,W	mm	+/- .005	+/- .005	+/- .005
Table				
Table Dimensions	mm	2000x2000, 200x2500, 2000x3000, 2500x2500, 2500x3000, 3000x3000	2000x2000, 200x2500, 2000x3000, 2500x2500, 2500x3000, 3000x3000	2000x2000, 200x2500, 2000x3000, 2500x2500, 2500x3000, 3000x3000
Maximum Table Load	kg	25000, 40000, 50000	25000, 40000, 50000	25000, 40000, 50000
T-slot - size	mm	28 H8	28 H8	28 H8
Automatic Tool Changer (Optional)				
Tool Changer Storage Capacity*	Pc	20, 32, 40, 60, 90*	20, 32, 40, 60, 90*	20, 32, 40, 60, 90*