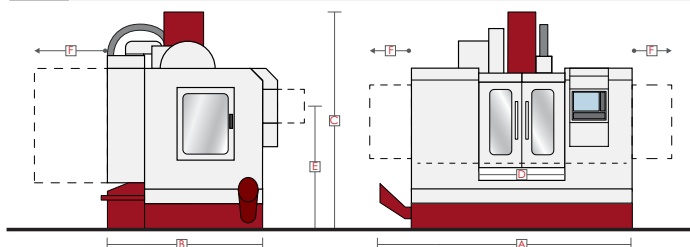


|                  | SX SERIES SPECIFICATIONS            | SX-45                                         | SX-60              | SX-80              |
|------------------|-------------------------------------|-----------------------------------------------|--------------------|--------------------|
| MACHINE CAPACITY | X Travel                            | 45"                                           | 60"                | 80"                |
|                  | Y Travel                            | 25"                                           | 30"                | 35"                |
|                  | Z Travel                            | 25"                                           | 35"                | 34"                |
|                  | B Travel                            | +/- 110°                                      | +/- 110°           | +/- 110°           |
|                  | C Travel                            | +/- 360°                                      | +/- 360°           | +/- 360°           |
|                  | Table Load (Evenly Distributed)     | 5,500 lbs.                                    | 7,500 lbs.         | 10,000 lbs.        |
|                  | Machine Table Size                  | 24" x 51"                                     | 24" x 67"          | 30" x 93"          |
|                  | Built-in Rotary Table Size          | 24"                                           | 24"                | 30"                |
|                  | Way Type                            | Roller Type Linear                            |                    |                    |
|                  | T-Slots (No./Width)                 | 5 / 0.709"                                    |                    |                    |
| SPINDLE          | Table Top to Floor                  | 35"                                           |                    |                    |
|                  | Motor HP (Peak)                     | 40.0 HP                                       |                    |                    |
|                  | Spindle Speed (RPM)                 | 100 - 18,000 RPM                              |                    |                    |
|                  | Spindle Torque (max)                | 85 ft/lbs. @ 850 RPM                          |                    |                    |
|                  | Tool Type/Taper                     | BIG PLUS CAT-40 (BT-40, HSK-63)               |                    |                    |
|                  | Spindle Nose to Center of Rotation  | 11"                                           |                    |                    |
|                  | Spindle Nose to Table               | 29" - 4"                                      | 37" - 2"           | 36" - 2"           |
| ATC              | Spindle Center to Column            | 26"                                           | 31"                | 36"                |
|                  | Tool Storage Capacity               | 40-Station Arm Type                           |                    |                    |
|                  | Tool Change Time                    | 3 Seconds                                     |                    |                    |
|                  | Max. Tool Diameter (full)           | 3.2"                                          |                    |                    |
|                  | Max. Tool Diameter (adjacent empty) | 5.9"                                          |                    |                    |
|                  | Max. Tool Weight                    | 15 lbs.                                       |                    |                    |
| PERFORMANCE      | Max. Tool Length                    | 13"                                           |                    |                    |
|                  | Positioning Accuracy X, Y, Z        | +/- 0.0002"                                   |                    |                    |
|                  | Positioning Repeatability X, Y, Z   | +/- 0.0001"                                   |                    |                    |
|                  | Positioning Accuracy B, C           | 15 Seconds (5 Seconds)                        |                    |                    |
|                  | Position Repeatability B, C         | 5 Seconds (2 Seconds)                         |                    |                    |
|                  | Axis Rapid Traverse                 | 1,200 IPM X, Y 1,000 IPM Z                    |                    |                    |
|                  | Rotary Rapid Traverse               | "B" Axis - 33 RPM "C" Axis - 22 RPM           |                    |                    |
|                  | Cutting Feed Rate                   | 0.001 - 900 IPM                               |                    |                    |
|                  | Servo Type                          | AC Digital Brushless                          |                    |                    |
|                  | Axis Thrust (Peak)                  | 4,955 lbs. X, Y 6,193 lbs. Z                  |                    |                    |
| GENERAL INFO     | Air Pressure Requirements           | 90 PSI 5 CFM                                  |                    |                    |
|                  | Coolant Capacity                    | 100 Gallons                                   |                    |                    |
|                  | Coolant Flow                        | 9 GPM                                         |                    |                    |
|                  | Door Open Width                     | 45"                                           | 62"                | 81"                |
|                  | Power Requirements                  | 80 AMP 430-500 VAC 3 PHASE (220 VAC optional) |                    |                    |
|                  | Shipping Dimensions* (WxDxH)        | 127" x 87" x 87"                              | 161" x 89" x 93"   | 110" x 94" x 95"   |
|                  | Operating Dimensions (WxDxH)        | 127" x 104" x 110"                            | 161" x 112" x 112" | 211" x 122" x 114" |
|                  | Machine Weight                      | 17,500 lbs.                                   | 21,500 lbs.        | 25,000 lbs.        |



\* Requires some disassembly to meet these minimum dimensions. Contact factory for more information.

|                              | SX-45 | SX-60 | SX-80 |
|------------------------------|-------|-------|-------|
| Floor Width (A)              | 127"  | 161"  | 211"  |
| Floor Depth (B)              | 104"  | 112"  | 122"  |
| Maximum Height (C)           | 110"  | 112"  | 114"  |
| Door Opening Width (D)       | 45"   | 62"   | 81"   |
| Floor to Console Height (E)  | 62"   | 62"   | 62"   |
| Electrical Cabinet Swing (F) | 38"   | 38"   | 38"   |

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Specifications subject to change without prior notice.