

## Workshop unit 322

### Technical data sheet

- Universal and flexible marking unit for direct part marking
- Designed for continuous use
- Stable, long life and low-maintenance machine design
- Marking area 100 x 100 mm (X/Y)
- X/Y-axes of the coordination unit with high precision polished linear slides
- Drive is provided by powerful stepping motors and robust ball spindle drives
- Available marking processes: scribe, stylus, dot or DataMatrix marking



### Application area

The workshop unit 322 is a name plate marking unit and is used for very deep markings for marking individual components, prototypes and limited-lot productions.

### Options

- Electrical Z-axis
- Different marking areas due to module design
- Probing for dot/ DataMatrix marking heads
- Customised logos and special characters
- Special machines with semi or fully automatic part handling
- Panel-PC

## Technical Data

Property	Measure, Unit, Explanation	CO*	A0*
• Dimensions of the marking unit with table and column	see dimensional drawings	X	
• Adjustment range of marking unit (Z-direction)	max. 200 mm (manually)		
• Dimensions of marking unit with marking area (X, Y) of 100 x 100 mm (W x D x H)	350 x 440 x 640 mm (without marking head)	X	
• Dimensions of marking unit with marking area (X, Y) of 150 x 100 mm (W x D x H)	350 x 440 x 640 mm (without marking head)		X
• Weight of marking unit	ca. 40 kg		
• Marking speed (depending on character size and shape, marking process and motorisation)	up to 10 characters/ second (see marking times spread-sheet)		
• Fast motion speed	up to 0.5 m/sec		
• Character height	from 0.5 mm (enhancing in 0.1 mm steps)		
• Documentation	German, English or French more languages	X	X
• Penetration depth marking tip (depending on marking head, marking process and material)	ca. 0.01 – 0.5 mm (see data sheet marking heads)		
• Noise level with scribe markers	max. 75 dB(A) (depending on workpiece)		
• Position of reference point	see drawings	X	
• Colour of bonnet	RAL 7035, grey	X	
• Drive	high dynamic stepping motors	X	
• Electrical Z-axis	on request		X
• Fold-bellow	on request		X
• Panel-PC	On request		X
<b>Media supply</b>			
• Power supply with connecting cable	230 V AC $\pm 10\%$ , 50/60 Hz or 115 V AC $\pm 10\%$ , 50/60 Hz		
• Pneumatic connection (input pressure) technically conditioned compressed air	Min. 5 bar (min. 75 psi) dried, oil-free, filtered with 50 $\mu\text{m}$		

\*) CO = construction option, will be defined by placing of order – no additional charge; AO = additional option, can be ordered additionally – additional charge

Technical details are subject to change.



Workshop unit 322  
with Panel-PC