



CENTROID™

DX1 Indexing Controller



*patent pending

DX1 with RI-5C Indexer

| | |
|---------------------------------------|----------------|
| Center Height in Vertical (mm / inch) | 110 / 4.33 |
| Spindle Thread (inch) | 2.187" - 10 |
| Width of T-slot (mm / inch) | 12 / 0.47 |
| Width of Guide Block (mm / inch) | 18 / 0.71 |
| Gear Ratio | 90 : 1 |
| Max. R.P.M. (DC) | 22.2 |
| Min. Indexing Unit (deg.) | 0.001° |
| Indexing Accuracy (arc sec.) | 30 |
| Repeatability (arc sec.) | ±3 |
| Overall Dimensions H / W / L (inch) | 7" / 14" / 18" |
| Weight (kgs / lbs) | 27 / 60 |
| Operating Voltage | 110 vac |

Optional Adjustable Tailstock (ATS-1)

- Uses Standard 5C collet
- Collet Size up to 1-1/8" ID
- Manual collet closer
- Threaded spindle nose



DX1 with RT-100

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|--|----------------------|
| Table Diameter (mm / inch) | 100 / 3.9 |
| Center Height in Vertical (mm / inch) | 115 / 4.53 |
| Table Height in Horizontal (mm / inch) | 170 / 6.69 |
| Thru-hole Diameter (mm / inch) | 30 / 1.18 |
| Width of T-slot (mm / inch) | 10 / 0.39 |
| Width of Guide Block (mm / inch) | 14 / 0.55 |
| Gear Ratio | 90 : 1 |
| Max. R.P.M. (AC) | 33.3 |
| Min. Indexing Unit (deg.) | 0.001° |
| Indexing Accuracy (arc sec.) | 60 |
| Repeatability (arc sec.) | ±3 |
| Overall Dimensions H / W / L (inch) | 7.5" / 5.9" / 15.66" |
| Weight (kgs / lbs) | 28 / 62 |
| Operating Voltage | 220 vac (1 phase) |

Optional Manual Chuck (SC-4*)

Optional Manual Chuck Adapter Plate (AP-1)

Optional Fixed Tailstock (TSA-101)

- 100mm / 3.9 Inch Diameter
- Auto Home Switch
- Pneumatic Brake



DX1 with RT-150

| | |
|--|----------------------|
| Table Diameter (mm / inch) | 150 / 5.9 |
| Center Height in Vertical (mm / inch) | 135 / 5.31 |
| Table Height in Horizontal (mm / inch) | 165 / 6.5 |
| Thru-hole Diameter (mm / inch) | 35 / 1.37 |
| Width of T-slot (mm / inch) | 12 / 0.47 |
| Width of Guide Block (mm / inch) | 18 / 0.71 |
| Gear Ratio | 90 : 1 |
| Max. R.P.M. (AC) | 33.3 |
| Min. Indexing Unit (deg.) | 0.001° |
| Indexing Accuracy (arc sec.) | 25 |
| Repeatability (arc sec.) | ±3 |
| Overall Dimensions H / W / L (inch) | 11.6" / 6.4" / 18.3" |
| Weight (kgs / lbs) | 70 / 154 |
| Operating Voltage | 220 vac (1 phase) |

Optional Manual Chuck (SC-6*)

Optional Manual Chuck Adapter Plate (AP-1)

Optional Fixed Tailstock (TSA-530)

- 150mm / 5.9 Inch Diameter
- Auto Home Switch
- Pneumatic Brake



Easy to Program!

Example: **02 G91 → A90.000 → F35000 → L 10**

| LINE | CODE | ANGLE | FEEDRATE | LOOP |
|-------------------------|------|--|----------|------|
| DX1 Indexing Controller | | M26 - Set Absolute Zero | | |
| G90 - Absolute Move | | M91 - Find Home Minus | | |
| G91 - Incremental Move | | M92 - Find Home Plus | | |
| G94 - Continuous Mode | | M98 - Subprogram Call / Jump | | |
| G95 - Step Mode | | M99 - Subprogram Return/End of Program | | |

Linear or Rotary Control
Works with any CNC or Manual Machine Tool
Industry Standard G-code Programming
RS232 Programming and Control Port

* All chucks include an adapter plate.

Factory direct sales by:
Machines in Motion, Inc.
www.machinesinmotion.com
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"We answer our phone"



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