

# MACHINE SPECIFICATIONS

## FG-220



TUBE Specifications		4.0kW
Material Shape		Round, square and other pipe shapes. Structural material such as H, I and L beams.
Maximum Workpiece Length	<i>Loading</i>	320 in (optional 486)
	<i>Unloading</i>	314 in (optional 480)
Maximum Material Diameter	<i>Round</i>	8.66 in
	<i>Square</i>	6.00 in
Maximum Workpiece Weight/Piece		794 lbs
Stroke	<i>X chuck left/right</i>	356.50 in
	<i>U chuck left/right</i>	353.90 in
	<i>V chuck left/right</i>	91.14 in
	<i>Y head back/forth</i>	38.78 in
	<i>Z head up/down</i>	15.75 in
	<i>A head rotation</i>	± 99,999.999 degrees
	<i>B head swing</i>	± 135 degrees
Height of Chuck Center		37.40 in
Maximum Material Thickness *	<i>Mild Steel</i>	0.875 in
	<i>Stainless Steel</i>	0.375 in
	<i>Aluminum</i>	0.375 in
Rapid Travel Speed	<i>X, U, V axis</i>	3,937 ipm
	<i>Y axis</i>	1,417 ipm
	<i>Z axis</i>	1,181 ipm
	<i>A, B axis</i>	9,600 degrees/min
	<i>C axis</i>	20,000 degrees/min
Total Electrical Requirement		70.9 kVA
Installation Dimensions	<i>W x D</i>	850 in x 300 in
Machine Unit Dimensions	<i>W x D x H</i>	846.7 in x 298.1 in x 107.6 in
Machine Unit Weight		46,143 lbs
CNC Type		Mazak FX
CPU		64 bit
Display Screen		15 in Color LCD
Number of Control Axes		32
Position Detection System		Encoder
Minimum Command Unit		0.0001 in
Program Input System		EIA/ISO

\* Material cutting thickness is dependent on many factors including material specifications, condition and machine parameters. All specifications are subject to change.