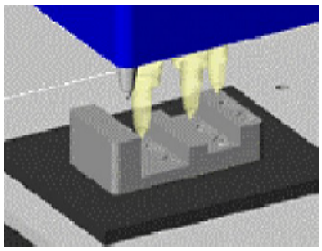
Programmable Motorized Z Axis ZA322

"Integrable" Version

For micro-percussion marking head

CN312m & CN212p (managed by **UC122**)

Advantages



The programmable motorized Z axis will:

- **lower the marking head to the part** for marking,
- then **retract the marking head** after marking.

The retract distance is user-programmable to ease part loading and optimize cycle time.

The version with sensor allows the head to "find" the part automatically when the height is not known : this guarantees a quality mark. This function permits consistent marking of parts with large size tolerances (castings, for example) or a range of parts with different heights.

Two different approaches are possible depending on the marking head and the stylus:

1. Programmable Motorized Z axis with "sensor" function

This function permits the stylus to automatically set itself to the correct marking height.
This function is available only for machines equipped with an electromagnetic stylus with a sensor.

➔ **CN312m machines**.

The "sensor" function is the ideal solution for marking consistent, high-quality DataMatrix™ codes.
This function **can indicate a possible error of the positioning** of the part under the marking head.

2. Programmable Motorized Z axis without the "sensor" function

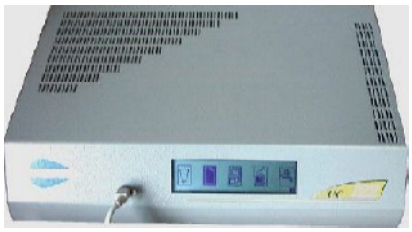
This function permits rapid positioning of the stylus when moving to a known height.

➔ **CN212p machines** (pneumatic stylus) **or CN312m** (electro-magnetic stylus).

Use

The ZA322 (programmable motorized Z-axis) permits fast and easy integration into :

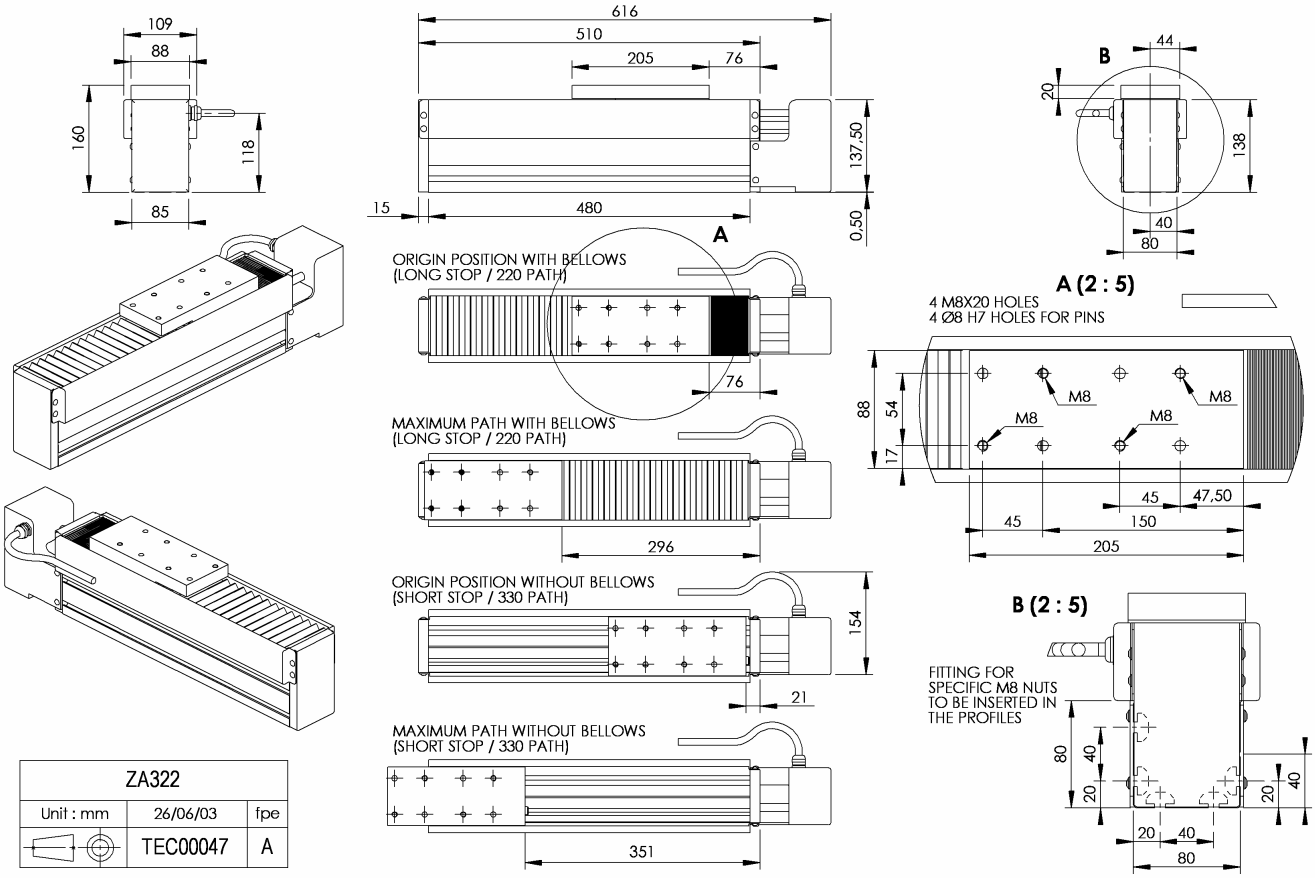
– Assembly machines,
– Test stations,
– Production lines.



It is driven by the UC122 using the T01 program (**no PC required**).

Preventive maintenance tool : The UC122 integrates a **point usage counter** (this information can be sent to the screen or an output). It can be useful in determining when to change a worn point (or resharp it).

ZA322 dimensional diagram



Technical characteristics

Course :

- 220 mm (with bellows)
- 330 mm (without bellows)

Weight :

- 13 Kg

Z axis movement speed when not in "sensor" mode :

- between 20 and 50 mm/s (default value = 40)

Movement speed in "sensor" mode * :

- between 2 and 13 mm/s (default value = 5)

	Horizontal position	Vertical position
Positioning tolerance	+/- 0.1 mm	+/- 0.1 mm
Repeatability	+/- 0.1 mm	+/- 0.01 mm

* It is possible to program a rapid approach to preposition the head, then use "sensor" mode to accurately position the head.

www.technifor.com