

# Gate — ECLIPSE

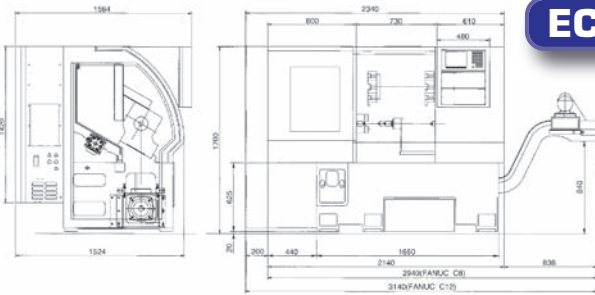
## CNC Lathes

Premium CNC lathes affordably priced

**NEW**

High precision production type CNC lathe packed with standard features. Fitted with industry standard Fanuc controls and a wide range of options to support your particular requirements. All Gate machines come with a 2 year warranty as standard.

Layout Drawing

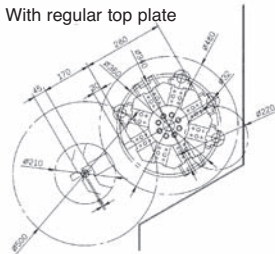


**ECL-SB500**

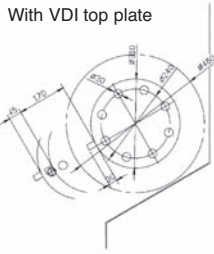


Interference Drawing

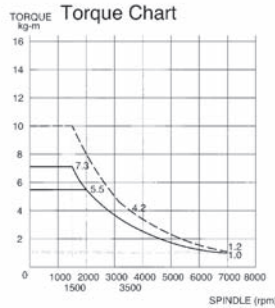
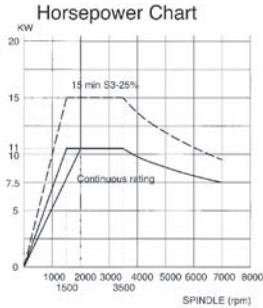
With regular top plate



With VDI top plate



Torque & Horsepower chart 11/15KW



### Casting

- One piece Meehanite casting, strategically ribbed to provide superior rigidity
- 3 degree 1650Kg base offers extra cutting diameter
- Designed for easier chip flow



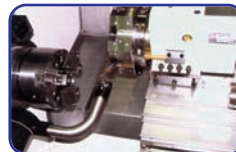
### Hydraulic Chuck

- Hydraulic 3 Jaw chuck with hard and soft jaws



### Tool Touch Probe (options)

- Manual tool touch probe
- Automatic tool touch probe provides quick set up and easy use



### Spindle

- Heavy-duty spindle
- Supported by 4 angular bearing
- 11Kw powerful spindle drive



### Turret

- 8 station bi-directional
- 0.79 seconds indexing time
- Hydraulic operation
- Through tool holder coolant
- Choice of regular or VDI-30 top plate
- Live tooling/C-axis (option)



## MODEL ECL-SB500

<b>Capacity</b>	
Swing over bed	500mm
Swing over cross slide	220mm
Max cutting diameter	180mm
Max cutting length	460mm
Slant bed degree	30°
<b>Travel</b>	
X axis	(215) 170+45mm
Z axis	520mm
<b>Spindle</b>	
Spindle nose	A2-5 / A2-6
Through hole diameter	42/46/52/65mm
Spindle speed	6000 (for LT-42/46) rpm 5000 (for LT-52) rpm 4000 (for LT-65) rpm
Spindle motor	11/15KW
Hydraulic chuck size	169 for LT-42/46mm 210 for LT-52mm 215 for LT-65mm
Hydraulic pressure min/max	5/30Kg/cm <sup>2</sup>
<b>Turret</b>	
Turret type	Hyd. Vertical
Tool no.	8, VDI30
Boring bar diameter	32mm
Square tool holder	25 x 25 or 20 x 20mm
<b>Live tooling (opt.)</b>	
Tool shank diameter	VDI30mm
Power rating	3.75KW
Maximum speed	4500rpm
<b>Axes</b>	
X axis ballscrew	ø32 x P10
X axis linear guide way	30mm
X axis rapid feed	30m/min
Z axis ballscrew	ø32 x P10
Z axis inner guide way	30mm
Z axis rapid feed	30m/min
<b>Motor</b>	
X axis servo motor	1.8KW, 3000i
Z axis servo motor	1.8KW, 3000i
Coolant pump motor	¾HP
Chip conveyor motor	¼HP
Hydraulic pump motor	75W
Lubrication pump motor	30W

## MODEL ECL-SB500

<b>Accuracy</b>	
Positioning accuracy	±0.005/300mm
Repeatability accuracy	0.005mm
Tailstock quill diameter	65mm
<b>Tailstock</b>	
Tailstock travel	425mm
Quill taper	MT4
Quill travel	50mm
<b>Coolant</b>	
Tank capacity	140L
Max coolant pressure	2.5Kg/cm <sup>2</sup>
Max coolant flow	55L/min
<b>Lubrication</b>	
Tank capacity	2L
Pump pressure	8Kg/cm <sup>2</sup>
Pump flow rate	2.2L/min
Distributor type	Pressure release
<b>Miscellaneous</b>	
Length without chip conveyor	2340mm
Length with chip conveyor	3140mm
Width	1594mm
Height	1700mm
Machine weight	3200Kg
Floor space	3140 x 2500mm
Total power consumption	35KVA

CNC TURNING