

# ALB CNC

## FLAT BED CNC LATHE



Flat bed CNC lathe built to rough machine heavy and lengthy jobs

**ĀSKĀR GROUP**

### Flat Bed Robust Turning Solution

#### TECHNICAL SPECIFICATION

DESCRIPTION	UNIT	VALUE
<b>CAPACITY</b>		
Centre height	mm	225
Admit between center - ABC	mm	700/1000/1500
Swing over bed	mm	440
Swing over cross slide	mm	160
Turning diameter (max)	mm	440
Bed width	mm	320
<b>SPINDLE</b>		
Spindle bore	mm	45
Spindle nose		American type No. 1
Spindle taper		Metric 50
Spindle speed (max)	rpm	2000
No. of speeds		45-2000
Front bearing size - matched pair (double row taper roller bearing)	mm	100
Rear bearing size - matched pair (single row taper roller bearing)	mm	65
Variable speed (optimum) range	rpm	50-2000
<b>CHUCK (Optional)</b>		
Maximum size	mm	250
<b>SLIDES</b>		
Work feed - Z / X axes	mm/min	0-1000
Rapid rate - Z / X axes	mm/min	10000
<b>TURRET (Optional)</b>		
No. of stations		8
Maximum boring bar capacity	mm	40
Tool cross section	mm	25 x 25
<b>TAILSTOCK</b>		
- Manual		Standard
- Hydraulic		Optional
Tailstock quill diameter	mm	70
Tailstock quill travel	mm	150
Tailstock taper	mm	MT 4
<b>GENERAL</b>		
Main motor	KW	7.5
Machine size - L x B x H (approximate)	mm	2200 x 1000 x 1800
Machine weight (approximate)	kg	2500

Note: Due to continuous improvement of the product, specifications are subject to change with out notice

#### Control System (standard) SINUMERIK-802D

- Simultaneous 2 axis control
- Process - oriented cycles
- Thread cutting cycles
- Direct drawing dimension programming
- Pitch error and backlash compensation
- Auto referencing
- Constant surface speed control
- RS-232C serial interface port
- 256Kb user memory
- Background editing
- Inch / Metric conversion
- Tool nose radius compensation
- G-Code compatibility with other controller
- Graphic simulation
- Look ahead facility
- Part count, time count and working time
- Electronic hand wheel

#### Control System (optional) FANUC-0iMate TC

#### Standard Features :

- Standard spindle drive with induction motor
- AC digital servo drive for both axes
- Coolant system
- Centralised and programmable lubrication
- Quality electrical devices with air conditioned panel
- Controlled temperature, humidity and dust free electronics
- Manual tail stock
- Open type sheet metal guard

#### Optional Features :

- Hydraulically operated tail stock
- Rotating center for tail stock
- Closed type guarding instead of open type guard with top panel
- 8 station tool turret with tool disc
- 200mm (8") hydraulic chuck with hydraulic cylinder
- Hydraulic power pack for chuck & tail stock operation
- AC spindle drive with AC spindle motor
- Spindle encoder kit
- Reduction sleeves, boring bar holders, axial tool holder
- Hydraulic collet chuck
- Tool up machine to meet customer need



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