

CNC MACHINES FROM COMEEX

The Performance Speaks



ISO 9001:2000 CERTIFIED COMPANY



Comeex Machine Tools Co.

Technologically Advanced and High Precision CNC & Conventional Machine Tool Products conforming to International standards at affordable prices is our forte.

Comeex Machine Tools Co. over the three decades has built an impeccable reputation in delivering quality products backed by excellent support.

At Comeex, Customer Satisfaction always comes first.

As an established independent manufacturing unit, we specialize in Manufacturing of Sophisticated Machine Tools.

We provide a comprehensive range of CNC Vertical Machining Centers, CNC Turning Centers, CNC Trainer Milling, CNC Trainer Lathes, Drilling Machines and Special Purpose Machines.

We are a TUV certified ISO 9001:2000 company.

CNC TURNING CENTERS



CMT 200 CNC TURNER V1 CMT 200 CNC TURNER

- Rigid bed made of high quality graded cast iron and stress relieved
- Specially designed cartridge type spindle with minimum heat distortion
- Main spindle bearings lubricated and sealed for life
- AC Servo motors directly coupled to the C3 or better class ball screws
- Preloaded antifriction LM guides or hardened guide ways with Turcite coating for all sliding components for faster and more accurate positioning
- 8 or 12 station tool turret
- Automatic centralized lubrication
- Rear splash guard and sliding front chip guard door

Particulars	Unit	CMT-200 CNC TURNER	CMT-200 CNC TURNER V1	CMT-200 CNC TURNER V2	CMT-200 CNC TURNER V3
Swing over cross slide	MM	200	150	250	400
Distance between Centres (min-max.)	MM	200-600 or more	200-400 or more	200-800 or more	300-1000 or more
Bar capacity	MM	35	25	45	50
Spindle Nose	MM	A2-5	A2-4	A2-5	A2-5 / A2-6 /A2-8
Chuck size	MM	160 / 200	125	160 / 200	200 / 250
Spindle motor	KW	3.7 / 5.5	2.2 / 3.7	5.5 / 7.5	5.5 / 7.5
Tail stock Quill dia.	MM	60	50	65	75
Tail stock Quill stroke	MM	140	100	150	160
Taper in Quill	MT	MT 3 / MT 4	MT 2 / MT 3	MT 4	MT 4
Speed Range	RPM	30-4000	30-4500	30-4000	30-2200
Rapid	M/MIN	10/15			
X-Z axis Stroke	MM	150/450 & more	125 / 350 & more	175 / 475 & more	250 / 725 & more
Resolution	MM	0.001			
Turret bi-directional	NO.	8/12	8	8/12	
Tool cross section	MM	20 x 20	16 x 16	20 x 20	25 x 25
Power supply	PHASE	3 Phase / 415V/ 50Hz			
Angle of slant bed		30 to 45°			
CNC Controller		Fanuc / Siemens			

Higher capacity motor, spindle speeds, rapid traverse and accuracies can be provided to meet customers' requirements.



CMT 6040 F1 CNC V2



CMT 6040 F1 CNC

CNC VERTICAL MACHINING CENTERS

- Heavily ribbed bed made of high quality graded cast iron and stress relieved
- Specially designed Thermally symmetrical headstock for better heat dissipation
- AC Servo motors directly coupled to the C3 or better class ball screws
- Preloaded antifriction LM guides or hardened guide ways with Turcite coating for all sliding components for faster and more accurate positioning
- Absolute encoder feedback for all axes
- Automatic centralized lubrication
- Bearings lubricated and sealed for life
- Easily accessible work areas for maximum operating and service efficiency
- Fully enclosed splash guard



COMEEX CNC Machining Centers & CNC Milling Machines, Bed type, Table & Vertical Spindle with Fixed or Moving column type.

Particulars	Unit	CMT-6040 F1 CNC	CMT-6040 F1 CNC V1	CMT-6040 F1 CNC V2	CMT-6040 F1 CNC V3	CMT-6040 F1 CNC V4
Table	MM	600 x 400	400 x 300	700 x 500	1000 x 600	1200 x 825
T slots (No.xWidth xPitch)	MM	3 x 14 x 125	2 x 12 x 100	3 x 18 x 125	4 x 18 x 100	5 x 18 x 125
X,Y,Z Travel	MM	405 / 405 / 425	250 / 250 / 250	500 / 500 / 500	600 / 600 / 600	1200 / 800 / 600
Spindle Taper		BT-40 / ISO 40	BT-30 / ISO 30	BT-40 / ISO 40	BT-40 / ISO 40	BT-50 / ISO 50
Spindle Speed	RPM	35-5000 10000 and above on request	30-8000 10000 and above on request	35-8000 / 10000 (opt.)	35-6000-10000(opt.)	35-6000-10000(opt.)
Rapid Traverse	M/min	20 / 36 (opt.)	15	20 / 36 (Opt.)		
Feed Traverse	M/min	10	10	10	10	5 / 10
Spindle Nose to table top	MM	70-505	50-300	70-580	70-615	70-520
Spindle motor power	Kw	3.7/5.5	2.2	5.5/7.5	11/15	18.5/25.5
ATC opt. Bi-directional	No.	16/20	Std.	16/20/24/30	16/20/24/30	16/20/24
Type of Tools	BT/ISO	BT-40 / ISO 40	BT-30 / ISO 30	BT-40 / ISO 40	BT-40 / ISO 40	BT-50 / ISO 50
Max. Tool dia.(Full)	MM	80	Std	80		
Max. Tool Dia (Empty)	MM	125	Std	125		
Max. Tool Length	MM	200	Std	200		
Positioning Accuracy	MM	0.004				
Repeatability	MM	0.003				
Resolution	MM	0.001				
Power supply		3 Phase / 415V/50Hz				
Pull studs as per DIN		69872/A				
CNC Controller		Fanuc / Siemens				

Higher capacity motor, spindle speeds, rapid traverse and accuracies can be provided to meet customers' requirements.



CMT-F1 CNC



CMT-MACHINEX 100 V CNC

CMT-F1 CNC	
Table size	420 x 180 mm
Travel X,Y, Z	200 / 125 / 200 mm
Spindle Head / Taper	90 deg. / ISO 30 / BT 30
Spindle Center line to column	155 mm or more
Spindle motor speed range	AC/PMDC 400W/ 0-3000 RPM
Feed / Rapid Rate	1-750 / 750-1000 mm/min or more
Tool Change	Manually 8 Nos. CNC Prompting
ATC (Optional)	6 / 8 Stations
CNC System	FANUC/SIEMENS/PC Controlled
No. of axes / Drive / Resolution	3/Stepper / Servo / 0.01 / 0.005 / 0.001 mm
Spindle nose to table top	25-225 mm
Spindle centre (horz) table	114 - 314 mm
Positioning accuracy	± 0.02
Manual feed with jog(mm)	0.01, 0.1, 1.0, 10 all axes
CMT-MACHINEX 100 V CNC	
Centre Height	75-100 mm
Distance Between Centre	315 mm
Swing over bed / Cross slide	150 / 75 mm
Travel of Cross slide	75 mm
Head stock spindle bore	16 mm
Spindle taper / Speed range	MT-2 / 0-3500 RPM
Tail stock sleeve dia.	22 mm
Tail stock taper / stroke	MT-1/MT-2 / 42 mm
Type of drive / Resolution	Stepper /Servo / 0.01 / 0.005 / 0.001 mm
CNC System	FANUC/SIEMENS/PC Controlled
Feed / Rapid rate	1-750 / 750-1000 mm or more
Main spindle drive PMDC/AC	1HP, stepless variation
Manual feed with jog(mm)	0.01, 0.1, 1.0, 10 both axes

Our Product Range

- CNC Vertical Machining Centers
- CNC Turning Centers
- CNC Trainer Milling Machines
- CNC Trainer Lathes
- Bench & Pillar type Drilling Machines
- Gang Drilling Machines (2, 3, 4, 5, 6 Head)
- High Speed High Precision Micro Drilling Machines
- High Speed PCB Drilling Machine

We also undertake Projects involving Designing and Manufacturing of Special Purpose Machines

CMT CNC SPM PIN ROOT NARROW HEAD DRILLING MACHINE For BHEL - Steam Turbine Rotor Drilling.



- Accuracy as per VDI / DGQ - 3441 / JIS / IMTAS / DIN Standards
- The specifications in this catalogue may be changed without prior notice due to ongoing R & D programs.
- Standard and Special accessories / equipments listed are provisional. For the final list and exact detailed specifications - Refer Annexure and Data Sheet.



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