

MACHTOOL

CL - 100

High - Precision CNC Chucking Lathe

Salient Features

- Flat bed CNC Chucker is Specially

Designed for finish operations in

mass-produced small size

components like Bearing Races,

Textile Rings, Speed Gears, Engine

Gears and various Automobile

Components.

- Front or side loading arrangement is

possible to suit operator's convenience.

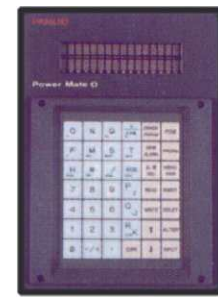
- X and Z guideways are hardened

and ground with turcite coated.

- Linear Tooling arrangement (Gang Tooling)

for rapid selection of tools.

- Rapid traverse rate of 10 M/min. for both axes.



with Fanuc Power-Mate



with Fanuc Oi-TA control



with Siemens 802-D



IDEAL FOR A WIDE VARIETY OF PRECISION TURNING APPLICATION

Specifications

Capacity

Swing over bed	: 330 mm
Swing over saddle	: 215 mm
Swing over cross slide	: 110 mm
Maximum turning diameter	: 100 mm

Spindle

Spindle nose	: A2-5
Spindle taper	: MT-5
Hole through spindle	: 42 mm
Bar diameter	: 30 mm
Spindle bearings	: Four angular contact RHP Spindle bearings. Set of Two on front (7214) and Set of two on rear (7212)

Spindle lubrication	: Greece packed for life
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Spindle Drive

Spindle Motor & Drive	: FANUC Alpha C3/C6 (3.7/5.5 kw) (only with fanuc Oi-TA Control)
	: Siemens 3.7/5.5 kw AC motor (only with siemens 802-D Control)
	: 3.7/5.5 kw High- speed induction motor with Toshiba VFS-9 AC Drive (only with Fanuc Power-mate control or with Siemens 802-D Control)

Spindle Speed	: 40 - 4000 rpm
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Bed

Slant Angle	: Flat Bed
Bed Width	: 300 mm
Guide Ways	: Hardened & Ground
Slides	: Turcite Coated

Slides

X axis travel	: 250 mm (radial)
Z axis travel	: 250 mm
X axis ball screw	: Dia. 25 mm, Pitch 10 mm (THK / HIWIN) C-3 Class

Z axis ball screw	: Dia. 25 mm, Pitch 10 mm (THK / HIWIN) C-3 Class
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X axis motor	: AC Servo 5.5 Nm
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Z axis motor	: AC Servo 5.5 Nm
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CNC System	: FANUC Oi-TA or FANUC Power-Mate OR Siemens 802-D OR as per customer requirement
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Rapid Traverse	: 10 M/min. for both axes
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Tooling Arrangement	: Linear / Gang Type OR Bi-directional BTP-63 Tool Turret OR Bi-directional BTP-50 Tool Turret
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Standard Shank Size	: 25 x 25 mm or 20 x 20 mm
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Recommended Chuck Size	: 165 mm dia. Power chuck with Hyd-cylinder (close type or hollow type) along with suitable Hydraulic Power-pack or collet chuck as per customers requirement
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Overall Dimensions

Length	: 1700 mm (approx.)
Width	: 1700 mm (approx.)
Height	: 1900 mm (approx.)
Gross Weight	: 1950 Kg (approx.)

Specifications are subject to change without prior notice.

Standard Accessories

- ▶ Coolant system
- ▶ Centralized lubrication system
- ▶ Air to Air heat exchanger
- ▶ Chip tray
- ▶ Machine lamp
- ▶ Fully enclosed chip-guard
- ▶ Standard tool holding blocks (4 nos.)
- ▶ Operation & maintenance manual (1 set)

Optional Accessories

- ▶ Power operated chuck, cylinder and Hydraulic power pack
- ▶ Electronic hand wheel
- ▶ Cabinet air conditioning unit
- ▶ Chip conveyor
- ▶ Extra tool holding blocks
- ▶ 3 Phase voltage stabilizer



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