

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

317 Built-in unit

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



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

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 VisuMark 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
- 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 Data Matrix code Other fonts optional
Writing direction	Straight, angled or circular
Special characters, logos	Optional according to the template

Media supply

Power supply via BMC with connection cable	Wide-range power supply integrated in the controller
Compressed air connection (supply pressure)	Min. 5 bar (min. 75 psi)
With technically conditioned compressed air	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.



