

**Table Type – WFT 13 CNC & \*WFT 13R CNC**  
**INCH**



• THE MODERN EUROPEAN DESIGN OF THIS UNIVERSAL BORING AND MILLING MACHINE PROVIDE GREATER CONTROL WHEN PROCESSING LARGE AND HEAVY WORKPIECES WITH GREATER PRECISION AND HIGH QUALITY

• 5.1" SPINDLE

• FEATURING A POWERFUL HEADSTOCK, HIGH AXIAL FORCES AND THE MOST PRECISE TABLE IN ITS CATEGORY

\* WFT 13R OFFERS (X, Y, Z, V, W AND B). A FULL SERVO CONTROLLED ROTARY TABLE OPTION ALLOWS FOR CONTINUOUS B-AXIS ROTATION (CONTOURING) SIMULTANEOUSLY WITH X, Y, Z, V OR W AXES.

\* The optional WFT 13R offers a live ram axis

**WFT 13 CNC & WFT 13R CNC - INCH**

Headstock	WFT 13		WFT 13R	
		BOX WAY		BOX WAY
Spindle Diameter	in	5.12		130
Spindle Taper		ISO 50		ISO 50
Tool Standard *		DIN 69871, CAT 50, BT 50		DIN 69871, CAT 50, BT 50
Spindle RPM*	RPM	10 - 3100		10 - 3100
Spindle Motor Power (S1 / S6 - 40%)*	HP	50/75 Heidenhain Fanuc 37/56 Seimens	54/80 37/56	37/56 Heidenhain 40/60 Fanuc
Maximum Spindle Torque (S1 / S6 - 40%)*	ft.lb	1481/2242* Heidenhain Fanuc 1481/2242* Siemens	1601/2402* 1601/2402*	2008/3039* Heidenhain Fanuc 2008/3039* Siemens
Ram Dimensions (with Covers)	in	15.75 x 18.30		400x465
<b>Control System</b>				
CNC Control System*		Heidenhain iTNC 530 Fanuc 311	Siemens	Heidenhain iTNC 530 Fanuc 311
<b>Working Ranges</b>				
Horizontal Table Travel (X-axis)*	in	59.1, 78.7, 98.4, 118.1, 137.8, 157.5, 177.2, 196.8		1500,2000,2500,3000,3500,4000,4500, 5000
Vertical Head Travel (Y-axis)*	in	66.9, 78.7, 98.4, 118.1, 137.8		1700,2000,2500,3000,3500
Column Travel (Z-axis)*	in	47.2, 66.9 for Y-axis from 66.9 to 98.4 in 59.0, 78.7, for Y-axis 118.1 and 137.8		1500, 2000, 2500, 3000
Ram Travel (V-axis)*	in	-		600
Spindle Travel (W-axis)*	in	28.7		730
Operation Traverse All Axes	in/min	0.04 -315		1 - 8000
Rapid Travel X-axis	in/min	472.4		12000
Rapid Travel Y-axis	in/min	472.4		12000
Rapid Travel V-axis, W-axis, Z-axis	in/min	no V-axis, 393.7, 393.7		no V-axis, 10000, 10000
Rapid Travel B-Axis	RPM	2		2
Max. Axial Force X-axis, Y-axis	lbf	4496		20
Max. Axial Force V-axis, W-axis, Z-axis	lbf	no V-axis, 6744, 6744		no V-axis, 30,30
Positioning Accuracy X,Y,Z,W	in	+/- 0.0004		+/- 0.01
Repeatable Positioning Accuracy X,Y,Z,W	in	+/-0.0002		+/- .005
<b>Table</b>				
Table Dimensions	in	63.00x70.87, 70.87x86.61, or 78.74x94.50		1600x1800, 1800x2200, or 2000x2400
Maximum Table Load	lb	33069 or 44092		15000 or 20000
T-slot - size	in	22 H8		22 H8
<b>Automatic Tool Changer (Optional)</b>				
Tool Changer Storage Capacity*	Pc	20, 32, 40*		20, 32, 40*