

Workshop unit 312

Technical data sheet

- Compact and solid built-in unit for flexible work piece marking
- Diversity in marking processes: scribe, stylus or dot marking
- DataMatrix coding (ECC200)
- Marking area 51 x 51 mm (X/Y-axis)
- Robust ball bearing spindles and carriage with circular ball track in both axes
- Drive is provided by powerful stepping motors
- Control (marking controller): EK-box with membrane keypad and display, protection class IP 54



Application area

This easily transportable handheld unit for DotMatrix fonts and DataMatrix coding is best suited for many areas in industrial applications. The marking unit 312 is a mobile marking device and is operated manually. Even with bigger font sizes markings of one or more lines are possible. Due to its good ergonomic features and its easy way of operating, the device is eminently suited for usage in workshops, in quality control and in stock management. The marking unit 312 is available with hand grips as well as table and column for a flexible handling.

The model 312 is setting new standards with a weight of only 3 kg. Measuring rather small, it still offers a large marking area of 51 x 51 mm. With the help of quick changing optional workpiece support it is possible to adapt to almost any workpiece geometries.

With the compact-controller BC7 there are numerous options of data input via PC, Barcode-scanner, SPS or the integrated membrane keyboard. Here, simple compilation and selection of the marking tasks is taking place as well. Font heights and font widths are freely scalable.

Options

- Counter bracket, depending on application
- Pneumatic infeed slide (50 mm, 80 mm or 100 mm range)
- Mechanical quick-change unit with fine adjustment (Z-position)
- Protective cover of marker bottom side (protection bellows)

Technical Data

Property	Measure, Unit, Explanation
• Measurements marking unit (H x W x D)	160 x 150 x 150 mm (without marking head)
• Marking area (X, Y)	51 x 51 mm
• Weight of marking unit	ca. 3 kg
• Marking speed (depending on character height and shape, marking process and motorisation)	up to 6 characters/ second
• Character height	from 1 mm (enhancing in 0.1 mm steps)
• Operating pressure	2 – 6 bar
• Mounting position	any selectable
• Documentation	German, English or French (more languages are optional)
• Penetration depth marking tip (depending on marking head, marking process and material)	ca. 0.01 – 0.5 mm (see data sheet marking heads)
• Input supply voltage	115 or 230 V

312 optional
with table and column



Workpiece support for plain workpieces



Prism support for round workpieces optional

Technical details are subject to change.

312 with table and column

Dimensions marking head see 312 without protective bellows



