Drilling system
BST 800
BST 800
pure dynamics – an adventure
The Result: YOUR SOLUTION

Up to 674 individually activated high-speed spindles provide a unique drilling performance beyond competition regarding speed and dynamics. All spindles are equipped with the patented spindle clamping thus ensuring a continuously exact drilling depth. High repeat accuracy at batch size 1 is not contradictory here. The setting times tend to zero and workpiece processing in just one passage offer a high degree of productivity.

Here you will find more: www.homag.com

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Highly dynamic drive system
- Highest positioning accuracy despite high-speed handling
- Output: up to 30 pcs./min. in single-cycle operation and 22 pcs./min. in multi-cycle operation
- Machine setting time tends to zero

Versatile processing of panels:
- Vertical drilling from top and bottom with individually activated spindles

BST 800 – Highlights:

**UP TO 674 INDIVIDUALLY RETRIEVABLE DRILLING SPINDLES** ensure dynamic batch size one manufacturing.

- Horizontal drilling with individually activated spindles
- Horizontal dowel insertion

- Customer-specific drill equipment
- Flat horizontal workpiece fence and guide system allows vertical drilling in edge zone
- **ecoPlus** – Savings due to stand-by-operation
Drilling with full power

THIS MACHINE IS SUITABLE FOR OUR INDUSTRIAL PARTNERS WITH THE REQUIREMENT OF FAST AND PRECISE WORKPIECE PROCESSING WITH INDIVIDUAL DRILLING PATTERNS. The high-speed drilling spindles of the BST 800 offer a drilling performance that is unrivaled in terms of speed and dynamics. High repeatability for batch size 1 manufacturing is the main principle. Set-up times are close to zero and workpieces can be processed in one pass, which leads to an extremely high level of productivity.

Configuration example
- Customer-specific drill equipment
- Vertically up to 570 drilling spindles possible
- Horizontally up to 104 drilling spindles possible

Horizontal drilling station
- Horizontal drilling block – individually activated
Workpiece clamping system

- Horizontal fence and guide system for precise positioning of workpieces provides vertical drilling in edge zone

Automatic spindle clamping system

- Patented system
- Always exactly the same drilling depth – irrespective of materials
- Constant quality by high repeat accuracy

Drilling supports from top and bottom

- High quality of every drilling operation (example through holes)
- Increased productivity
Software

WITH THIS SOFTWARE PACKAGE YOU ARE «READY TO RACE». You will receive one of the most established CNC-programming systems, the woodWOP software, which has proven itself by more than 30,000 installations worldwide.

Please use our website.
Worldwide largest forum for woodWOP:
Free Download of woodWOP-components

powerControl
- 17” TFT monitor
- Provision teleservice capability
- USB frontside bus
- Ethernet connection 10/100 Mbit
- Ergonomic hand terminal

woodWOP
- Worldwide established CNC-programming system – already more than 30,000 installations
- More safety and control in programming by 3D-presentations of all relevant elements

Production list software
- For management and creation of product lists for individual manufacturing

Main user interface topDrill
- Calling up detailed information of machine
- Start processing programs

Generator
- With graphic operator guidance to generate the NC-program
## Technical data

### Sample layout BST 800

**Technical data**

### DIMENSIONS

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>MIN.</th>
<th>MAX.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workpiece length</td>
<td>250 mm</td>
<td>2500 mm</td>
</tr>
<tr>
<td>Workpiece width</td>
<td>100 mm</td>
<td>1050 mm</td>
</tr>
<tr>
<td>Workpiece thickness</td>
<td>15 mm</td>
<td>60 mm</td>
</tr>
</tbody>
</table>

Further dimensions on request

### EQUIPMENT TYPES

**Vertical | bottom**

- Up to 6 drilling supports with 2 drilling blocks each, up to 40 individually activated spindles per drilling block

**Vertical | top**

- Up to 3 drilling supports with 2 drilling blocks each, up to 15 spindles per drilling block

**Horizontal**

- Per fixed and moveable side 1 drilling block with 13 or 21 spindles in one row per drilling block

**Horizontal**

- Per fixed and moveable side 2 drilling blocks with 13 spindles in one row per drilling block

**Horizontal**

- Per fixed and moveable side 2 drilling blocks with 2x13 spindles in double row per drilling block