Handheld marking unit 313

Technical data sheet

- Marking area size 120 x 20 mm (X/Y)
- Different marking processes: Stylus, dot-peening marking and Vibropeening
- DataMatrix codings (EC200)
- Compact and solid marking unit for the flexible marking of components
- Robust ballscrews and carriages with revolving ball guides in both axes
- Drive with powerful stepper motors

EK2 box control (marking controller):

- Universal 2-axis marking controller in compact housing
- With integrated membrane keyboard and 4-line display
- Protection class IP 53
- Dimensions: 220 x 144 x 82 mm (L x W x H)
- Included in the scope of delivery

Application area

This easily transportable marking unit to be hand-operated for dot-peening matrix lettering and DataMatrix coding is suitable for many areas of trade and industry, in which legible markings are required on materials such as steel and aluminium. Thanks to its good ergonomic properties and easy operation, the marker is excellently suited for use in workshops, quality assurance and warehouse management. The 313 marker is a mobile marking system and is manually operated. Single-line or multi-line marking is also possible in larger character heights. The 313 mobile marking system is also available with table and column as a stationary workshop unit.

As a lightweight with approx. 4.5 kg, the mobile marker 313 sets new standards. It provides a large marking area of 120 x 20 mm. Quick-change, optional workpiece supports enable adaptation to almost all workpiece geometries.

The compact marking controller offers extensive possibilities for data input via PC, barcode scanner, PLC or the integrated membrane keyboard. It is also used for the simple creation and selection of marking jobs. The character heights and font width can be freely scaled.

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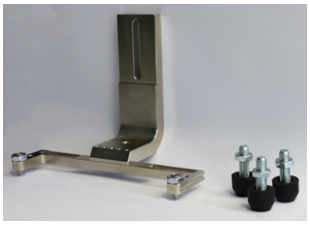
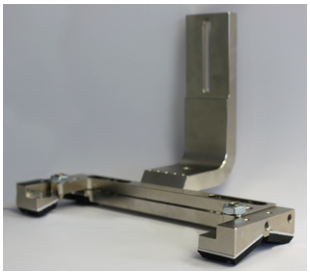
Options

- Table and column with mechanical quick-change unit with fine adjustment (Z-axis)
- Application-dependent positive stop
- Covering of the underside of the marker with a dirt cover

313 optional with table and column
Fig. with EK2 box controller



Positive stop for flat components



Prism attachment for round components optional

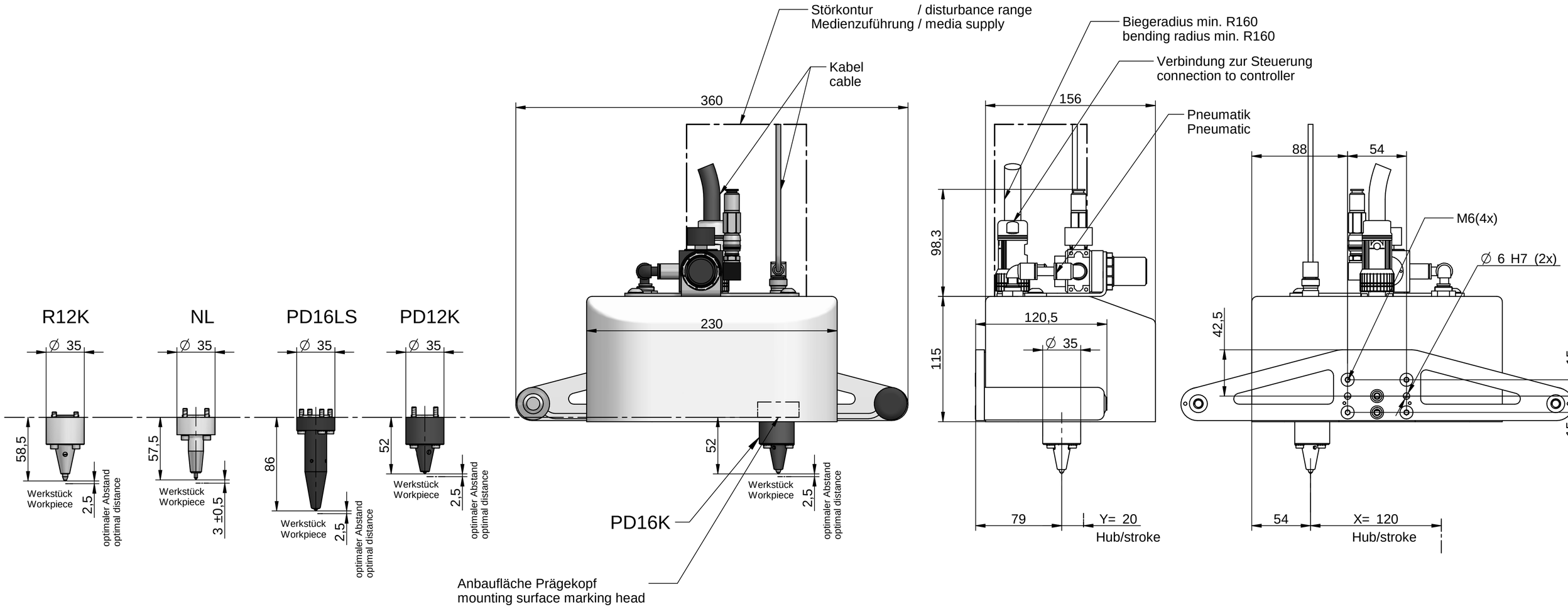
Technical data

Properties	Dimensions, unit, explanation
Dimensions of marking unit (W x D x H)	360 x 166 x 213 mm (without built-in parts)
Marking area size (X, Y)	120 x 20 mm
Weight of the marking unit	Approx. 4.5 kg
Marking speed (depending on character height and form, marking process and motorisation)	Up to 6 characters/second
Character height	from 1 mm (in 0.1 mm steps)
Documentation	German, English or French Other languages optional
Marking tip penetration depth (depending on the material to be marked, marking head and marking process)	Approx. 0.01 – 0.5 mm (see marking head data sheet)
Font	DIN 1451, 7 x 5 dot-peening, stylus marking, Vibropeening, DataMatrix code Other fonts optional
Special characters, logos	Optional according to the template
Writing direction	Straight, angled or circular

Media supply	
Voltage supply via power supply unit With connection cable	230 V AC ± 10 %, 50/60 Hz or 120 V AC ± 10 %, 50/60 Hz, switchable
Compressed air connection (supply pressure) With technically conditioned compressed air	Min. 5 bar (min. 75 psi) Dried, oil-free, filtered with 50 µm
Working pressure (marking pressure)	Min. 2 bar up to max. 4 bar (30 psi to max. 60 psi)

Subject to technical changes.

313T Basiseinheit + Handgriff + Prägeköpfe
313T base unit + hand grip + marking head



Maßangaben/dimensions in mm,
Technische Änderung vorbehalten
technical modifications reserved

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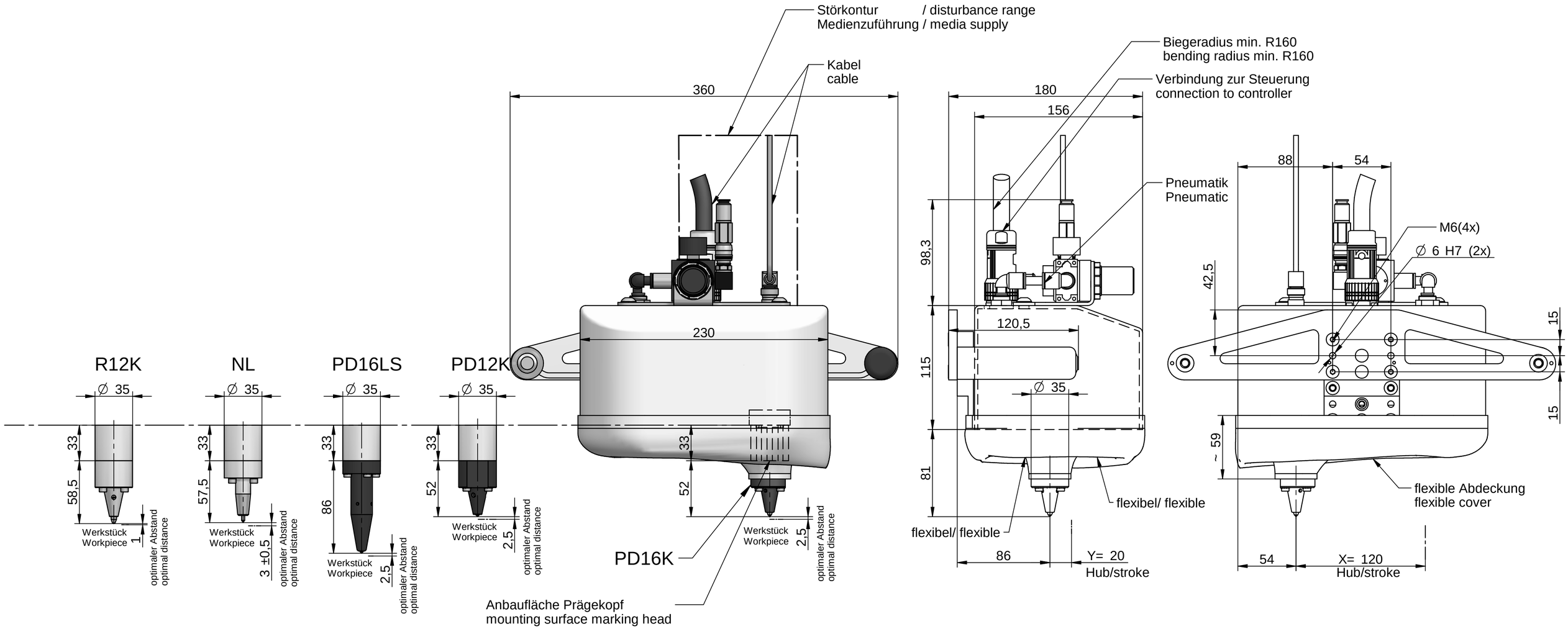
313T Basiseinheit + Handgriff + Schmutzabdeckung + Prägeköpfe
313T base unit + hand grip + dirt cover + marking head



Maßangaben/dimensions in mm,
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