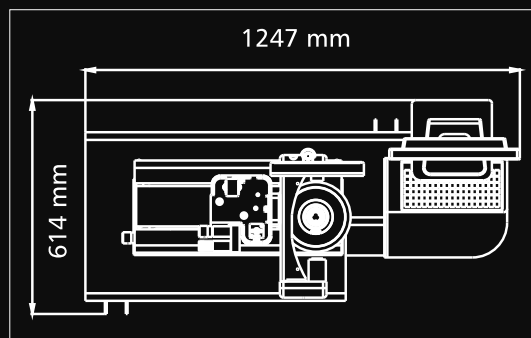
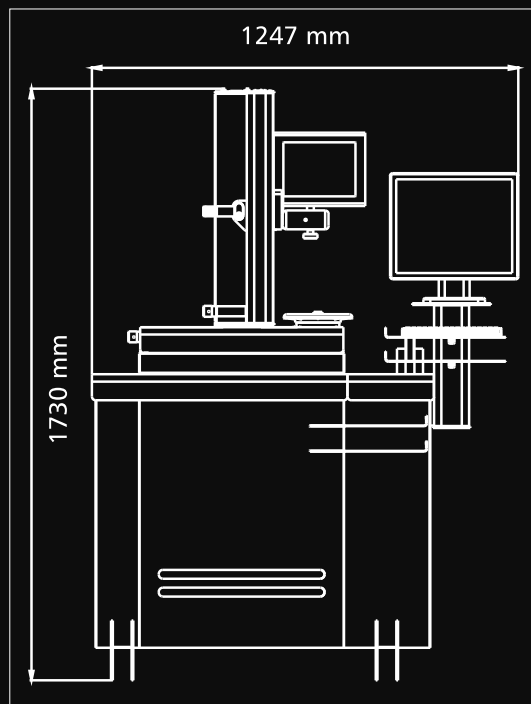


## TECHNICAL FEATURES

- Measuring range: diameter max 400 mm (radius 200 mm); height max 500 mm.
- Machine structure in stainless-steel offering high mechanical and long life, floor mounted with self-levelling supports in non-deformable steel.
- Base and column made of natural granite: linearity max error
- 2  $\mu\text{m}/\text{Mt}$  certification with Taylor Hobson res.1  $\mu\text{m}/\text{Mt}$  electronic millesimal level.
- ISO/BT/HSK/VDI ..... etc. Interchangeable rotating spindle-holder (to be specified) max run-out error < 2  $\mu\text{m}$ .
- Double vault arc prismatic slideways: n°2 X axis slideways, n°1 Z axis slideway.
- Double re-circulating ball bearing slides, lubricated for life (3) (preloading slides/slideways: P/H class). Universal mechanical tool clamping managed via software.
- Control via software with sensor of empty for the exact position between the tool-holder axis and the machine spindle axis, no error of concentricity.
- Pneumatic-mechanic braking of the spindle-holder rotation with radial compensation of the clamping force: no axis angular run error.
- Constant load Archimedean spiral spring (as opposed to a mass counter-balance system).
- Double monitor to display the images and to manage the measurement functions:
  - Tool measurement and cutting-edge inspection:
    - 10.4" colour TFT screen, 13X/26X magnification (zoom) LVDS (on column support).
    - C-MOS sensor, 1.3 Mega pixels, USB connection, 2 High speed Area, 12.8 x 10 mm framed image (4 times bigger than standard values).
  - Measurement management and machine Operator interface:
    - SXGA TFT 17" colour LCD monitor (on machine base adjustable support), 13X/26X magnification (full screen).
    - Celeron M® processor on Industrial Main Board architecture.
    - LINUX operating system.
    - Keyboard and mouse.
    - X and Z axes block management with control maximum speed of translation 2mm/sec.
- Standard software:
  - Tools set and Post Processor universal generator.
  - CNC machine origin management and adapters.
  - Creation of tool list and/or individual tool, even with multiple cutting-edges.
  - Automatic change of CNC machine origin allocation.
  - Magnetic chip code-holders (Balluff for example, hardware not included).
  - Tool image shooting during the inspection and relevant storage in graphic format.
- Optical Equipment:
  - Telecentric lens.
  - Doublet lenses at low F/Number in order to eliminate the error of the clearness circle.
  - Episcopic illuminator with ring lens and red leds; diasopic illuminator with red, puntiform light led.
- ELBO CONTROLLI Linear Transducers in optical glass type SLIDE 371 certified HP laser:
  - Axes resolution: X = 1  $\mu\text{m}$ , Z = 1  $\mu\text{m}$ .
- Anti-dust cover provided for when not in use.
- Overall dimensions: L= 1000 mm, H= 1730 mm, D = 558 mm



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# Khyan



Tool Presetter

