



320 workshop unit

Technical data sheet

- Marking area 120 x 100 mm (X/Y)
- Available marking technologies: scribe and dot marking
- DataMatrix coding (ECC200)
- Universal and flexible marking unit for direct part marking
- Designed for individual and small batch production
- X/Y-axes of the coordinate unit with precise linear slides
- Drive with stepping motors and bell spindle drives



Application area

The workshop unit 320 is a compact marking unit for permanent and flexible markings on almost every material. This BORRIES product offers the best technology in a low-wear and low maintenance design for an unrivalled competitive price. The large marking area offers the opportunity to mark single or multi line texts, in free scalable size. Angle and circulate markings are also possible as well as date, time and consecutive numeration. The marking data can be entered easily via the included BORRIES marking software VisuWin SE. A graphical user interface enables a quick installing and adapting of marking pictures (layouts).



Options

- Manual plate module
- The optional touchscreen 12.1" with BORRIES marking software VisuWin SE or the optional membrane keyboard with integrated display and the BORRIES marking software LDM Makro are easy and quick ways of entering the marking data.



320 workshop unit with manual plate module



320 workshop unit with integrated display





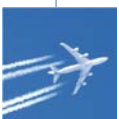
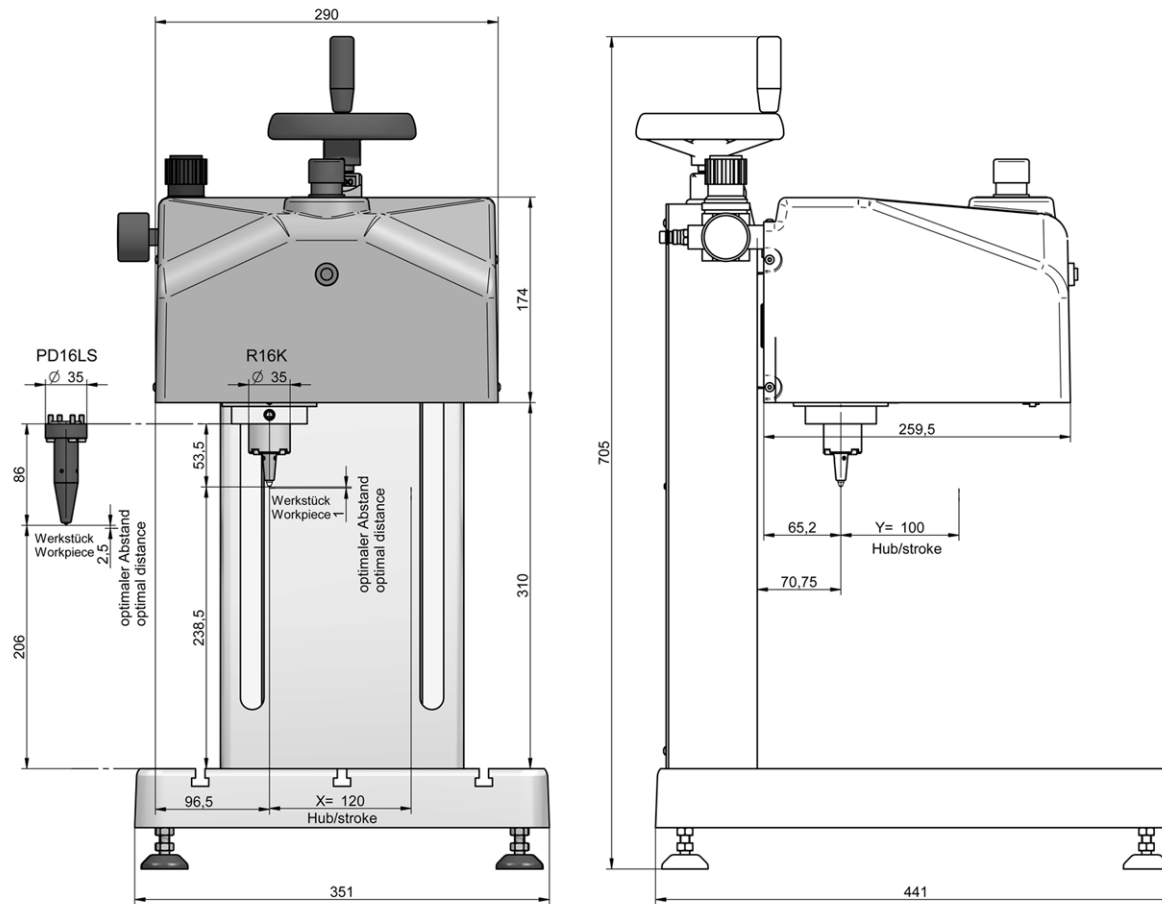
Technical data

| Property | Measure, Unit, Explanation |
|---|--|
| Dimension workshop unit (W x D x H) | 350 x 460 x 705 mm |
| Marking area (X,Y) | 120 x 100 mm |
| Weight | approx. 33 kg |
| Marking speed (depending on character size and shape, marking process and motorization) | approx. 1 – 3 characters/ second |
| Character height | free scalable from 0,5 mm |
| Documentation | German or English More languages are optional |
| Penetration depth marking tip (depending on material, marking head and marking process) | approx. 0,01–0,2 mm (see data sheet marking heads) |
| Font | DIN 1451, 7 x 5 dot marking Data Matrix code Other fonts, special signs and logos are optional |
| Marking direction | Straight line, angle or circular arc |
| Option: manual plate module | for plates up to 120 x 100 mm |
| Requirements PC/operating system | CPU min. 1.5 GHz, min. 1024 MB Ram, min. 100 MB free space on the hard drive, interfaces: network, optional USB 2.0 or serial interface for barcode scanner, operating system Windows XP, Windows 7, Windows 8.1 |
| Option: 12.1" TFT LCD PanelPC | 1024 x 768 Resistive Touch Screen, 1.6 GHz CPU, 1GB DDR RAM, external power supply 230V/25W |
| Option: barcode scanner (connection to PC) | Code 39 (preset) Transmission STX/ETX (preset) |
| Power supply | |
| Power supply with connecting cable | 230 V AC ± 10 %, 50/60 Hz or 115 V AC ± 10 %, 50/60 Hz switchable |
| Pneumatic connection (supply pressure) technically provided compressed air | At least 5 bar dried, oil-free, filtered with 50 µm |
| Working pressure (marking pressure) | at least 2 bar up to max. 4 bar |



Technical details are subject to change.

Drawing 320 workshop unit



- Conventional Marking Technology
- Stylus-/ Scribe Marking Technology
- Type wheel Marking Technology
- Laser Technology
- Traceability
- Special-Purpose Machines

Drawing 320 workshop unit with integrated display

