

DRILLTEQ D-110

Drilling. Dowelling. Everything under control.
Our entry-level machine for horizontal drilling.





Drilling and doweling – 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-110 has two tasks: horizontal drilling and doweling. And that makes the machine more efficient than ever before.

YOUR SOLUTION

[MORE: HOMAG.COM](https://www.homag.com)



DRILLTEQ D-110

CONTENTS

- 04 Highlights
- 06 Standards
- 08 Hardware – Software
- 09 Everything at a glance
- 10 Life Cycle Services
- 11 Technical Data



Ergonomic machine operation

- powerTouch monitor ergonomically adjustable in height
- Operating unit with keyboard tray and monitor
- Simple and individual adjustment to the relevant body size

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
- **Established all over the world...**
The powerful HOMAG Group software woodWOP



High-speed doweling and drilling unit

- For precise processing while drilling and doweling horizontally



High-speed drilling spindles

- 3 spindles can be called up individually, in a grid of 32 mm (optional)



Fixed setting

- Toggle switch for selecting the speed for the drill feed
- Setting 1 = max. speed of the drill feed
- Setting 2 = adjustable speed of the drill feed via potentiometer (e.g. for solid wood)



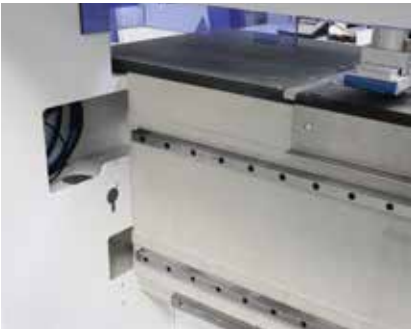
Low-pressure glue pump

- Double membrane pump, low-noise level and compact
- Standardised technology can be applied across all series



Vibrating conveyor (option)

- For automatic and reliable feed of standard dowels with dimensions 8x30 mm or 8x35 mm
- Other dowel dimensions on request



Delivers what it promises

- Strong steel frame construction combined with highly rigid vibration-absorbing machine bed consisting of fiber-reinforced SORB TECH mineral mixture
- High frame weight with minimal installation space ensures high absorption behavior by vibrations

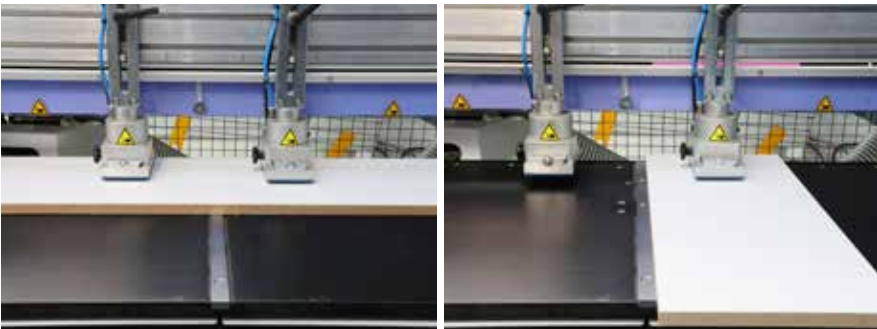
All inclusive – Hardware

WITH THE DRILLTEQ D-110 YOU ARE PROVIDED WITH TOP-QUALITY EQUIPMENT FROM THE VERY BEGINNING. Excellent processing quality is guaranteed in the long term by including fundamental technology already in the standard.



Adjustable clamping cylinders

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



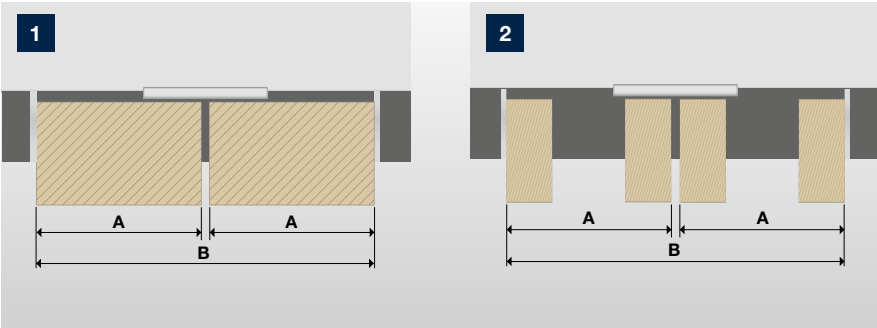
Center stop

- For flexible handling of workpieces
- Pneumatically lowerabler
- Picture right: Active center stop



Lateral stops

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



Alternate operation

- Depending on the workpiece dimensions the DRILLTEQ D-110 machines can be fed with up to 4 workpieces
- Illustration 1: **A:** 600 mm | **B:** 1.250 mm
- Illustration 2: **A:** 1.380 mm | **B:** 2.800 mm



Servomotor-driven height adjustment of the drilling in Z-direction

- For adaptation to workpiece thicknesses in the range of 10 – 60 mm



Servomotorized adjustment of the depth in Y-direction

- Precise adjustment of the drilling depth

intelliGuide Classic

Your benefit

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



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
- 24"-TFT-Display
- 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

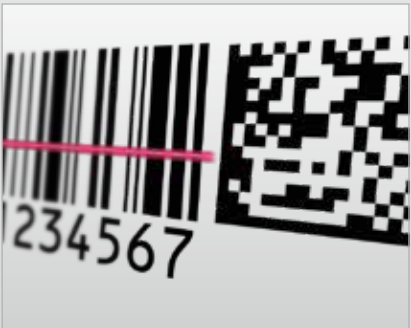
Please use our website!

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

Everything at a glance...

	Length of the processing field		Drilling gear		Control of the axes			Features														
	1.250 mm	2.900 mm	Horizontal with 1 spindle	Horizontal with 3 spindles	X axis	Y axis ¹	Z axis ¹	Doweling unit	Gluing unit	Cleaning device for glue injector	Vibrating conveyor	Low-pressure glue pump	tapio-ready	Glue flow control	Pneumatic feed throttle for the drilling feed	Barcode reading system	X-measuring system	Air-conditioning	Special dimensions of the dowels	Add. doweling aggregate	Add. doweling chamber	Add. vibrations conveyor
DRILLTEQ D-110/12	✓	-	✓	○	CNC	autom.	autom.	○	○	○	○	○	✓	○	✓	○	○	○	○	○	○	○
DRILLTEQ D-110/28	-	✓	✓	○	CNC	autom.	autom.	○	○	○	○	○	✓	○	✓	○	○	○	○	○	○	○

¹ Self-rigging / automatically adjustable

Fast support:
94% resolution rate
via our hotline

Close to you:
1,350 service experts worldwide

We get things moving:
Over 1,000 worldwide spare parts
shipments each day

No one else has that:
Electronic documentation on over
150,000 machines, available in 28
languages

LIFE CYCLE SERVICES

Improved performance, more efficient processes, faster help, assurance of availability and smarter working. VAL YOU comes from VALUE ADDED. Our objective is derived from this name: We create added value for your business by helping you get the most out of your processes. Every day.



TECHNICAL DATA			
DRILLTEQ D-110		1.250	2.800
Workpiece length	mm	20–1.250	20–2.800
Workpiece width	mm	20–800	20–800
Workpiece thickness	mm	10–60	10–60
Compressed air connection	Zoll	R 1/2"	R 1/2"
Compressed air	bar	min. 7	min. 7
Total connected voltage	kW	ca. 4,5	ca. 4,5
Extraction connection	mm	1 x Ø 80	1 x Ø 80
Extraction speed	m/sek.	30	30
Supply voltage	A	10	10
Total machine weight	kg	ca. 1.100	ca. 1.500
Installation dimensions			
L	mm	2.400	3.955
W	mm	1.460	1.460
H	mm	1.790 (2.420)	1.790 (2.420)

* Width incl. control panel



HOMAG Group AG

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