

# MACHINE SPECIFICATIONS

## FG-220 DDL



| 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 lb   |
| 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.