

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

314 Built-in unit

Technical data sheet

- Marking area 80 x 50 mm (X/Y)
- Independent installation position
- Different marking processes: Scribe, stylus, dot-peening and Vibropeening
- DataMatrix coding (EC200) possible
- Powerful, compact and sturdy marking unit for the flexible marking of components
- Robust ballscrews and carriages with revolving ball guide in the two axes
- Drive with powerful stepper motors



Fig. The 314 built-in unit without access protection



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 314 built-in unit can be integrated in manual workstations. Mounting in a holding device provided by the customer or in a compact production line is also possible.

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 314 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)
- Access protection (sturdy dirt cover)



Fig. of access protection



Fig. The 314 built-in unit with access protection

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Technical data

Property	Dimensions, unit, explanation
Dimensions of marking unit (W x D x H) without built-in parts	268 x 220 x 160 mm
Marking area size (X/Y)	80 x 50 mm
Weight (without controller)	Approx. 6.8 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) 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.



