

E236+ —



TOOL PRESETTER

E236+: THE HIGH PERFORMANCE "ENTRY LEVEL" PRESETTER

"In the small barrel, there's the good wine" an old Italian saying goes: it metaphorically refers to small objects ability to have important qualities, difficult to find or imagine at first and little careful observation.

The E236+ is all of this: despite its small size, with a diameter of 260 mm (130 mm radius) and a height of 360 mm, this presetting machine is suitable for anyone that wants to try the presetting experience for the first time.

Functional. Practical. Simple.

A new design worth mentioning

The E236+ was designed and developed to guarantee greater accuracy of measurements, better dimensional stability and excellent reliability.

The base and column are made of **NATURAL GRANITE**, an extremely suitable construction material as it has unique physical and mechanical characteristics.

Granite has one of the lowest thermal expansion coefficients in the world, an important peculiarity when it comes to measurement.

That's why Elbo Controlli NIKKEN uses granite for all its presetters.

Simplicity is the keynote

The **NEW** firmware to manage the machine guarantees high performance, always keeping that touch of simplicity that distinguishes all of the Elbo Controlli NIKKEN presetter machines.

Why complicate your life when you can make it easier?

Angles, radii, data storage and much more: all you need is here.



Evolution never stops

The **NEW** TFT colour LCD 7" LED display makes the presetting experience simple and complete.

The tool data visualization is intuitive, all the machine functions are available in a single screen, simplifying your life.

Ever easier. Within everyone's reach.



*Half Dome is a GRANITE dome at the eastern end of Yosemite Valley in Yosemite National Park, California. Its summit is located at a height of 2694 m a.s.l. and the granite crest rises more than 1,444 m above the valley floor.
If looked at in profile, it appears as cut in half sharply, taking the shape of a sharp raptor beak, or a sharp claw.*



Interchangeability is the winning weapon

The E236+ has interchangeable spindle holders (ISO/BT/HSK/polygonal taper...etc), avoiding the use of adapters which can introduce coupling errors. These errors are removed from the E236+.

Strict construction and testing procedures allow excellent results. The run-out error is less than 2 µm.

What are you waiting for? Repeatability and reproducibility are our priorities, you are the one who chooses.

Positioning as never seen before

The **NEW** axes positioning system helps you to frame the cutting edge to be measured in the center of the screen quickly and easily.

Originality and simplicity are in our DNA.



The adjustment of the support foot allows the machine to adapt to any surface.

Comfortable and easy to fix, it will help you to find the right position without the machine moving involuntarily.

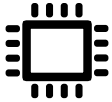
Find the most suitable position, adjust the support foot and the unit is ready.

TECHNICAL FEATURES



MECHANICS

- MEASURING RANGE: DIAMETER MAX 260 MM (RADIUS 130 MM); HEIGHT MAX 360 MM
- BASE AND COLUMN MADE OF GROUND GRANITE
- ISO/BT/HSK/VDI... ETC. INTERCHANGEABLE ROTATING SPINDLE-HOLDER
- 4 RE-CIRCULATING BALL BEARING LINEAR SLIDES
- MANUAL MECHANICAL BRAKING OF THE INTERCHANGEABLE SPINDLE-HOLDER ROTATION
- MANUAL AXES MOVEMENT
- EXTERNAL 24VCC POWER SUPPLY
- OVERALL DIMENSIONS: L = 570 MM, H = 793 MM, D = 408 MM
- NET WEIGHT: ~ 46 KG



ELECTRONICS - OPTICS

- VISION SYSTEM FOR TOOL MEASURING
- ELBO CONTROLLI NIKKEN LINEAR TRANSDUCERS IN OPTICAL GLASS TYPE SLIDE 371
- AXES RESOLUTION: X = 1 μ M, Z = 1 μ M
- C-MOS SENSOR FRAMED IMAGE AREA 5 X 5 MM
- 20X MAGNIFICATION
- TELECENTRIC LENS AND LED ILLUMINATOR
- TFT COLOUR LCD 7" LED BACKLIGHT POINTS MATRIX GRAPHIC DISPLAY (86 X 150 MM IMAGE SIZE)
- FULL TOUCH-SCREEN FOR ALL PRESETTER OPERATIONS
- ELBO CONTROLLI NIKKEN FIRMWARE
- DATA STORAGE ON FLASH MEMORY
- ELECTRONICS DRIVER BASED ON RISC 32 BIT PROCESSOR AND INTEGRATED VISION SYSTEM



SOFTWARE

- 9 NUMERICAL MACHINE ORIGIN MANAGEMENT
- 9 NUMERICAL TOOL TABLES MANAGEMENT, EACH OF THEM COMPOSED OF 99 TOOLS
- TOOL CORRECTOR SPECIFIC STORAGE OF T, LX, LZ, INSERT RADIUS
- INTUITIVE ICONS AND MENU-BASED SOFTWARE
- DISPLAY RADIUS/DIAMETER, MM/INCH, ABS/INC
- MEASUREMENT CAPABILITY BY FULL-SCREEN AUTO-TARGETING
- X AXIS AND Z AXIS FOCUSING CONTROL BARS
- RADIUS AND ANGLE AUTOMATIC COMPUTING CYCLE
- TD236+ TO MANAGE BACKUP AND RESTORE FUNCTIONS, MACHINE ORIGINS AND TOOL TABLES. CONNECTION TO THE PC WITH AN USB PORT AND ELECTRONIC BIOS UPGRADE



OPTIONAL

- ISO/BT/HSK/VDI...ETC. ADDITIONAL INTERCHANGEABLE SPINDLE-HOLDERS
- LABEL PRINTER
- MACHINE STAND

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