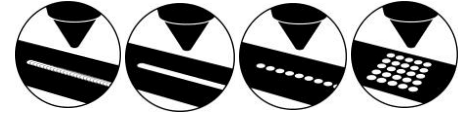




## Built-in marking unit 314

### Technical data sheet



- Marking area 80 x 50 mm (X/Y)
- Available marking technologies: scribe, stylus or dot marking
- DataMatrix coding (ECC 200)
- Powerful, compact and robust marking unit for flexible markings on workpieces
- 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, or EG2-Box with electric adjustment unit, protection class IP 54



### Application area

The built-in marking unit 314 can be integrated in production lines as well as in stand-alone cells. The marking unit can also be mounted on other holding devices provided by the customer for example in production systems. The connection to a superordinate control (for example SPS) for data transfer or to control the marking process including emergency stop functions is possible.

Standard delivery is with LDM Macro Software. Optionally VisuWin SE and VisuWin PRO PC software are available.

### Options

- Pneumatic or electric adjustment unit (only in conjunction with EG2-Box)
- Surface detection (only in conjunction with electric adjustment unit)





## Technical data

Property	Measure, Unit, Explanation
Dimensions marking unit	268 x 220 x 160 mm
Marking area (X/Y)	80 x 50 mm
Weight (without controller)	approx. 6.8 kg
Marking speed (depending on character height and shape, marking head and marking process)	up to 6 characters/ second
Character height	from 1 mm (enhancing in 0.1 mm steps)
Documentation	German, English More languages are optional
Penetration depth marking tip (depending on material, marking head and marking process)	approx. 0.01 – 0.5 mm
Font	DIN 1451, 7 x 5 stylus, scribe, dot marking DataMatrix Other fonts are optional
Marking direction	Straight line, angle or circular arc
Working pressure (marking pressure)	according to specification

### Power supply

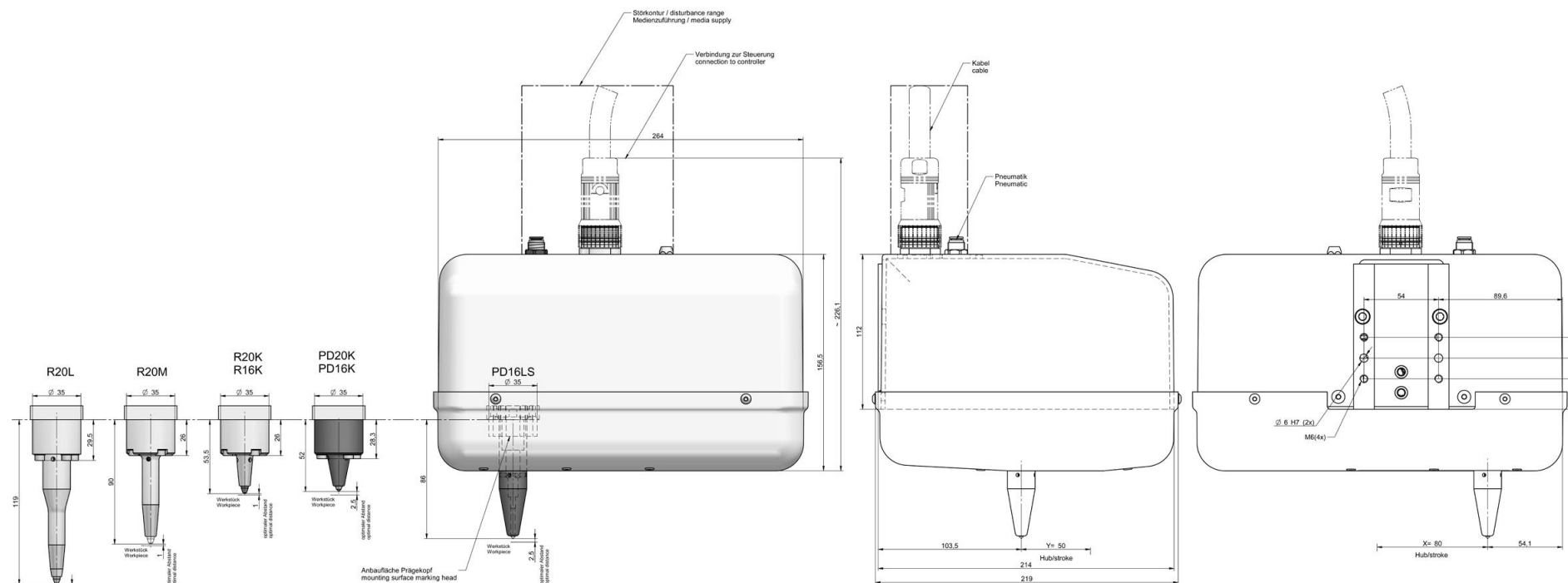
Power supply with connecting cable	230 V AC $\pm$ 10 %, 50/60 Hz or 115 V AC $\pm$ 10 %, 50/60 Hz switchable
Pneumatic connection (supply pressure) technically provided compressed air	At least 5 bar dried, oil-free, filtered with 50 $\mu$ m
Working pressure (marking pressure)	at least 2 bar up to max. 4 bar

Technical details are subject to change.





## Drawing built-in unit 314 with contact protection

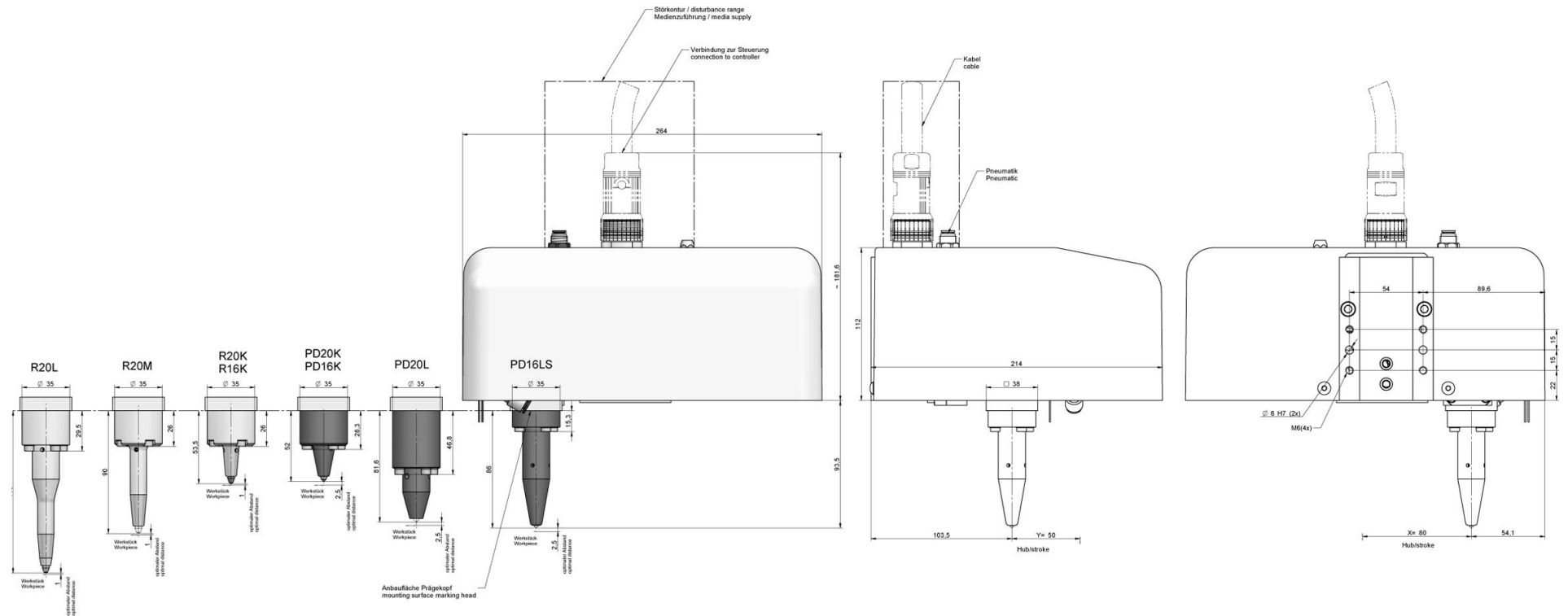


Dimension in mm

Technical details are subject to change

Date: October 2015

## Drawing built-in unit 314 without contact protection



Dimension in mm

Technical details are subject to change

Date: October 2015