

Built-in unit 322

Technical data sheet

- Built-in unit for marking technologies: scribe, stylus, dot marking and DataMatrix coding (ECC200)
- Marking areas 100 x 100 mm, 100 x 50 mm, 40 x 50 mm, 150 x 100 mm, 150 x 150 mm, 250 x 150 mm (X/Y) – other sizes possible
- Dimensionally stable base body made out of aluminium cast
- Ball bearing spindles and carriage with circular ball track in both marking axes
- Compact, low-maintenance design
- Drive with powerful stepping motors
- Large selection of marking heads and marking tools



Application area

The built-in unit 322 is a highly robust device for 3-shift operation. All components of this coordinate unit have been developed for regular use and are continuously tested to ensure a constant quality. Together with a marking head and a controller this marker is integrated as a built-in unit in our special systems or by system producers for direct workpiece marking, e.g. in transfer lines, production machines or gauging and testing stations. The marking head is directly mounted underneath the coordinate unit.

Options

- On the site of the marking head the marking mechanics are covered with bellow for dust cover or plate covering (plate covering is only possible for 100 x 50 mm / 100 x 100 mm)
- Huge diversity of marking areas
- Electric adjustment unit (150 mm stroke)
- Pneumatic adjustment unit (50 mm and 100 mm stroke)
- Surface detection for dot marking / DataMatrix marking heads (only in conjunction with electric adjustment unit)



322 with bellow





Technical data

Property	Measure, Unit, Explanation
Dimensions built-in unit marking area (X/Y) 100 x 100 mm (W x D x H)	325.5 x 255 x 173 mm (without marking head)
Dimensions built-in unit marking area (X/Y) 100 x 50 mm (W x D x H)	325.5 x 205 x 173 mm (without marking head)
Optional: dimensions built-in unit marking area (X/Y) 40 x 50 mm (W x D x H)	266.5 x 205 x 173 mm (without marking head)
Optional: dimensions built-in unit marking area (X/Y) 150 x 100 mm (W x D x H)	393.5 x 255 x 163 mm (without marking head)
Optional: dimensions built-in unit marking area (X/Y) 150 x 150 mm (W x D x H)	394 x 330 x 163 mm (without marking head)
Optional: dimensions built-in unit marking area (X/Y) 250 x 150 mm (W x D x H)	474 x 325 x 163 mm (without marking head)
Optional: other marking areas (X/Y)	
Weight of the marking unit (depending on stroke)	approx. 14 kg
Marking speed (depending on character size and shape, marking process and motorisation)	up to 10 characters / second (see marking times spreadsheet)
Fast motion speed	up to 0.5 m / second
Character height	from 0.5 mm (enhancing in 0.1 mm steps)
Documentation	German or English other languages are optional
Penetration depth marking tip (depending on material, marking head and marking process)	approx. 0.01 – 0.5 mm (see data sheet marking heads)
Noise level with scribe markers	max. 75 dB(A) (depending on workpiece)
PN-supply (regulator and sensor)	on-site mounting optional on separate aluminium plate
Pneumatic components	Festo
Drive	stepping motors
Option: fold bellow	on request
Option: cover plate/ chippings protection	on request
Media supply	
Power supply with connecting cable	230 V AC \pm 10 %, 50/60 Hz or 115 V AC \pm 10 %, 50/60 Hz switchable
Pneumatic connection (input pressure) technically conditioned compressed air	Min. 5 bar (min. 75 psi) dried, oil-free, filtered with 50 μ m

Technical details are subject to change.

