

ACER

GO

E-Lathe

An Easy Speed Lathe

40i TS Lathe CSS

Advantages of Constant Surface Speed

- Optimum surface cutting speeds lead to improved tool life and less scrap
- Provides finer surface finish
- Permits use of high performance ceramic tooling



Fagor 40i TS Constant Surface Speed Digital Readout



Display Standard Features

- CSS (Constant Surface Speed) – Provides an Analog Spindle speed output that is applied to the AC inverter spindle drive. The system then utilizes the cross slide position on the diameter of the part to automatically control the Spindle speed via a high speed variable output thus ensuring a constant surface speed.
- Also allows for Spindle Orientation with Teach-In
- Spindle Override of 50-150% allowed
- Spindle speed control through an external potentiometer or keyboard programming control in non-CSS mode
- Allows for up to 4 spindle speed gear ranges
- Special Inputs: Emergency input, analog input from potentiometer, external push buttons for Spindle Fwd, Spindle Rev and Spindle stop
- Displays the Real RPM
- Radius/Diameter operation
- Allows for semi-absolute distance coded feedback
- Up to 100 points of compensation per axes
- 5.7" High Resolution Color LCD TFT screen
- Fine/Coarse resolution
- 100 Tools allowed
- Buzzer alarm function for alerting operator of errors
- Taper calculation cycle
- Turning cycle
- Facing cycle
- On screen guided help with graphics
- USB port for copying data
- Auto shut-off after 30 minute idle
- Axes preset
- On-board calculator
- Axes Coupling
- Inch/Metric programming
- Precision optical linear encoders utilized offering guaranteed accuracy (Laser accuracy chart provided with every linear scale)
- And much more

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