TECHNICAL DATA

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td>DC-Servomotors 20 W</td>
</tr>
<tr>
<td>Travel range</td>
<td>x-axis 210 mm, y-axis 210 mm, z-axis 110 mm</td>
</tr>
<tr>
<td>Positioning accuracy</td>
<td>± 25 μm each axis</td>
</tr>
<tr>
<td>Repetition accuracy</td>
<td>± 10 μm each axis</td>
</tr>
<tr>
<td>Acceleration</td>
<td>max. 500 mm/s²</td>
</tr>
<tr>
<td>Load</td>
<td>max. 5 kg for y-table, 1 kg for x- and z-axis</td>
</tr>
<tr>
<td>Speed</td>
<td>max. 75 mm/s</td>
</tr>
<tr>
<td>Servo Control</td>
<td>3-axis servo-control, RS 232, freely programmable</td>
</tr>
<tr>
<td>Dimensions</td>
<td>tabletop unit w: 562 mm / h: 772 mm / d: 550 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>65 kg</td>
</tr>
</tbody>
</table>

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The Printing System Autodrop Compact is a versatile tool for inkjet printing and material deposition. In combination with microdrop dispenser heads or pipettes the Autodrop Compact allows an easy start for using the inkjet technology in numerous fields. The optional Graphics Design Editor enables the operator to define own free designed pattern like curves and lines. Vector based graphic files (dxf-format) are importable.

### ADVANTAGES

- contactless dispensing in picoliter range
- large viscosity range
- tabletop unit
- software controlled 3-axis system
- high flexibility
- good material resistance
- easy refilling and cleaning
- no disposable parts
- no follow on costs
- optional: graphic editor with continuous path control

### APPLICATION EXAMPLES

**Printed Electronics**
- nano particles (Ag, Au, ITO, etc.), conductive adhesives, conducting polymers, RFID tags

**Medical Engeneering**
- coating of implants, tissue engeneering, high-throughput screening

**Life Science**
- drugs, DNA, proteins, enzymes, cells, coating, conductive tracks

**Polymer Research**
- functional (block co) polymers, coatings, suspensions, dispersions, photonic crystals, combinatorial experimentation