Drilling.
Dowelling.
Everything is under control.

Our CNC-Drilling and Dowel Inserting Machine
DRILLTEQ D-500

YOUR SOLUTION
Drilling and dowelling – and always keeping a tight grip on everything.

Whether as individual machine or complementary product in connection with a CNC processing center – the DRILLTEQ D-500 has two tasks: drilling and dowelling – making the machine more efficient and reliable than ever before.

YOUR SOLUTION

MORE: HOMAG.COM

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3 horizontal drilling spindles
- For precise processing while drilling and dowelling horizontally
- 3 individually selectable drilling spindles with 32 mm pitch

3 vertical drilling spindles
- Individually selectable drilling spindles with 32 mm pitch for diverse drill diameters up to 35 mm
- Travel range in Y-direction: 0 - 50 mm (at drill diameter up to 20 mm)

Dowelling tool with glue or water application
- Glue injector with adjustable glue amount and glue flow control
- The installation can optionally be used with pre-glued dowels and water
- 32 mm distance from the drilling spindle
The highlights at a glance:

- **Incredibly fast..**
  High-speed drilling and dowel insertion aggregate for accurate drill holes and precise positioning of dowels

- **Keeping a tight grip...**
  By using up to 8 clamping cylinders, adjustable to length and thickness, any workpiece is held firmly

- **Beneficial...**
  The lowerable center stop allows for flexible handling of workpieces thereby ensuring an optimum two-field operation

- **Provides silence...**
  Heavy and sturdy machine bed made of SORB TECH for vibration-free operation

- **Established all over the world...**
  The powerful HOMAG Group software woodWOP is already included as a standard

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**Low-pressure glue pump**
- Double membrane pump, low-noise level and compact

**Vibrating conveyor**
- For automatic and reliable feed of standard dowels with a diameter of 5 to 12 mm and a length of 60 mm
- Other dowel dimensions on request

**Mobile control panel**
- For maximum comfort
Center stop
- For flexible handling of workpieces
- Pneumatically lowerable
- Picture right: Active center stop

Adjustable clamping cylinders
- Up to 8 adjustable clamping cylinders enable a secure and gentle fixing of the workpieces

Alternate operation
- Depending on the workpiece dimensions the DRILLTEQ D-500 machines can be fed with up to 4 workpieces
  - DRILLTEQ D-500/Models 1 + 3: \( A: \) 600 mm | \( B: \) 1,250 mm
  - DRILLTEQ D-500/Models 2 + 4: \( A: \) 1,390 mm | \( B: \) 2,800 mm

Lateral stop
- Pneumatically lowerable
- Allows the placement of workpieces > 1,250 mm (or 2,800 mm)
NEW! Option – intelliGuide Basic

OPTICAL LED ASSISTANCE SYSTEM to assist the machine operator in the processing of workpieces. The LED bar lights in the areas where the workpieces are to be positioned. The length of the illuminated areas corresponds to the length of the workpieces to be positioned. Once the positioning is correct, the color of the LED bar changes.

Your benefit
- Increased efficiency by faster operating procedures
- Error prevention by continuous visual control
- Improved ease of use
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 40,000 installations worldwide.

**Machine operation**
- Modern and simple control of the machine functions
- 21.5" TFT monitor
- Provision of teleservice capability
- USB frontside bus
- Ethernet connection 10/100 Mbit

**woodWOP**
- Worldwide established CNC programming system – already more than 40,000 installations
- More safety and control in programming by 3D-presentations of all relevant elements

**Everything at a glance...**

<table>
<thead>
<tr>
<th>Length of the processing field</th>
<th>Drilling heads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal with 3 spindles</td>
<td>Vertical with 3 spindles</td>
</tr>
<tr>
<td>1,250 mm</td>
<td>✓</td>
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<tr>
<td>2,800 mm</td>
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</tbody>
</table>

- Model 1
- Model 2
- Model 3
- Model 4
Barcode connection (optional)
- Barcodescanner / -software
- Supported barcodes: 1D – Barcode, 2D – Data Matrix Code
- Every workpiece is exactly identified for the further workpiece flow

Machine Data Recording
- Collecting and evaluating machine states via time meter and event meter

tapio-ready
- Simply „connect“ the machine with tapio to use all innovative digital tapio products
- The free use of tapio MachineBoard is included in the standard

Further software options
- woodWOP for external PC
- woodAssembler

<table>
<thead>
<tr>
<th>Cleaning device for glue injector</th>
<th>Vibrating conveyor</th>
<th>Low-pressure glue pump</th>
<th>tapio-ready</th>
<th>Pneumatic feed for the drilling feed</th>
<th>Barcode reading system</th>
<th>X-measuring system</th>
<th>Air conditioning</th>
<th>Special dimensions of the dowels</th>
<th>Add. dowelling gate</th>
<th>Add. dowelling chamber</th>
<th>Add. vibrations conveyor</th>
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</thead>
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</table>

Standard: ✓       Option: o
HOMAG LifeCycleServices

The sale of our machines comes with all-in optimum service backup and individual advice. We support you with service innovations and products which are especially tailored to your requirements. With short response times and fast customer solutions we guarantee consistently high availability and economical production – over the entire life cycle of your machine.

Remote Service
- Hotline support via remote diagnosis regarding control, mechanics and process technology. Thus the on-site service can be reduced by more than 90 %!
- Mobile applications such as ServiceBoard reduce the costs through fast help in case of troubles by mobile live video diagnosis, online service message and the online spare parts shop eParts

Spare Parts Service
- Identify, request and order spare parts around the clock via www.eParts.de
- Local availability of parts offered by our sales and service companies as well as sales and service partners all over the world
- Reduction of downtimes through defined spare parts and wear parts kits

Field Service
- Increased machine availability and product quality by certified service staff
- Regular checks through maintenance / inspection guarantee the highest quality of your products
- We offer you the highest availability of technicians in order to reduce downtimes in case of unpredictable troubles

1,200 service employees around the world

5,000 customers in training / year

>90% less on-site-services through successful remote diagnosis

>150,000 machines, all electronically documented in 28 different languages – in eParts
**Technical Data**

The image shows model 1

### TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Model 1 + 3</th>
<th>Model 2 + 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workpiece length</td>
<td>20–1,250 mm</td>
<td>20–2,800 mm</td>
</tr>
<tr>
<td>Workpiece width</td>
<td>20–800 mm</td>
<td>20–800 mm</td>
</tr>
<tr>
<td>Workpiece thickness</td>
<td>10–80 mm</td>
<td>10–80 mm</td>
</tr>
<tr>
<td>Compressed air connection</td>
<td>R 1/2&quot;</td>
<td>R 1/2&quot;</td>
</tr>
<tr>
<td>Compressed air</td>
<td>min. 7</td>
<td>min. 7</td>
</tr>
<tr>
<td>Total connected voltage</td>
<td>approx. 7 kW</td>
<td>approx. 7 kW</td>
</tr>
<tr>
<td>Extraction connection</td>
<td>1 x Ø 80 mm</td>
<td>1 x Ø 80 mm</td>
</tr>
<tr>
<td>Extraction speed</td>
<td>min. 30 m/sec.</td>
<td>min. 30 m/sec.</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>20 A</td>
<td>20 A</td>
</tr>
<tr>
<td>Total machine weight</td>
<td>approx. 1,600 kg</td>
<td>approx. 2,200 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
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<tr>
<td>L</td>
<td>2,260 mm</td>
<td>3,810 mm</td>
</tr>
<tr>
<td>W</td>
<td>1,546 mm</td>
<td>1,546 mm</td>
</tr>
<tr>
<td>H</td>
<td>2,110 mm</td>
<td>2,110 mm</td>
</tr>
</tbody>
</table>