The System

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 enables an easy start for using inkjet technology in numerous fields.

The Graphics Design Editor allows 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
- Graphic editor with continuous path control

The design of this tabletop unit provide the integration of different substrates on the platform. The Printing System Autodrop Compact is available to control up to two dispenser heads or pipettes.

The generous travel range of 210 mm x 210 mm x 110 mm (x-, y-, z-axis) makes the Printing System Autodrop Compact an ideal medium for R&D purposes and small batch production.
## TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Printing System Autodrop Compact AD-P-7000</th>
</tr>
</thead>
<tbody>
<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/s</td>
</tr>
<tr>
<td>Speed</td>
<td>max. 75 mm/s</td>
</tr>
<tr>
<td>Load</td>
<td>max. 5 kg for y-table, 1 kg for x- and z-axis</td>
</tr>
<tr>
<td>Axis resolution</td>
<td>2 μm</td>
</tr>
<tr>
<td>Servo control/ Drive</td>
<td>3-axis system with DC motors, ball screw</td>
</tr>
<tr>
<td>Dimensions tabletop unit</td>
<td>w: 570 mm / h: 800 mm (incl. adjustable feet)/ d: 550 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>65 kg</td>
</tr>
</tbody>
</table>

### Images

- **Autodrop Pipette AD-K-901**
- **Microdrop Dispenser Head series MD-K-...**
- **Autodrop Pipette AD-KH-501-L6**

---

**microdrop Technologies GmbH**

Tycho-Brahe-Kehre 1  
22844 Norderstedt / Germany  
Phone: +49 (0)40 53 53 83-0  
Fax: +49 (0)40 53 53 83-24  
info@microdrop.de  
www.microdrop.de