







-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Built-in unit 317

Technical data sheet

- Marking area size 120 x 25 mm (X/Y)
- Different marking processes: Scribe, stylus, dot-peening and Vibropeening
- DataMatrix coding (EC200)
- Powerful, compact and sturdy 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

The 317 built-in unit can be integrated both in compact production lines and in manual workstations. The marker unit can also be mounted on other customer-provided supports or production systems. It is possible to connect the system to higher-level controller (PLC, for instance) for data transmission and control the marking process, including emergency stop functions.

The 317 model is supplied with the LDM Makro software as standard. The PC software programs VisuWin SE and VisuWin PRO are also available as an option.

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Options

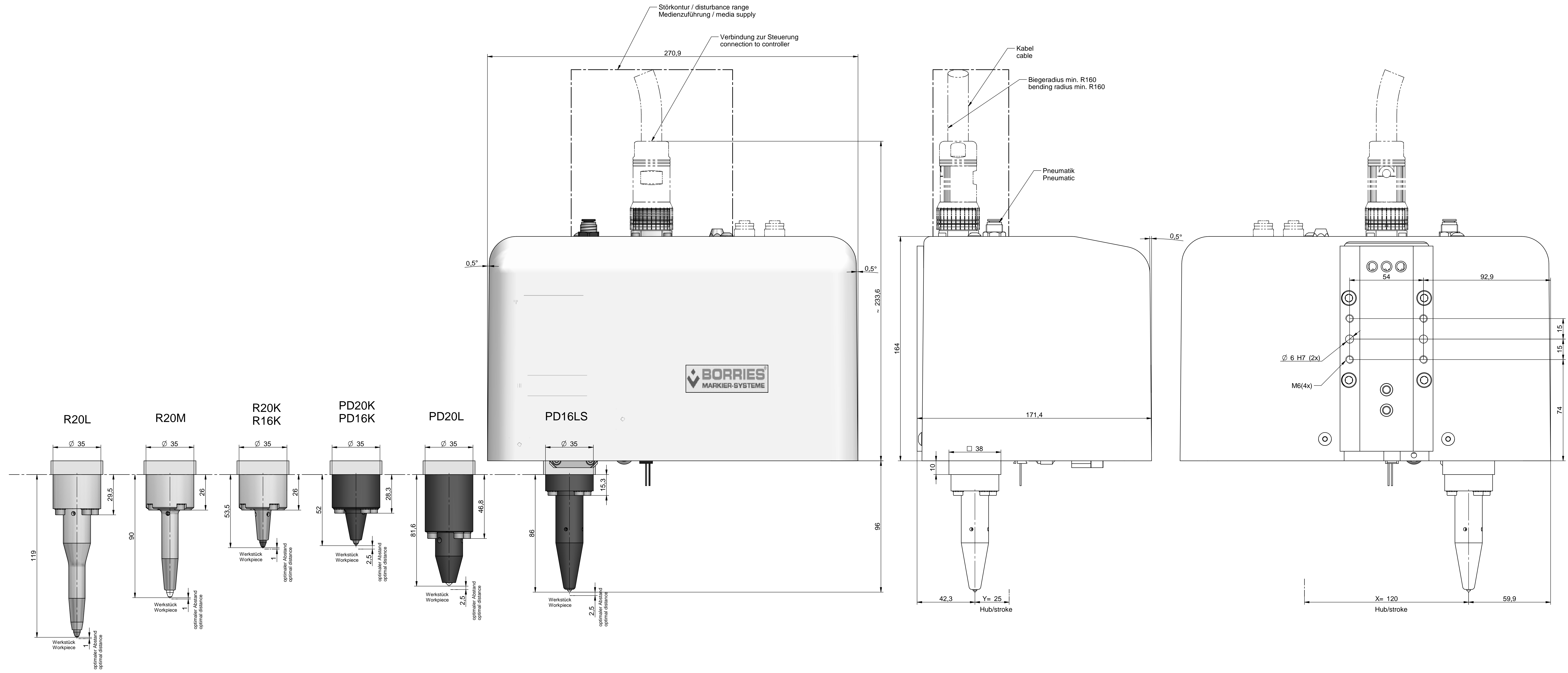
- Pneumatic adjustment unit
- Electrical adjustment unit (only in combination with the EG2 box)
- Surface touch-on (only in combination with an electrical adjustment unit)

Technical data

| Property | Dimensions, unit, explanation |
|--|--|
| Dimensions of marking unit (W x D x H) without built-in parts | 268 x 168 x 220 mm |
| Marking area size (X/Y) | 120 x 25 mm |
| Weight (without controller) | Approx. 5.5 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 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 |
| Font | DIN 1451, 7 x 5 dot-peening, scribe marking, stylus marking, Vibropeening DataMatrix code Other fonts optional |
| Writing direction | Straight, angled or circular |
| Special characters, logos | Optional according to the template |
| Media supply | |
| Voltage supply via power supply unit | 230 V AC \pm 10 %, 50/60 Hz or |
| With connection cable | 120 V AC \pm 10 %, 50/60 Hz, switchable |
| Compressed air connection (supply pressure) | Min. 5 bar (min. 75 psi) |
| With technically conditioned compressed air | Dried, oil-free, filtered with 50 μ m |
| Working pressure (marking pressure) | Min. 2 bar up to max. 4 bar (30 psi to max. 60 psi) |

Subject to technical changes.

317A Basiseinheit + Prägeköpfe
317A base unit + marking head



317A Basiseinheit + Eingriffschutz +Prägeköpfe
317A base unit + finger protection + marking head

