Vertical CNC Drilling and Machining Center

EVOLUTION 7401 | 7402

With XL Drilling Head for maximum drilling performance!

www.holzher-evolution.com
Intelligent solutions for drilling, grooving and milling

The technical data for the EVOLUTION series speaks for itself: Workpieces with height up to 920 mm and unlimited length can be processed with the smallest possible space requirements.

Material thicknesses of 8 to 70 mm make the vertical machining centers from HOLZ-HER all-round machines for producing everything from drawers to body parts, furniture fronts and rear walls.

Campus Software Package guarantees simple and clear programming.

The solid design of the EVOLUTION series guarantees short cycle times and maximum machining quality.

Fully equipped drilling head

- 15 drilling spindles for 5 in-line holes each in X and Y directions as well as 6 horizontal drills and integrated sawing unit for quick and precise results (Fig. bottom left).

- As an option, the EVOLUTION series can also be equipped for even higher performance with an XL-drilling head, with up to 22 drilling spindles and grooving saw (Fig. bottom right).

- XL drilling head supplements
  1. Additional double drilling spindle in Y direction
  2. Vertical adapter with extra strong spindle
  3. Cutting spindle (on EVOLUTION 7402 only)

Illustrations may contain optional features.

ECOMODE

The intelligent energy management system – standard feature on all HOLZ-HER CNC machining centers.
Your design ideas perfectly implemented

HOLZ-HER's EVOLUTION Series ensures rational machining and maximum flexibility especially for production of furniture parts. And this, in spite of minimum space requirements.

- **Simple programming**
  Equipped with a 21.5" monitor (16:9) and latest version of the user-friendly CAMPUS/NC Hops Software including aCADemy CAD, DXF import and versatile macros (Fig. 1).

- **Innovative vacuum clamping system**
  Ideal for highly differing, even highly sensitive materials. Wide selection of suction cups e.g. for solid wood.

- **Enormous flexibility**
  Machining of panel material with length up to 2,500 mm and width up to 920 mm without additional extensions. Even workpieces with dimensions up to 200 x 70 mm are no problem. Fully automatic workpiece thickness adaptation from 8 to 70 mm – without setting up anew.

- **Automatic tolerance correction (optional)**
  Determination of exact length dimension and automatic correction of tolerances for dimension-dependent drilling. Ideal as perfect supplement for high precision drilling, e.g. for workpieces which have already been edged (Fig. 2).
## Equipment Overview

### Machine

<table>
<thead>
<tr>
<th>Feature</th>
<th>EVOLUTION 7401</th>
<th>EVOLUTION 7402</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Machining dimensions</strong>&lt;br&gt;Max.:</td>
<td>2,500 x 920 x 70 mm (without additional support)&lt;br&gt;Min.:</td>
<td>2,500 x 920 x 70 mm (without additional support)&lt;br&gt;Min.:</td>
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<tr>
<td><strong>Max machining dimensions in X direction without reclamping</strong></td>
<td>800 mm drilling width</td>
<td>800 mm drilling and cutting width</td>
</tr>
<tr>
<td><strong>Drilling head</strong></td>
<td>15 Spindles (9 V</td>
<td>6 H), incl. sawing unit for grooving in X-direction</td>
</tr>
<tr>
<td><strong>XL drilling head</strong></td>
<td>19 Spindles (13 V</td>
<td>6 H), incl. sawing unit for grooving in X-direction</td>
</tr>
<tr>
<td></td>
<td>Double drilling spindle in Y direction</td>
<td>Double drilling spindle in Y direction</td>
</tr>
<tr>
<td><strong>Cutter unit</strong>&lt;br&gt;X</td>
<td></td>
<td>5.6 kW, with clamp</td>
</tr>
<tr>
<td><strong>Vector speed</strong></td>
<td>68 m/min.</td>
<td>68 m/min.</td>
</tr>
<tr>
<td><strong>Safety equipment</strong></td>
<td>Solid rollways incl. stops</td>
<td>Solid rollways incl. stops</td>
</tr>
<tr>
<td><strong>Workpiece support</strong></td>
<td>Automatically positioning vacuum system</td>
<td>Automatically positioning vacuum system</td>
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<tr>
<td></td>
<td>ECO-Vac 8 m³/h vacuum pump</td>
<td>ECO-Vac 8 m³/h vacuum pump</td>
</tr>
<tr>
<td><strong>Workpiece clamping</strong>&lt;br&gt;Optionally positioning vacuum system</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Software</strong>&lt;br&gt;CAMPUS/NC-HOPS incl. aCADemy CAD/CAM module with machine license</td>
<td>CAMPUS/NC-HOPS incl. aCADemy CAD/CAM Machine license module</td>
<td></td>
</tr>
</tbody>
</table>

The technical data specified is intended for reference only. HOLZ-HER woodworking machines are subject to constant development and are therefore subject to modification without prior notice. The illustrations are therefore not binding. Some of the machines shown also contain special equipment not included as a standard feature. For clarity, some of the machines are shown without protective hood.

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