CLEVELAND

Double Column Machining Center Model: D1703

- Fanuc control system
- 20 HP spindle motor, CAT50/BT50 spindle taper
- ATC 32 Tools
- Gear Head 4,500 rpm spindle speed w/spindle oil cooler
- Roller linear guide way
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30 Meehanite casting main frame with annealed & stress relieved for long term reliability
- 100% laser tested for positioning accuracy & repeatability
- Telescopic steel way covers on all three axes
- Extended head
- Coolant system and air blast system & tool box & tools
- Central lubrication system
- Built-in Quartz work light
- 90° angle slide milling head (opt)
- Rigid tapping (opt)

• R	igid tapping (opt)
Travel	
	X / Y / Z axis travel: 118" / 63" / 39"
Table	
	Table area: 59"x118"
	T-Slot (nosize x pitch):
	No. of linear ways / slide blocks: 2 / 6 Max. table load: 18000 lbs
Distance	Max. table load 16000 lbs
Distance	Distance between columns: 67"
	Distance from spindle end to table: 7.8"- 47.2"
Spindle	
	Spindle nose taper / tool: 7 / 24 / NO.50, CAT50/BT50
	Spindle speed: 60-4500rpm
	Spindle type: Gear head 4500rpm Ø3.9"
Feed	Spindle motor (30 min. rating./ cont.): 20 HP
Feed	2 avec compared v////7.
	3 axes servo motors X/Y/Z: 7 kW X / Y / Z axis rapid traverse: 472 / 472 / 393 ipm
	Cutting feedrate:
Automatic Tool Changer (OPT)	
	Tool magazine capacity: 32
	Tool change time:
	Max. tool dia. / empty adj. tool:
	Max. tool length:
	Max. tool weight: 39 / 44 lbs
Accuracy	
	Positioning accuracy: IS B6201: 0.01 mm / 300 mm VDI3441: P0.025 mm
	Repeat accuracy: ± 0.003 VD13441: Ps0.015 mm
	Circular accuracy: 0.02 mm / Ø300 (X, Y surface)



Installation requirements

Connected electricity: 60 KVA Weight (about): ----- 72000 lbs

Standard Accessories

1. Fanuc control system

2. Force auto lubrication system

- 3. Semi-enclosed splash guard
- 4. Ship augers at both sides
- 5. Crawler chip conveyor with chip bucket
- 6. Coolant pump and tank
- 7. Spindle oil cooler
- 8. Nitrogen gas counter balancing system
- 9. Z axis hydraulic counter balancing system
- 10. Air system
- 11. Air gun for removing chips

- 12. Halogen work light
- 13. Automatic power off device
- 14. Program finished warning lamp
- 15. RS-232 interface
- 16. Leveling bolts and blocks
- 17. Service tool
- 18. Operation and maintenance manual
- 19. Controller operation manual
- 20. electric circuit drawing
- 21. Machine accuracy inspection report

Optional Accessories

- 1. Auxiliary tool stand
- 2. NC rotary table
- 3. Automatic tool setting device
- 4. Computerized scanning imitative system
- 5. Linear scale feedback
- 6. 90 degree slide milling head

- 07. Universal milling head
- 08. 45 degree angular milling head
- 09. Chain type magazine
- 10. Oil water separating tank
- 11. Coolant through spindle
- 12. Tool setting & part probe

Additional Accessories Information

Power requirement: 60 KVA 3 phase 208V to 230V (Max) Air requirement: 90 - 100 psi Type of oil for way oil / oil chiller / pneumatic oil: Mobil Vectra #2/ Shell Tellus 32/ Air tool oil

CLEVELAND MACHINERY SALES INC.

5000 BROOKPARK ROAD CLEVELAND, OHIO 44134

PHONE: 216-741-8900 FAX: 216-741-8995

WEBSITE: www.clevelandmachinery.com EMAIL: sales@clevelandmachinery.com

^{**} WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE **