



ECL-400/460



ECL-460 pictured with Fagor control

- Manual operation / Teach / Full CNC
- Ideal for Education and Training
- Great for one-offs and small batches
- Can be fitted with Bar Feeder, Swarf conveyor for production requirements
- C axis with Power Turret options available for economical Mill/Turn capability
- Choice of controls for full flexibility

Note: Z axis travel is reduced when 6 or 8 position turret is fitted

MODEL	ECL-400	ECL-460
Swing over bed	400mm	460mm
Swing over cross slide	230mm	240mm
Centre height	205mm	230mm
Distance between centres	880mm	1000/1500mm
Width of bed	260mm	355mm
Spindle speeds	100-5000rpm infinitely variable	100-4500rpm infinitely variable
Spindle nose	D1-6	D1-6
Spindle bore	52.5mm	65mm
Chuck size	200mm	200mm
Longitudinal working	855mm	1150/1650mm
Cross slide working stroke (X axis)	190mm	260mm
Size of toolpost shank	20 x 20mm	25 x 25mm
Tailstock diameter	58mm	65mm
Tailstock travel	140mm	150mm
Tailstock taper	4MT	4MT
Spindle motor	5.5KW	7.5/11KW
Rapid traverse X/Z	12m/min	15m/min
Feed rate	0.01-1000mm/rev	0.01-1000mm/rev
Jog feed rate	500mm/min	500mm/min
Machine weight	2350Kg	2550Kg 3150Kg

The Gate – Eclipse range of CNC Lathes are modular in design so they can be supplied to meet our customer's specific requirements.

With a wide range of work holding, tool holding and control options to choose from, these CNC Lathes can be as simple or as complex as the customer needs.



pictured with 8 position VDI turret (option)

High Speed Operation

Spindle	4500 rpm
Rapids X & Y	15 m/min
Turret Index - 1 tool	0.46 sec
- 180 deg	0.65 sec

(with Baruffaldi VDI Turret option)

Eclipse CNC Lathes Standard features include:

- CNC controller
- Automatic speed change
- Infinitely variable speed controlled by inverter
- Constant Surface Speed CSS
- Ergonomic design for ease of operator use
- New shape round interlocked guards
- One-piece base castings for superior rigidity and strength (not ECL-360 & ECL-400)
- Quick change tool post with 6 tool holders

Machine options include:

- High speed 3 Jaw chuck
- Electronic 4-way tool post
- 8 position automatic VDI turret
- C axis
- Swarf conveyor
- Fixed & travelling steadies
- Joy stick
- Portable electronic handwheel
- Pneumatic 3-jaw chuck
- Hydraulic 3-jaw chuck
- Bar feeds
- Choice of controls: Siemens Fanuc