

MACHTOOL — CL - 200

High - Precision CNC Chucking Lathe

Salient Features

Slant - Bed CNC Chucking Lathe, specially designed for high accuracy medium and large sized chucking components

Suitable for forged to finish operations in mass production of components like medium and large sized gear blanks, valve bodies, flanges, etc.

A2-5 or A2-6 Spindle with 5.5 / 7.5 kw spindle power

Linear Tooling arrangement with upto eight tool positions

Rapid Traverse Rate of 15 meters / min. for both axes

Heavy duty precision grade Linear Motion Guide ways for both axes

Spindle RPM upto 5000 rpm

Possibility of interfacing Bar Feeder with the machine

Hydraulic Collet Chuck / Standard Three Jaw Chuck



IDEAL FOR A WIDE VARIETY OF PRECISION TURNING APPLICATION

Specifications

Capacity	
Swing over bed	: 400 mm
Swing over saddle	: 400 mm
Maximum turning diameter	: 300 mm
Spindle	
Spindle type	: Cartridge type
Spindle nose	: A2-5 or A2-6
Spindle taper	: MT-5 or MT-6
Hole through spindle	: 42 or 52 mm
Spindle bearings	: Four angular contact bearings, RHP make, set of two on front (7214 / 7218) and set of two on rear (7212 / 7216)
Spindle lubrication	: Grease packed for life
Spindle RPM	: 50-5000 rpm
CNC System	
	: FANUC 0i-TB Mate with Beeta 8i, Beeta 8i and Beeta 6i Spindle (Siemens 802D or any other CNC system is optional)
Spindle motor and drive	: Fanuc - 5.5 / 7.5 kw spindle drive and motor
Bed	
Slant angle	: Slant Bed - 60 degrees
Bed width	: 400 mm
Guide-ways	: Heavy duty precision grade Linear Motion Guide-ways

Slides	
Slides	: with LM Guide-ways
X axis travel	: 400 mm (Radial)
Z axis travel	: 450 mm (from spindle face)
X axis ball screw	: 32 mm Dia. x 10 mm Pitch (PMI / HIWIN) C-3 class
Z axis ball screw	: 32 mm Dia. x 10 mm Pitch (PMI / HIWIN) C-3 class
X axis motor	: AC Servo 8 Nm / 3000 rpm
Z axis motor	: AC Servo 8 Nm / 3000 rpm
Rapid Traverse	
	: 15meters / min.
Tooling Arrangement	
	: Linear Tooling upto eight position
Standard shank size	: 25 x 25 mm or 20 x 20 mm
Recommended Chuck Size	
	: 165 / 200 mm Dia. Power chuck (Close type or Hollow type along with suitable Hydraulic and Power-Pack)
Over-all Dimensions	
Length	: 2100 mm + 1500 mm with Chip Conveyor
Width	: 1500 mm
Height	: 1700 mm
Gross weight	: 2800 kg (Appx.)

Specifications are subject to change without prior notice.

Standard Accessories

- ▶ Coolant system
- ▶ Centralized Lubrication System
- ▶ Air Circulating Blowers for Electrical Pane
- ▶ Machine Lamp
- ▶ Chip Pan
- ▶ Fully Enclosed Chip Guard
- ▶ Operation and Maintenance Manual (1 set)
- ▶ 165 / 200 mm Closed Chuck with suitable closed Hydraulic Cylinder and Power pack
- ▶ Electronic Hand Wheel
- ▶ Single Tool Block or separate 6 Tool Holder

Optional Accessories

- ▶ Sleeves of Various Sizes
- ▶ Extra Tool Holders
- ▶ Cabinet cooler
- ▶ 3 Phase Voltage Stabilizer
- ▶ Gear Box for Spindle
- ▶ Chip Conveyor
- ▶ Extra Chip Pan
- ▶ Hollow Chuck / Hollow Hydraulic Cylinder / Collet Chuck any other Holding Fixture



MACHTOOL
AUTOMATION PRIVATE LIMITED

Shivprasad - B, Left Bhusari Colony, Near Kothrud Bus Depot, Paud Road, Pune 411 038, India.

Ph.: +91-20-2528 2596 Fax : +91-20-2528 2395 E-mail : machtool@vsnl.com Website : www.machtoolindia.com