317 VIN marking unit

Technical data sheet

- Powerful, compact and sturdy marking unit for the marking of VIN numbers in small series, pilot or SKD/CKD production
- Ideally suited as a back-up or repair device in large-scale production
- Scribe marking according to international automotive industry standards in terms of scribe depth and font norm
- Ergonomic, low-noise: Typical noise level of 74 dB(A) due to the integrated touch-on function of the scribe stylus
- Marking area 120 x 25 mm (X/Y) suitable for 2-line marking
- Heavy-duty, low-wear scribe stylus made of synthetic diamond with extremely long service life
- Robust version, easy integration and adaptation to the model-specific marking positions using a quick-change clamping device on a standardised mount
- Coding of the devices possible
- Drive with powerful, highly dynamic stepper motors
- Connections available for keyboard, barcode reader, Ethernet and fieldbus systems
- Operation as a standalone device or with PC/notebook, multilingual software
- Password protection for operating and set-up functions
- Optional double number control and verification of the VIN according to Modulo 11
- Configurable format check of the VIN number per vehicle model
- Double reading of data with data comparison function to minimise incorrect readings
- Switchable soft encoder to ensure marking quality

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BMC controller (BORRIES marking-controller)

- Universal 2-/3-axis marking controller in compact housing
- With integrated full-graphic 10" touch display
- Dimensions: 355 x 225 x 236 mm
- Included in the scope of delivery

Area of application

Due to its unique ergonomic properties and simple operation, the device is ideal for mobile use. The 317 marking machine is available with different handles for more flexible adaptation and handling.

As a lightweight with 5.5 kg (without controller, pneumatic and clamping device), the unit sets new standards. With its small dimensions, it provides a large marking area of 120 x 25 mm. Adaptation to almost all vehicle geometries is possible via quick-change, optional clamping devices. The compact BMC marking controller offers extensive possibilities for data input via PC, barcode scanner or PLC. This is also used to easily create and select the model-dependent marking jobs.

Options

- Vehicle-dependent clamping devices with manual, pneumatic or magnetic clamping

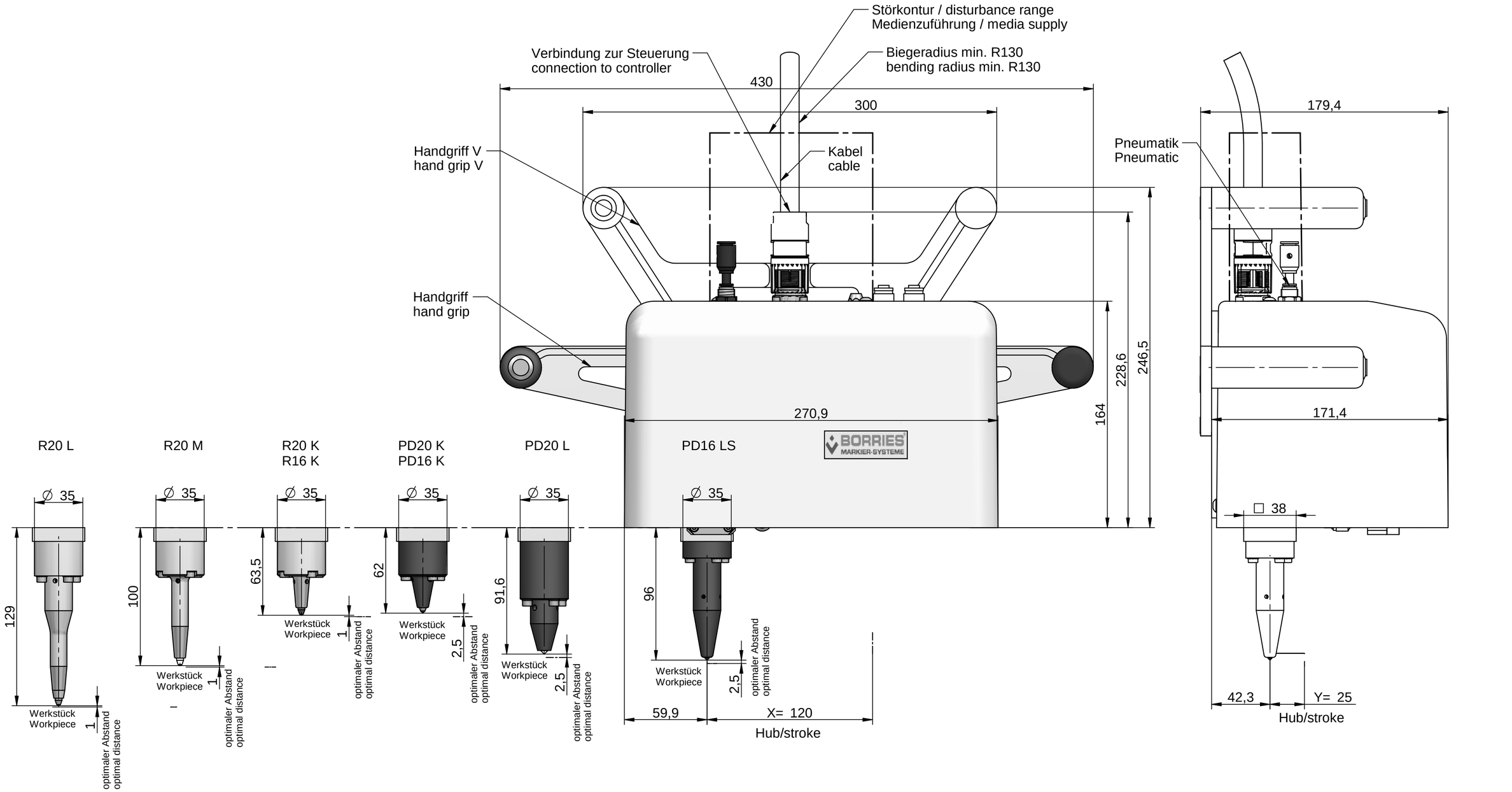
Technical data

Property	Dimensions, unit, explanation
Dimensions of marking unit (W x D x H)	
Without grip	268 x 168 x 220 mm
With grip	430 x 178 x 220 mm
Marking area size (X/Y)	120 x 25 mm
Weight (without controller, pneumatic and clamping device)	
Without grip	Approx. 5.5 kg
With grip	Approx. 6 kg
Marking speed	Approx. 1 character/second with a character height of 7 mm
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. 0.15 – 0.25 mm
Font	DIN 1451, OCR, customer-specific scribe marking typeface
Writing direction	Straight, angled or circular
Special characters, logos	As per specifications

Media supply	
Power supply via BMC with connection cable	Wide-range power supply integrated in the controller
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.

317T Basiseinheit + Handgriffen + Prägeköpfe
317T base unit + hand grip + marking head



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

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