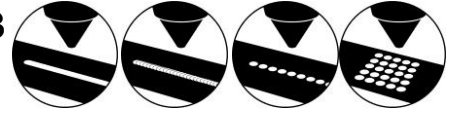


## Workshop unit 313

### Technical data sheet



- Marking area 120 x 20 mm (X/Y)
- Diversity of marking technologies: stylus, scribe or dot marking
- DataMatrix coding (ECC 200)
- Compact and solid marking unit for flexible marking of components
- Robust ball bearing spindles and carriage with circular ball track in both axes
- Drive is provided by powerful stepping motors
- Control (marking controller): EK2-Box with membrane keypad and display, protection class IP 53



### Application area

The workshop unit 313 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 313 still offers a large marking area of 120 x 20 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 geometries.

With the compact marking controller EK2-Box 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

- Positive stop depending on application (prism, points or rubber pads)
- 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)	120 x 20 mm
Weight (without controller)	approx. 25 kg
Marking speed (depending on character size and shape, marking process and motorisation)	up to 6 characters/ second
Font 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 Other fonts are optional
Special signs, logos	according to specification
Marking direction	straight line, angle or circular arc
<b>Power supply</b>	
Power supply with connecting cable	230 V AC ± 10 %, 50/60 Hz or 115 V AC ± 10 %, 50/60 Hz switchable
Pneumatic connection (supply pressure) technically provided compressed air	At least 5 bar dried, oil-free, filtered with 50 µm
Working pressure (marking pressure)	At least 2 bar up to max. 4 bar

Technical details are subject to change.

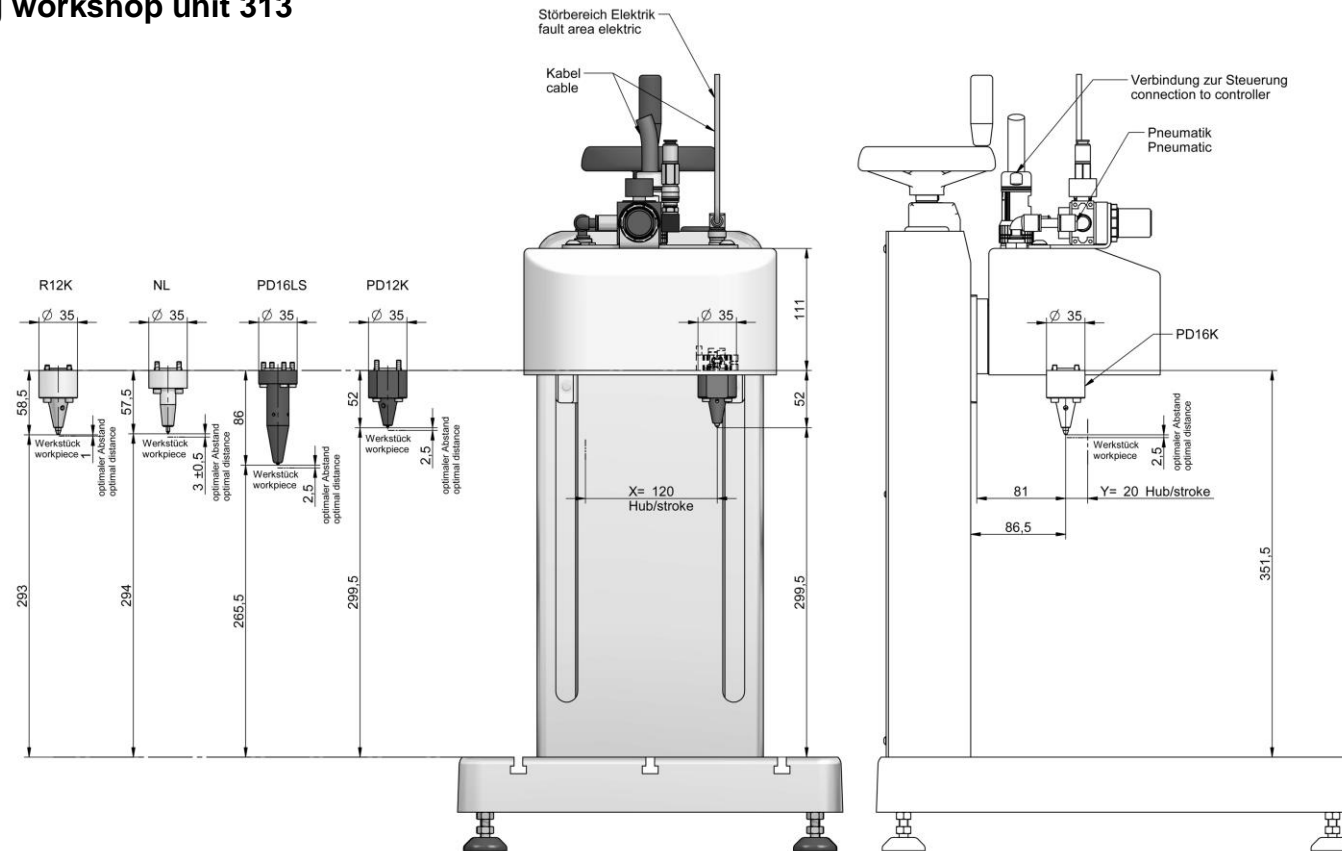


Workpiece support for flat workpieces



Prism holder for round workpieces are optional

## Drawing workshop unit 313



Dimensions in mm

Technical details are subject to change.

Date: August 2015

