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Deepak - E- 32 CNC TURNING MACHINE

Machine Specification

Abhijat make CNC Lathe is a balance between economy & technology in CNC machine tool Industry. The basic machine is having rigid headstock mounted on fabricated, stress relieved machine base. Machine spindle is mounted in precision bearings for higher accuracy. Main Spindle uses A42 Collets operated by pneumatic Cylinder to clamp bar or blank.

X & Z axis with linear guideways are operated by C2 / C3 Class Precision ball screws.

Date	Description	Units	Deepak E32
Bar	Capacity-Maximum dia	mm	32
	- Maximum Hex	mm	28A/F
	- Maximum Square	mm	22 A/F
	Maximum Turning Length	mm	100
	Maximum Boring/Drilling Depth	mm	40
Spindle	Collet Size	type	A-42
	Maximum Spindle Speed	RPM	3000
	Spindle Motor Power	Kw	2.2
Feed	X axis Travel	mm	125
	Z axis Travel	mm	150
	Rapid Traverse rate-X axis	Mtr/min	10
	Rapid Traverse rate-Z axis	Mtr/min	10
	Rated torque X	N-m	4
Liner Tooling	Number of T-slots	nos	2
	T-slot size	mm	15
	Tool Shank Size	mm	20x20
CNC System	Controller	Type	Siemens 8025
Machine Size (LxBxH)	Without Bar Feed	mm	1450x1100x1800
Weight	Net Weight	Kg	500 Kg Approx
Optional Machine Features	Manual Pulse Generator		
	3 Phase Voltage Stabilizer		
	Tool Holder		
	Bar Feeder Motorized Lubrication		
Basic Machine Consist of	LM Slide for x & axis.		
	Collet Chucking		
	Telescopic covers for X axis.		
	Coolant Attachment		
	Machine lamp		
	Instruction Manual		
CNC System Details	Siemens 802 S		
	Number of axis	2	
	Manual data input	YES	
	Constant Surface Speed Control	YES	
	Multiple Repetitive Cycles	YES	
	Thread Cutting Cycle	YES	
	Communication interface	Rs 232	
	Tool Compensation & clearance compensation	DIRECT	
Graphic Display	YES		

Note : We reserve the right to modify specification in accordance with improved design. Although every effort will be made to maintain accuracy in the data given the figures must be taken as approximate and in no way binding.

Basic Machine consist of :

- LM Slide for X&Z axis
- Collet Chucking
- Centralised lubrication
- Machine Lamp
- Coolant Attachment
- Instruction Manual
- Tool Kit

CNC System :

- No. of Axis: 2 Nos,
- Manual Data Input
- Multiple repetitive Cycles
- Circular Inter-Polation
- Rs.232 interface



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- Economy is the Key
- Compact Foot Print



Deepak - E-32

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