

MACHTOOL

MINI - 100 (Trainer Lathe)

High - Precision MINI CNC Turning Center

Salient Features

Most suitable for ferrous & non ferrous components upto 100mm diameter & 200mm length

Slant Bed - CNC Turning Center specially designed for high accuracy, small & miniature sized components

MT-3 Spindle with 1.5kw / 2kw spindle power

Eight position Tool Turret

Rapid Traverse Rate of 10 mtrs / min for both axes

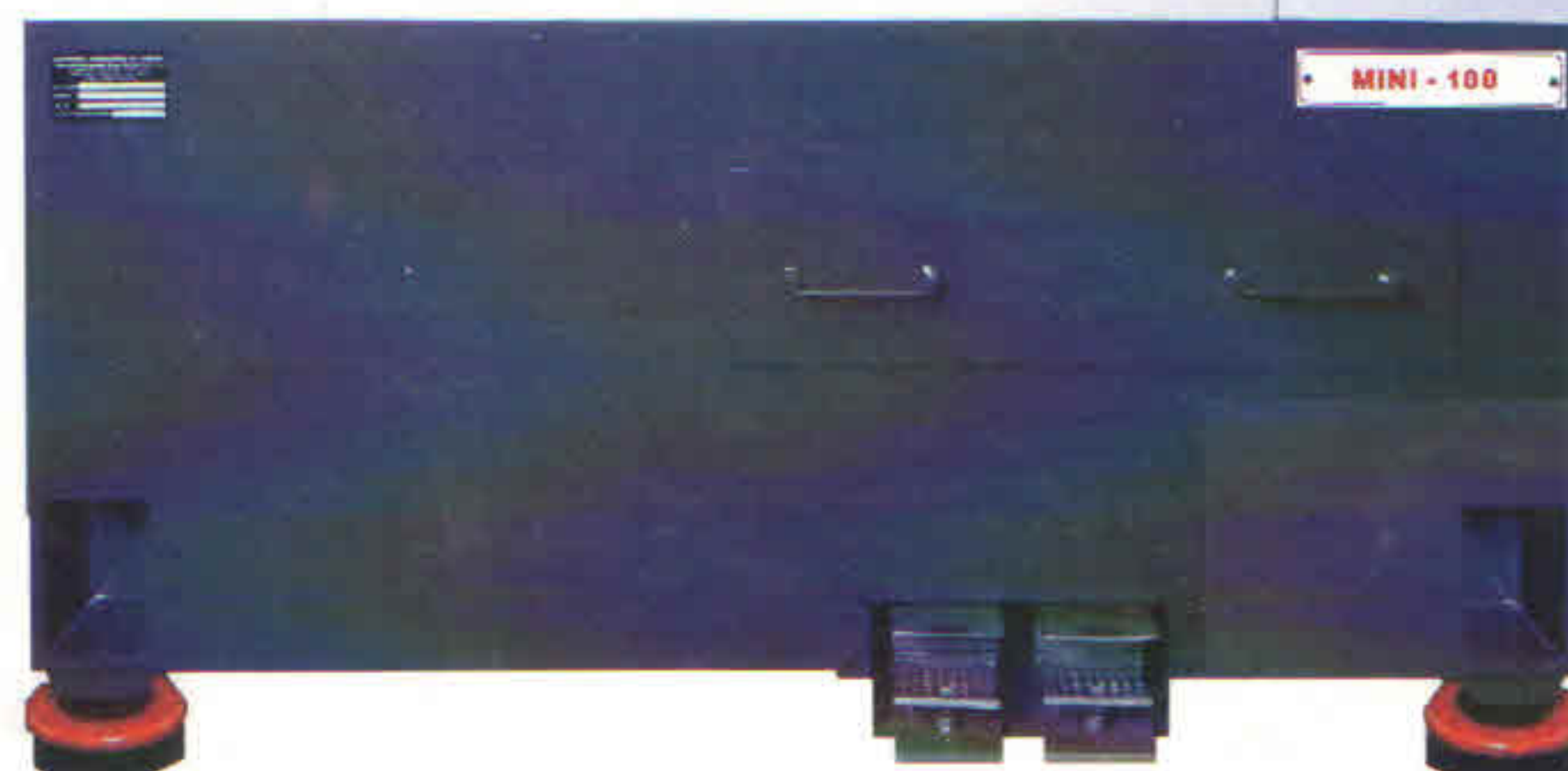
Precision grade Linear Motion Guide - ways for both axes



Fanuc 0i - M Control



Siemens 802 - D Control



IDEAL FOR A WIDE VARIETY OF PRECISION TURNING APPLICATION

Specifications

Capacity

Swing over bed	: 200 mm
Swing over saddle	: 150 mm
Admit between centres	: 200 mm
Maximum turning diameter	: 100 mm

Spindle

Spindle type	: Catridge Type
Spindle nose	: A2 - 3
Spindle taper	: MT 30
Hole through spindle	: 20 mm
Spindle bearings	: 2 + 2 Angular Contact Bearings
	150 mm
	150 mm
Spindle lubrication	: Greese packed for life
Spindle RPM	: 50 - 5000 rpm
	(Higher Spindle rpm is optional)

CNC System	: FANUC 0i - TC Mate with
	Beeta 4i motors
	(Siemens 802d or any other
	CNC System is optional)

Spindle motor and drive	: 1.5kw / 2kw Induction Motor
	with Toshiba VFD

Tail - Stock

Tail-stock stroke	: 120 mm
Quill stroke	: 60 mm
Tail-stock quill diameter	: 50 mm
Quill taper	: MT - 2

Standard Accessories

- ▶ Coolant System
- ▶ Centralised Lubrication System
- ▶ Machine Lamp
- ▶ Chip Pan
- ▶ Fully Enclosed Chip Guard
- ▶ Operation & Maintenance Manual (1Set)
- ▶ Electronic Hand Wheel
- ▶ Three Boring Holders
- ▶ One Face Grooving Holder
- ▶ Revolving Center
- ▶ Anti - vibration Mounting Pads

Optional Accessories

- ▶ Sleeves of Various Sizes
- ▶ Extra Tool Holders
- ▶ 3 Phase Voltage Stabilizer
- ▶ Extra Chip Pan
- ▶ Hollow Chuck / Hollow Hyrdraulic Cylinder
- ▶ Collet Chuck / any other holding arrangement
- ▶ Chip Conveyor
- ▶ Tool Holder Shanks / Inserts

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

Slides

Slides	: With LM Guide - ways
X axis travel	: 200 mm
Z axis travel	: 250 mm
X axis ball screw	: 20 mm diameter x 10 mm Pitch
	(PMI / HIWIN) C - 3 Class
Z axis ball screw	: 20 mm diameter x 10 mm Pitch
	: (PMI / HIWIN) C - 3 Class
X axis motor	: AC Servo, 4 Nm / 3000 rpm
Z axis motor	: AC Servo, 4 Nm / 3000 rpm
Rapid Traverse	: 10 meters / min
Tooling Arrangement	: Eight position Bi-Directional Turn
Standard shank size	: 20 mm x 20 mm / 16 mm x 16 mm
Recommended Chuck Size	: 135 mm Diameter Power Chuck
	(Closed or Hollow type along with
	suitable Hydraulic Power - Pack)

Bed

Slant angle	: 45 degrees
Bed width	: 200 mm
Guide-ways	: High Precision Grade Linear
	Motion Guide - ways

Over-all Dimensions

Length	: 1200 mm
Width	: 800 mm
Height	: 1600 mm
Gross weight	: 650 kg

Specifications are subject to change without prior notice.

