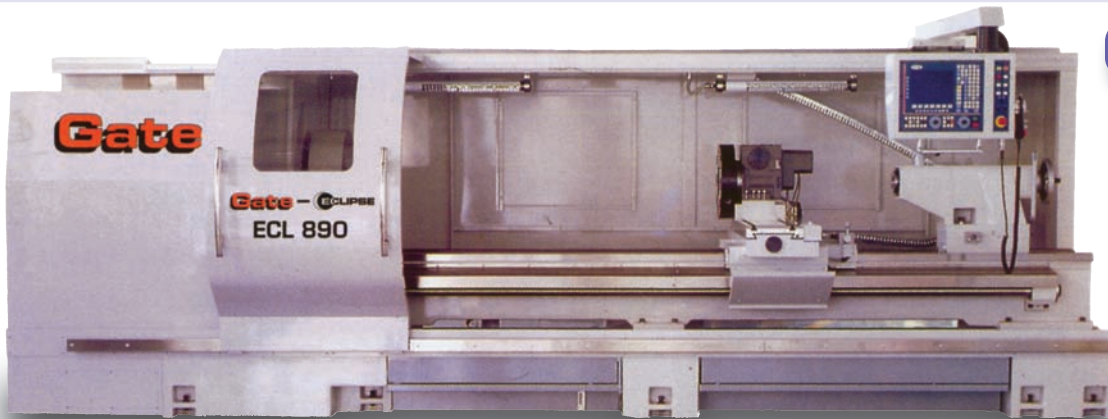


Gate – ECLIPSE

Heavy Duty CNC Lathes

Premium heavy duty CNC lathes affordably priced

The Gate – Eclipse range of Heavy Duty CNC Lathes are designed to undertake larger diameter work from 760mm to 890mm diameter over the bed, and 1020mm-1150mm diameter in the gap and up to 6000mm between centres. Spindle bores range from 106-305mm making these machines extremely versatile for larger work. They are ideal for one-offs and small batch work, as well as production work. The user-friendly Fagor 8055iA makes them easy to program. Complex work can be achieved after only one day's training. All Gate – Eclipse CNC lathes are supplied with a 2 year warranty as standard.



ECL-890

ECL-890 pictured with Fagor 8055iA control & optional VDI turret

Eclipse Heavy Duty CNC Lathes Standard features include:

- Fagor 8055iA control – standard
- 2 step automatic gear change infinitely variable speed controlled by inverter
- Constant Surface Speed CSS
- Ergonomic design for ease of operator use
- One-piece base castings for superior rigidity and strength
- Quick change toolpost with 6 tool holders

Machine options include:

- 30/40Kw spindle motor
- 3-jaw chuck and steadies
- Electric 4-way toolpost
- 8 position automatic VDI turret
- C-axis
- Joy stick & portable electronic handwheel
- Swarf conveyor and wash down system
- Fanuc & Siemens control options

Model	ECL-760	ECL-890	Model	ECL-760	ECL-890
Capacity			Feed rate		
Swing in gap	1020mm	1150mm	X axis rapid traverse	10m/min	
Swing over bed	760mm	890mm	Z axis rapid traverse	12m/min	
Swing over cross slide	420mm	550mm	Jog feed per revolution	1000mm/rev	
Distance between centres	2200/3200/4200/5200/6200mm		Accuracy		
Hole through with hyd. chuck (opt)	92mm for 106 bore		Positioning	0.015mm	
Gap length from spindle nose surface	372mm		Repeatability	0.01mm	
Max work piece weight (with tailstock)	3000Kg		Slide		
Travel			Overall bed guide width	560mm	
X axis	455mm		Cross slide guide width	300mm	
Z axis	2000/3000/4000/5000/6000mm		Feed motor		
Spindle			X axis power	10Nm	
Speed range (standard)	15-2500rpm (106 bore)		Z axis power	19.5Nm	26Nm
Speed range (option)	10-2000rpm (153mm bore), 10-1000rpm (230mm bore), 10-850rpm (305mm bore)		Ball screw		
Suitable chuck size (option)	305mm (106mm bore), 406mm (153mm bore or bigger)		X axis power	40mm	
Spindle nose	A2-11 (106mm bore), A2-15 (153/230/305mm bore)		Z axis power	63mm (shorter and 3M length), 80mm (longer and 4M length)	
Spindle hole diameter	106mm (standard), 153mm, 230mm & 305mm (option)		Tailstock		
Motor power	22/33KW (standard), 30/40KW (option)		Quill stroke	230mm	
Max. speed torque	176Kgm (standard)		Quill diameter	125mm	
Turret (option)			Quill inside taper	6MT	
Number of tool stations (VDI 40/50)	12/8		Coolant		
Tool allowance (VDI 40/50)	25/30mm		Pump motor	750W	
Tool shank	40/50mm		Pump capacity	17L/min	
			Pump pressure	3.5Kg/cm ²	
			Lubrication		
			Pump motor	12W	
			Pump capacity	130cc/min	
			Dimension		
			Length	4900/5900/6900/7900/8900mm	
			Width	2185mm	
			Height	2120mm	