



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

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 → F35.000 → 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.



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