

# Drilling. Dowelling. Everything is under control.

**HE HOMAG**

**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](https://www.homag.com)

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DRILLTEQ D-500

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### CONTENTS

- 04 Highlights
- 06 Standards
- 07 Option – IntelliGuide Basic
- 08 Hardware – Software
- 09 Everything at a glance
- 10 HOMAG LifeCycleServices
- 11 Technical Data



### 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



### Low-pressure glue pump

- Double membrane pump, low-noise level and compact



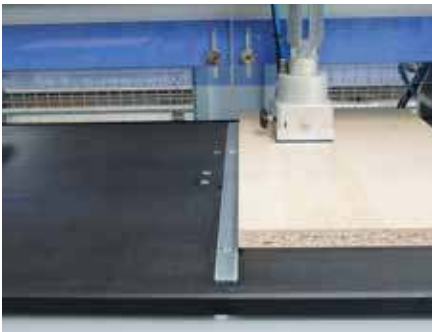
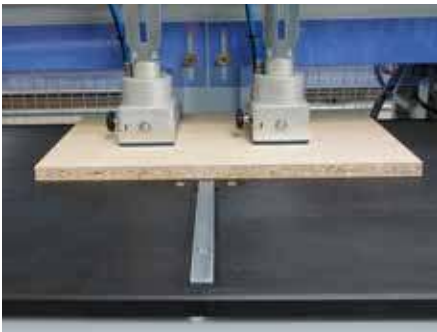
### Vibrating conveyor

- 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



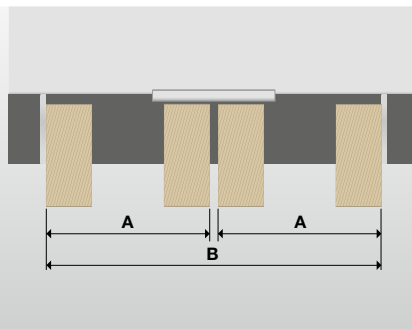
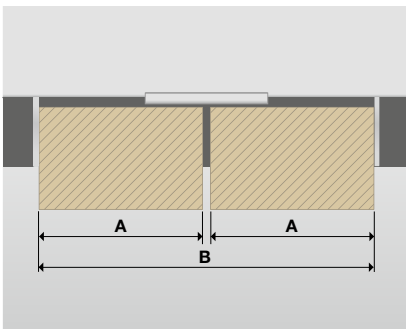
**Center stop**

- For flexible handling of workpieces
- Pneumatically lowerabler
- 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 lowerabler
- Allows the placement of workpieces > 1,250 mm (or 2,800 mm)



**Your benefit**

- Increased efficiency by faster operating procedures
- Error prevention by continuous visual control
- Improved ease of use

## 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.



# Hardware – 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 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...

	Length of the processing field		Drilling heads				
	1,250 mm	2,800 mm	Horizontal with 3 spindels	Vertical with 3 spindels	Dowelling aggregate	Gluing aggregate	Glue flow control
Model 1	✓	-	✓	✓	-	-	-
Model 2	-	✓	✓	✓	-	-	-
Model 3	✓	-	✓	✓	✓	✓	✓
Model 4	-	✓	✓	✓	✓	✓	✓

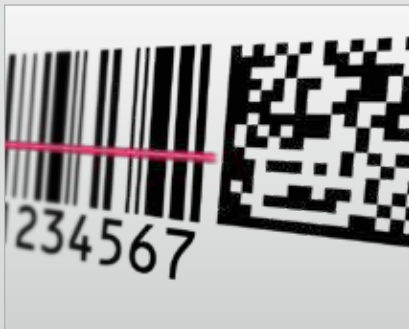
**Please use our website!**

Worldwide largest forum for woodWOP:  
forum.homag.com



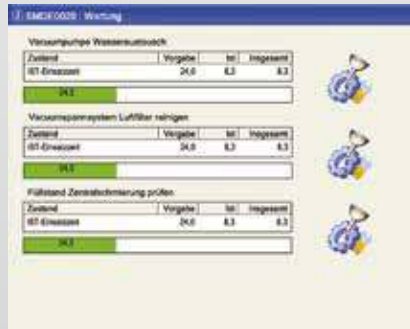
**Further software options**

- woodWOP for external PC
- woodAssembler



**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

**Features**

Cleaning device for glue injector	Vibrating conveyor	Low-pressure glue pump	tapio-ready	Pneumatic feed throttle for the drilling feed	Barcode reading system	X-measuring system	Air conditioning	Special dimensions of the dowels	Add. dowelling aggregate	Add. dowelling chamber	Add. vibrations conveyor
-	-	-	✓	○	○	○	○	-	-	-	-
-	-	-	✓	○	○	○	○	-	-	-	-
✓	✓	✓	✓	○	○	○	○	○	○	○	○
✓	✓	✓	✓	○	○	○	○	○	○	○	○



1,200

service employees around the world



LifeCycleServices

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

## 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](http://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

# Technical Data



Picture shows model 1

## TECHNICAL DATA

		Model 1 + 3	Model 2 + 4
Workpiece length	mm	20–1,250	20–2,800
Workpiece width	mm	20–800 mm	20–800
Workpiece thickness	mm	10–80 mm	10–80
Compressed air connection	inch	R 1/2"	R 1/2"
Compressed air	bar	min. 7	min. 7
Total connected voltage	kW	approx. 7	approx. 7
Extraction connection	mm	1 x Ø 80	1 x Ø 80
Extraction speed	m/sec.	min. 30	min. 30
Supply voltage	A	20	20
Total machine weight	kg	approx. 1,600	approx. 2,200
Dimensions			
L	mm	2,260	3,810
W	mm	1,546	1,546
H	mm	2,110	2,110

## **HOMAG Group AG**

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## **YOUR SOLUTION**