

Series E238 Presetters

by elbo controllii

Our E238 series of tool presetters combines advanced electronics with precision mechanics and superior construction for the optimum in simple and accurate operation.

Features

Compact and reliable for shop environment use

Precision optical scales

Ground granite column and base for unparallel stability

Traveling column system

Manual rapid movement with two-axis micro-fine adjustment

Interchangeable rotating, high precision spindle with thumb screw lock

Panvision color Camera system provides auto acquisition with a resolution of up to 0.005mm. (E238-Pulsar model only)

Two serial ports, for printer and PC data input/output

Transmit toolholder offsets to Machine Tool Controller via Optional Gamma Tool Software



E238-PULSAR

TECHNICAL CHARACTERISTICS

MECHANICS

- Measuring range: X axis: 140 mm (ø280mm) [5.51" (ø11.02")], Z axis: 380 mm [14.96"]
- Ground granite column and base
- Traveling column system
- Interchangeable rotating spindle: 30/35/40/45/50 taper on a roller cage; 0.002mm concentric error
- Double recirculating ball bearings guides with double prismatic special guideways
- Axis adjustment: Rapid and manual, continuous micro-fine
- Counterweight with constant load Archimedes spiral springs
- Panvision 5.6" Color Camera system provide 20X and 40X magnification. (E238-Pulsar model only)
- Customized mechanical comparator (ARA model)

ELECTRONICS

- LCD graphic display
- 21 key alphanumeric keyboard
- Software organized with icon menus, function key selectable
- Management of 99 machine tool origins
- Tool management organized in tables/tool set (max 10) for a total of 500 tools
- Tool storage consists of: toolholder name, number, radius/diameter, gage length, insert radius, and a 16 character alphanumeric note
- The memorized data is stored for ten years, even during a power failure
- Screen colors of the cutting tool are uniquely designed to change from red to green in confirmation of correct tool setting (E238-Pulsar model only).
- FLASH technology: For BIOS updating from RS-232 serial output (allows software updating via the Internet)
- Radius/diameter, mm/inch, abs/incr conversion
- Geometric measuring functions (radius, angle and point to point) - Pulsar model only

OPTICAL SCALES

- Incremental optoelectronic measuring systems with zero pulse in square wave mode (SLIDE 375 from ELBO CONTROLLI)

AXIS RESOLUTION

- X axis 0.0002", (0.005 mm)
- Z axis 0.0002", (0.005 mm)

OVERALL DIMENSIONS

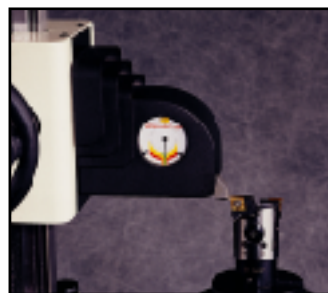
- Height = 35.5", Length = 27.6", Width = 15.8"
- Weight: 132lbs



E238-ARA



Panvision (Pulsar)



Dial Indicator (ARA)

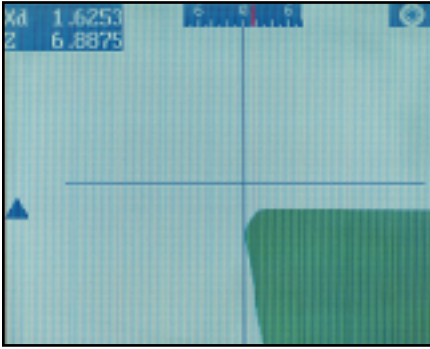


Micro-fine Adjustment

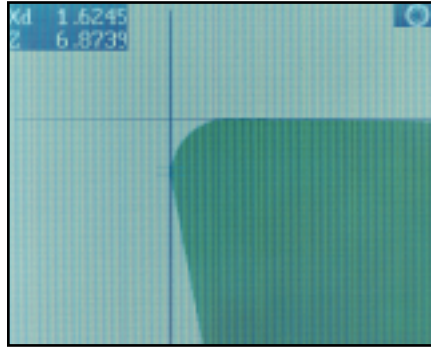


Control Panel

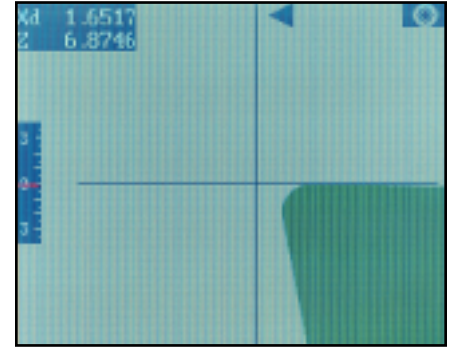
PANVISION



Screen colors of the cutting tool change from red to green in confirmation of correct tool setting.



Self Acquisition with 40X magnification



Analogue scale for the exact measurement (1 μ m resolution)

ACCESSORIES



ADDITIONAL SPINDLES



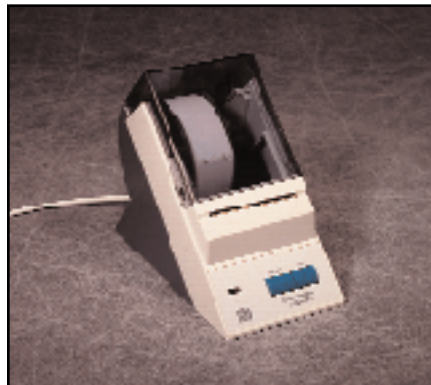
PRESETTER MASTER



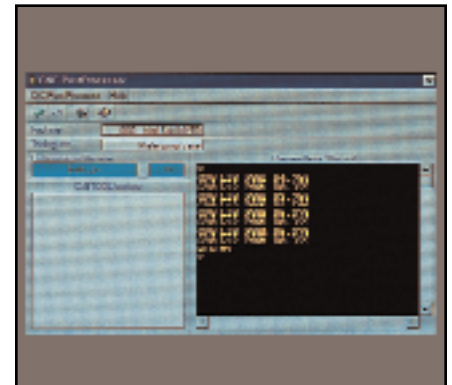
HSK ADAPTERS



REPORT PRINTER



LABEL PRINTER



GAMMATOOL
TOOL DATABASE SOFTWARE
(SEE GAMMATOOL BROCHURE)



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