







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

Built-in unit 314

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



EK2 box control (marking controller):

- Universal 2-axis marking controller in compact housing
- With integrated membrane keyboard and 4-line display
- Protection class IP 53
- Dimensions: 220 x 144 x 82 mm (L x W x H)
- Included in the scope of delivery









Application area

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 LDM Makro 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 (only in combination with the EG2 box)
- 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, DataMatrix code Other fonts optional
Writing direction	Straight, angled or circular
Special characters, logos	Optional according to the template
Media supply	
Voltage supply via power supply unit	230 V AC \pm 10 %, 50/60 Hz or
With connection cable	120 V AC \pm 10 %, 50/60 Hz, switchable
Compressed air connection (supply pressure)	Min. 5 bar (min. 75 psi)
With technically conditioned compressed air	Dried, oil-free, filtered with 50 μ m
Working pressure (marking pressure)	Min. 2 bar up to max. 4 bar (30 psi to max. 60 psi)

Subject to technical changes.

314A Basiseinheit + Prägeköpfe
314A base unit + marking head

