

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 or 100 x 50 mm
- 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 marking individual components, prototypes and limited-lot productions.

Options

- Heavy duty design for very deep markings
- Probing for dot/ DataMatrix marking heads
- Regulated servo-motors
- Customised logos and special characters
- Different marking areas due to module design
- Electrical Z-axis
- Special machines with semi or fully automatic part handling

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)	325 x 255 x 163 mm (without marking head)	X	
• Dimensions of marking unit with marking area (X, Y) of 100 x 50 mm (W x D x H)	325 x 205 x 163 mm (without marking head)	X	
• Dimensions of marking unit with marking area (X, Y) of 40 x 50 mm (W x D x H)	251 x 163 x 205 mm (without marking head)		X
• Dimensions of marking unit with marking area (X, Y) of 150 x 100 mm W x D x H)	393 x 255 x 163 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)		
• Operating pressure	2 - 6 bar		
• 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. 74 dB(A) (depending on workpiece)		
• Input supply voltage	115 or 230 V		
• Position of reference point	see drawings	X	
• Supply and control lines	see drawings	X	
• Supply and control lines	outgoing on the right side		X
• PN-supply (regulator and sensor)	on-site mounting	X	
• PN-supply (regulator and sensor)	on separate aluminium plate		X
• Pneumatic components	Festo	X	
• Colour of bonnet	RAL 7035, grey	X	
• Heavy duty design for high forces: double slides and strong motors	necessary from marking head R20M		X
• Drive	stepping motors	X	
• Servo-motors	controller with regulated amplifiers necessary (only in connection with 19"/ 84TE)		X
• Electrical Z-axis	on request		X
• Fold-bellow	on request		X
• Cover plate/ chippings protection	on request		X

*) 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.