

## Built-in 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)
- 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 keyboard and display, protection class IP 54



### Application area

The compact 312 model can be integrated in production lines as well as in stand alone cells. Standard delivery is with LDM MACRO software. As an option is the "VisuWin SE" as well as "VisuWin PRO" PC software available.

### Options

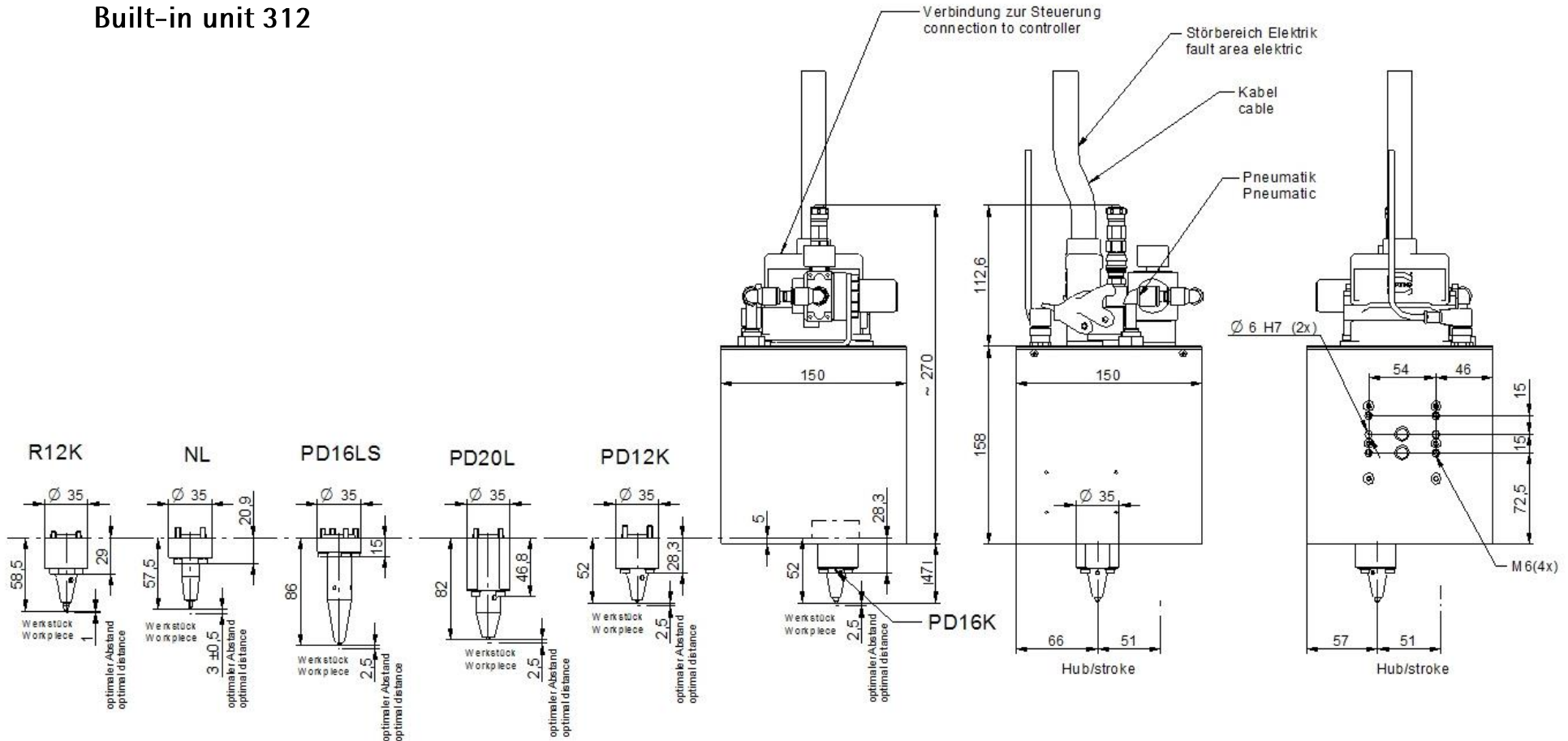
- Counter bracket, depending on application
- Pneumatic infeed slide (50 mm, 80 mm or 100 mm range)
- Mechanical quick-change unit with fine adjustment (Z-position)
- Dust protection bellow at the bottom of the marking unit

## Technical Data

| Property  | Measure, Unit, Explanation  |
|---|---|
| • Measurements marking unit (W x D x H)   | 150 x 150 x 270 mm<br>(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)                                       |
| • Mounting position   | any selectable  |
| • Documentation   | German, English or French<br>(more languages are optional)                  |
| • Penetration depth marking tip (depending on marking head, marking process and material)   | ca. 0.01 – 0.5 mm<br>(see data sheet marking heads)                         |
| <b>Media supply</b>   |   |
| • Power supply with connecting cable  | 230 V AC $\pm 10\%$ , 50/60 Hz or<br>115 V AC $\pm 10\%$ , 50/60 Hz         |
| • Pneumatic connection (input pressure) technically conditioned compressed air              | Min. 5 bar (min. 75 psi)<br>dried, oil-free, filtered with 50 $\mu\text{m}$ |

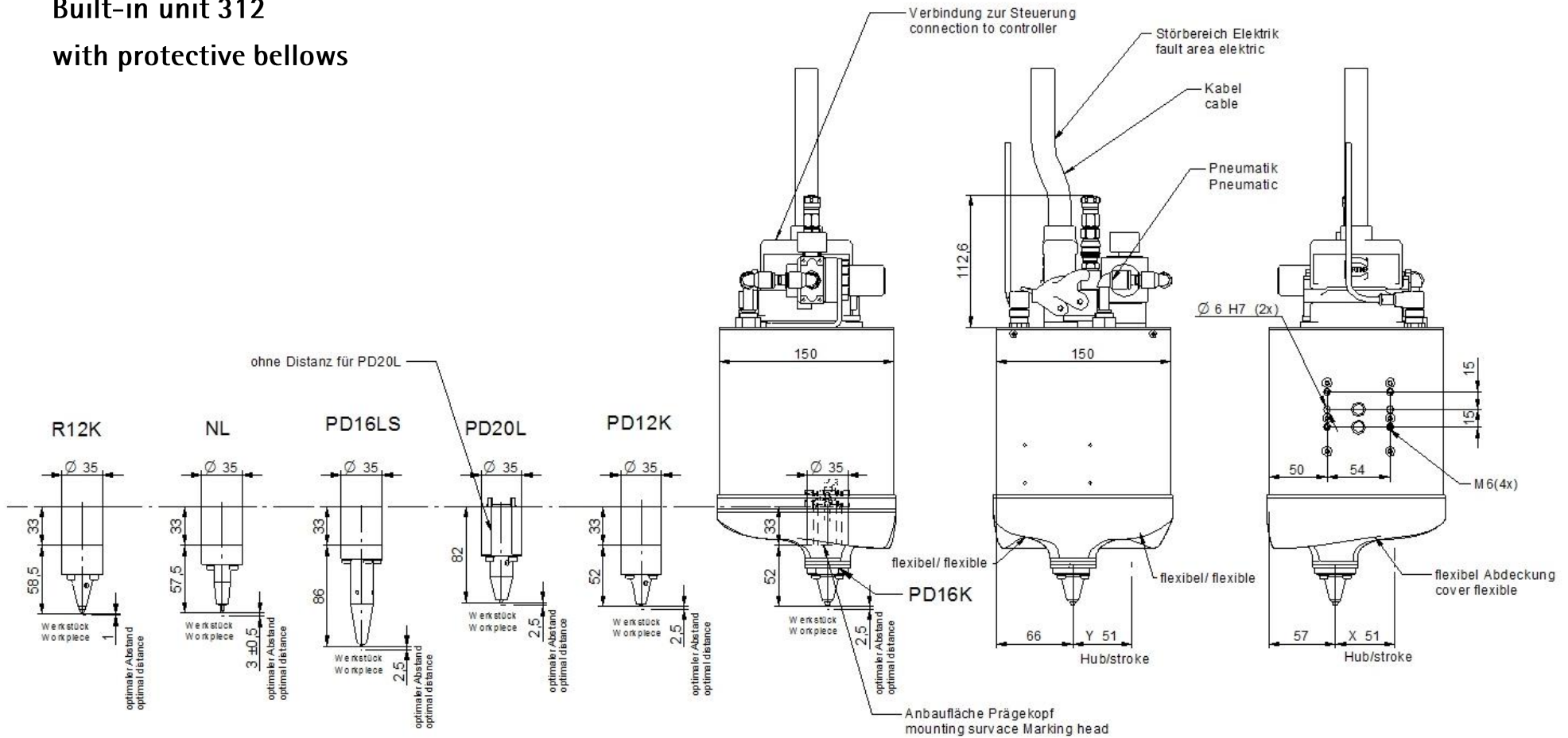
Technical details are subject to change.

**Built-in unit 312**



Dimensions in mm.  
 Technical details are subject to change.  
 November 2013

## Built-in unit 312 with protective bellows



Dimensions in mm.  
Technical details are subject to change.  
November 2013