







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

Workshop unit 312V

Technical data sheet

- Marking area size 51 x 51 mm (X/Y)
- Different marking processes: Scribe, stylus, dot-peening and Vibropeening
- DataMatrix coding (ECC200)
- Compact and solid workshop unit for flexible component marking
- 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

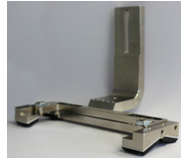
The 312V workshop unit is ideal for a wide variety of applications in trade and industry, in which legible markings are required on materials such as steel and aluminium in the form of dot-peening, DataMatrix codings or simple scribing tasks. Thanks to its simple operation, the device is excellently suited for individual and standard markings, in quality assurance and in warehouse management. Despite its small dimensions, the 312V model offers a writing area of 51 x 51 mm. Single-line or multi-line marking is also possible in larger character heights. Quick-change, optional workpiece supports enable adaptation to almost all workpiece geometries. The EK2 box compact controller offers a wide range of data input options 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.

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

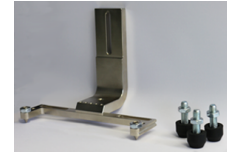
Options

- Covering of the underside of the marker with a dirt cover
- Application-dependent positive stop

Positive stop for round components



Positive stop for flat components

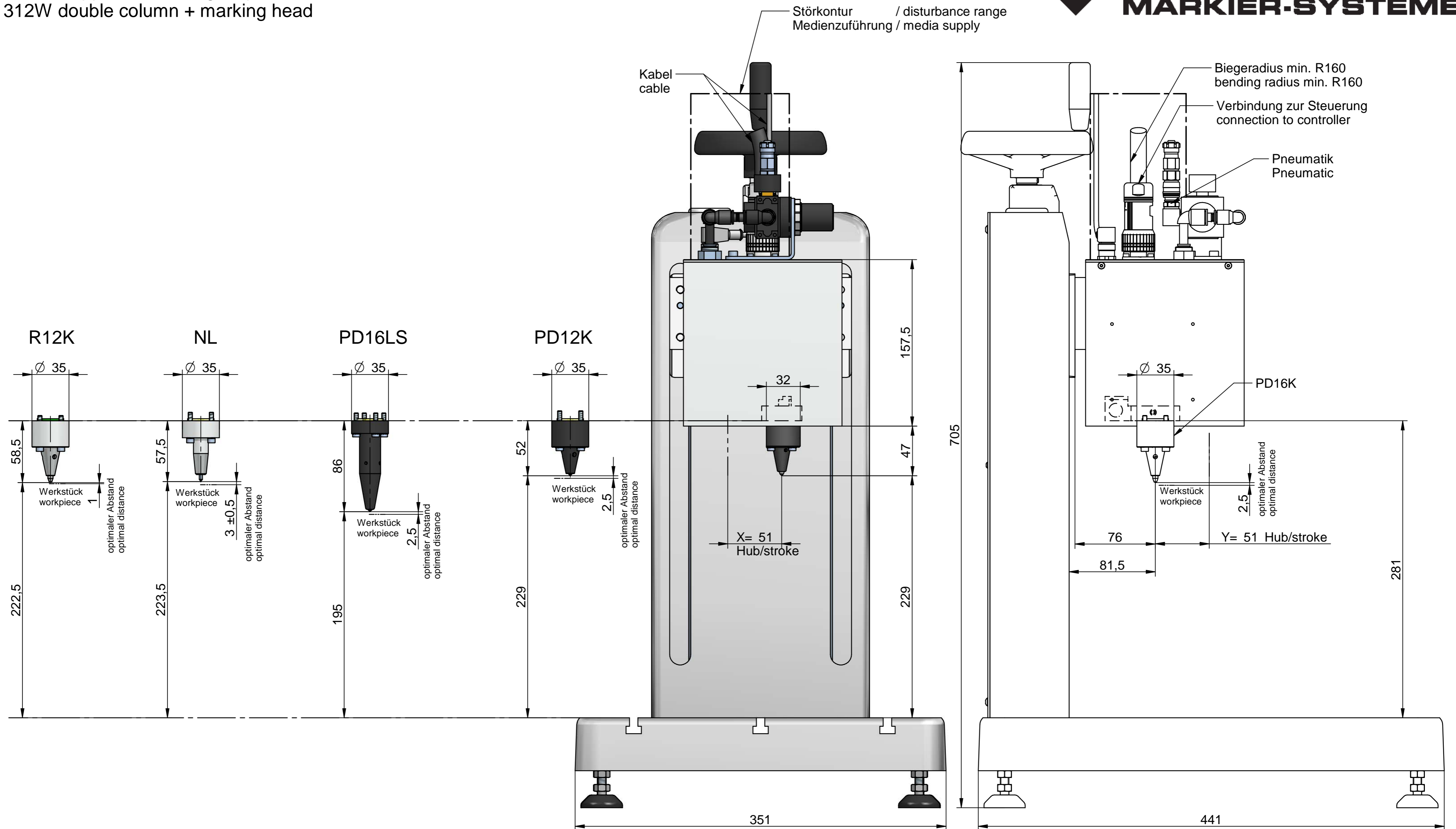


Technical data

| Properties | Dimensions, unit, explanation |
|--|--|
| Dimensions of built-in unit (W x D x H) | 350 x 460 x 705 mm |
| Marking area size (X, Y) | 51 x 51 mm |
| Weight of built-in unit (without controller) | Approx. 24 kg |
| Marking speed (depending on text size 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 process) | Approx. 0.01 – 0.5 mm (see marking head data sheet) |
| Font | DIN 1451, 7 x 5 dot-peening, scribe marking, 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 \pm 10 %, 50/60 Hz or 120 V AC \pm 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 μ m |
| Working pressure (marking pressure) | Min. 2 bar up to max. 4 bar (30 psi to max. 60 psi) |

Subject to technical changes.

312W Doppelsäule+ Prägeköpfe
 312W double column + marking head



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

Stand: 05. 2023 / A2
 833.0220.005