

Workshop unit 312V

Technical data sheet

- Compact and solid workshop unit for flexible work piece marking
- Diversity in marking technologies: scribe, stylus or dot marking
- DataMatrix coding (ECC200)
- Marking area 51 x 51 mm (X/Y)
- Robust ball bearing spindles and carriage with circular ball track in both axes
- Drive with powerful stepping motors
- Control (marking controller): EK2-Box with membrane keypad and display, protection class IP 53



Application area

The workshop unit 312V is best suited for many areas in industrial and handcraft applications where readable markings in dot marking, scribing or DataMatrix coding on materials like steel or aluminium are required. Due to its easy way of operating the device it is eminently suited for usage in workshops, in quality control and in stock management.

Measuring rather small the model 312V still offers a large marking area of 51 x 51 mm. Even with larger font sizes markings of single or multi lines are possible. With the help of quick changing and optional workpiece support it is possible to adapt to almost all workpiece geometry.

With the compact controller EK2-Box there are numerous options of data input via PC, Barcode scanner, SPS or the integrated membrane keyboard. Simple compilation and selection of the marking tasks is taking place as well. Font heights and font widths are freely scalable.



Options

- Depending on application: positive stop (with points or rubber pads) and adapter for round workpieces
- Dirt cover at the bottom of the marking unit



Technical data

Property	Measure, Unit, Explanation
Dimensions workshop unit (W x D x H)	350 x 460 x 705 mm
Marking area (X, Y)	51 x 51 mm
Weight workshop unit (without controller)	approx. 25 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)
Documentation	German, English or French Other languages are optional
Penetration depth marking tip (depending on material, marking head and marking process)	approx. 0,01 – 0,5 mm (see data sheet marking heads)
Font	DIN 1451, 7 x 5 dot marking, scribe, stylus DataMatrix code Other fonts are optional
Special signs, logos	according to specification
Marking direction	straight line, angle or circular arc
Power supply	
Power supply with connecting cable	230 V AC $\pm$ 10 %, 50/60 Hz or 115 V AC $\pm$ 10 %, 50/60 Hz switchable
Pneumatic connection (input pressure) technically conditioned compressed air	At least 5 bar (at least 75 psi) dried, oil-free, filtered with 50 μ m

Technical details are subject to change.



Positive stop for flat workpieces



Adapter for round workpieces are optional

Drawing 312V workshop unit

