Workshop unit 322
Technical data sheet

- Universal and flexible marking unit for direct part marking
- Designed for continuous production
- Stable, long life and low-maintenance machine design
- Available marking technologies: scribe, stylus, dot marking or DataMatrix marking
- Marking area 100 x 100 mm (X/Y)
- X/Y-axes of the coordinate unit with high precision polished linear slides
- Drive with powerful stepping motors and robust ball spindle drive
- Fold bellow as contact and dust protection

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

Options
- Electric adjustment unit (only in conjunction with protection device)
- Different marking areas
- Customized logos and special characters
- Special machines with semi or fully automatic part handling
- Panel-PC (touchscreen 12.1“)
- Circumferential marking unit (different diameters)
## Technical data

<table>
<thead>
<tr>
<th>Property</th>
<th>Measure, Unit, Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x D x H)</td>
<td>350 x 460 x 705 mm</td>
</tr>
<tr>
<td>Adjustment range of the marking unit (Z-direction)</td>
<td>max. 200 mm (manually)</td>
</tr>
<tr>
<td>Weight of the workshop unit</td>
<td>approx. 40 kg</td>
</tr>
<tr>
<td>Marking speed (depending on character size and shape, marking process and motorisation)</td>
<td>up to 10 characters/ second (see marking times spreadsheet)</td>
</tr>
<tr>
<td>Fast motion speed</td>
<td>up to 0.5 m/sec</td>
</tr>
<tr>
<td>Character height</td>
<td>from 0.5 mm (enhancing in 0.1 mm steps)</td>
</tr>
<tr>
<td>Documentation</td>
<td>German or English Other languages are optional</td>
</tr>
<tr>
<td>Penetration depth marking tip (depending on material, marking head and marking process)</td>
<td>approx. 0.01 – 0.5 mm (see data sheet marking heads)</td>
</tr>
<tr>
<td>Noise level with scribe markers</td>
<td>max. 75 dB(A) (depending on workpiece)</td>
</tr>
<tr>
<td>Color of bonnet</td>
<td>RAL 7035, grey</td>
</tr>
<tr>
<td>Drive</td>
<td>high dynamic stepping motors</td>
</tr>
<tr>
<td>Option: electric adjustment unit</td>
<td>on request</td>
</tr>
<tr>
<td>Option: Panel-PC</td>
<td>on request</td>
</tr>
</tbody>
</table>

### Media supply

<table>
<thead>
<tr>
<th>Power supply with connecting cable</th>
<th>230 V AC ± 10 %, 50/60 Hz or 115 V AC ± 10 %, 50/60 Hz switchable</th>
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</thead>
<tbody>
<tr>
<td>Pneumatic connection (input pressure) technically conditioned compressed air</td>
<td>Min. 5 bar (min. 75 psi) dried, oil-free, filtered with 50 µm</td>
</tr>
</tbody>
</table>

Technical details are subject to change.