

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

312 Built-in unit

Technical data sheet

- Marking area 65 x 51 mm (X/Y)
- Different marking processes: Scribe, stylus, dot-peening and vibropeening
- Data Matrix coding (ECC200)
- Compact and solid built-in unit as component marking
- 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 312 built-in unit is integrated into compact production lines. It is suitable for marking plain text and Data Matrix codings in steel or aluminium. Simple scribing tasks are also possible. The marking unit is delivered as standard with the VisuMark software. Default settings for this are printer and layout mode. The PC software programs VisuWin SE and VisuWin PRO are also available as an option.

Options

- Pneumatic adjustment unit (50 mm, 80 mm or 100 mm stroke)
- Electrical adjustment unit (100 mm stroke)
- Component probing using stylus tip (in combination with the electrical adjustment unit only)
- Covering of the underside of the marker with a dirt cover

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Technical data

Properties	Dimensions, unit, explanation
Dimensions of built-in unit (W x D x H)	150 x 150 x 270 mm (without marking head)
Marking area size (X, Y)	65 x 51 mm
Weight of built-in unit (without controller)	Approx. 4 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)
Installation position	Freely selectable
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 BMC supply unit 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.



