



Basic Measurement



Easy to use

**Quickly measure length, diameter,
radius & angles**

**Elbo Controlli proprietary high
resolution vision system**

**Integrated LCD touchscreen / vision screen
for quick and easy operation**

Full screen auto targeting

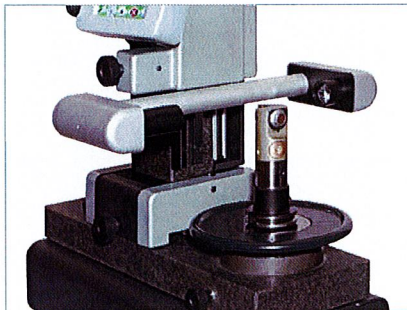
**Can store up to 9 different
NC machine specifications and 9 Tool Sets
(99 tools per set)**

Label printer (optional)



ERGONOMICALLY DESIGNED CONTROLS

Ergonomically designed micrometric hand wheels for X and Z axes allows for precise and smooth fixed-target and auto adjustments. The operator can move the axis simultaneously or independently.

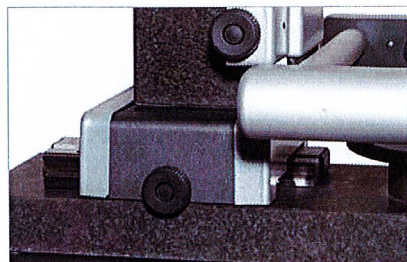


SPINDLE HOLDER OPTIONS

Fixed or interchangeable rotating spindle holder available.

VERSIONS

-ISO / BT 40, 50 / HSK / CAPTO / VDI Interchangeable Rotating Spindle
-ISO 40, 50 Fixed Rotating Spindle Holder & Adapters Available.



NATURAL GRANITE

All Elbo Controlli tool presetters utilize natural granite for the column and base to insure the best thermal stability. This solid base construction, together with Elbo Controlli's excellence in manufacturing, all but eliminates the need for re-alignments and guarantees proper functioning over the life of the unit.



LARTH CONSTRUCTION

Bench Model
Natural Granite Base & Column
Stainless Steel Mechanical Elements
Dimensions 512mm L x 406mm D x 827mm H
Weight 45 Kg / 99 lbs
AXIS MOVEMENT
X Axis (Radial) = 130mm / 5.188in
Z Axis = 360mm / 14.17in
Resolution X & Z Axis - 1 µm
Manual Rapid & Fine Adjustment Movement (Zero Backlash)
SPINDLE
Fixed or Interchangeable Rotating Spindles
ISO / HSK / CAPTO / VDI / Interchangeable Rotating Spindles Available
ISO 40, 50 Fixed Rotating Spindle Holder & Adapters Available
Manual Mechanical Brake
Concentricity - 4 µm
Maximum Tool Weight 30kg / 66 lbs.
OPERATING SYSTEM
5.7" Color LCD Touchscreen Display / Operator Interface / 640 x 480 Resolution
Connectivity - USB / RS-232
Printer Support (optional)
Capable of Storing 9 Different Machine Specifications
Capable of Storing 9 Different Tool Sets (99 tools per set)
CAPABILITIES
Measure - Full Screen Auto Targeting
Measure - X&Z Axis Focusing Control Bar
Measure - Automatic Radius & Angle Computing Cycle
Measure - Radius/Diameter, MM/Inches, Absolute/Incremental Modes
Measure radial and axial runout
VISION SYSTEM
Telecentric Lens / C-MOS Image Sensor with 0.001mm resolution / 20x Magnification
DPP SOFTWARE (Optional)
Tool List Management / Tool Sets & Post Processor Universal Generator
CNC Machine Origin Management
Free software upgrades



PROPRIETARY VISION SYSTEM

High resolution camera system utilizing Elbo Controlli's realized technology. The telecentric lens with C-MOS sensor produce the most accurate lighting system available.



Integrated LCD touchscreen / vision screen for quick and easy operation.

OPTIONAL DATA POST PROCESSING

SOFTWARE (DPP) optional
User friendly and flexible software for applications that require precision measurement. DPP software allows you to upgrade the BIOS, manage tool tables and set machine tool origins, to create files to send to the NC Controller.

**MECHANICS
ELECTRONICS
OPTICS
SOFTWARE**

by
elbo controlli