

CUT 70



Compact design – precise cutting

Your partner for productivity and precision

HOLZ-HER[®]
Special Machines

CUT 70



Via contactless optics for automatically delimiting the cutting length, the sawing unit detects the end of the workpiece and thus optimizes the sawing cycle.



The saw with a wide performance spectrum

The pressure beam saw CUT 70 offers a high-performance package for a wide range of different requirements. With its extremely compact dimensions, the CUT 70 is suitable even for works which have to plan their operating areas in a highly economic manner but nevertheless require a far superior cutting result than normal. The self-supporting, anti-warp design of the basic frame and the high-quality equipment provide unbeatable results when cutting panels.



Given a saw blade diameter of 350 mm, the saw blade projection of 82 mm ensures a clean cut edge.



High power, quiet operation

The powerful main sawing unit (11 kW) is driven by a ribbed belt. This ensures that it runs very quietly. A four-row guide carriage ensures that the unit is raised and lowered evenly. The scoring unit also satisfies these high requirements. The scorer can be adjusted in a practical manner from outside.



The saw carriage, sawing units and pusher are borne in a precise and vibration-free manner by polished prism guides. High accelerations and quick operating cycles are readily possible by means of the high-performance rack-and-pinion drive. The pressure beam is pneumatically controlled, and the pressure force can be controlled in a sensitive manner for delicate workpieces. By virtue of the central travelling dust extraction means on the saw carriage, dust is removed at the direct location where it is produced.



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EASY-PLAN – the name says it all

The EASY-PLAN optimization software, which is installed as standard, offers all the necessary functions, such as, for example:

- Input of material data
- Input of item list data
- Overview of jobs
- The cutting plan overview of optimized jobs is shown on one level.
- The material-based result is shown graphically.
- A display provides information about the required material formats, panels and residue formats for each job.
- Resetting of complete jobs with rebooking in the item list is possible at any time.

The material data input provides information about the length, width, thickness of the material, and also about how many are in stock and the rotatability, taking account of the grain, the material name, the type number and the edge trim. The item list data contains the element number, the position number, the item number, the length and the width.

The control facility – information at a glance

- Large screen, touch screen available as an option
- Clearly arranged large buttons
- Machining of absolute, serial or format cuts with integrated grooves possible
- Prioritizing of individual jobs possible at any time
- Job programming in parallel with cutting
- In the case of NC cuts, graphic overview of the machine with machine progress function
- Program-controlled dimensioning of reference dimensions in the event of a saw blade change
- Information display with details regarding the running metres of main saw and scoring saw
- Individual adaptation of function and parameter settings



High-performance and practical – the CUTCONTROL 2 control facility

The capacity of a modern pressure beam saw is decisively determined by the quality and the possibilities of the control facility. In the CUT 70, the management of jobs and material and the optimization of the cutting plan are undertaken by the CUTCONTROL 2 control facility and by the preinstalled EASY-PLAN software. The generously dimensioned industrial processor, a current Windows operating system and the 15" TFT screen provide the basis for practical operation.

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The graphics-oriented, clear user interface is self-explanatory and displays the progress in real time. All the functions can be called up from one level, and there is no limit with regard to the input of jobs, that is to say unlimited inputting of item list data is possible. The control functions for direct cuts and NC cuts always lead to the best possible result. The OPTIPRO optimization software, which is available as an option, is also available as a combined package – machine and office version.

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The pneumatically controlled angle pressure device holds workpieces securely in position and thereby ensures a precise cut, even in the case of long workpieces.

Air-cushion tables are kind to the workpiece when it is placed on the machine (optional).

Precision-guided, freely programmable pusher with clamps. Parallel feeding towards the cutting line is ensured by the direct-drive geared motor fitted in the centre.



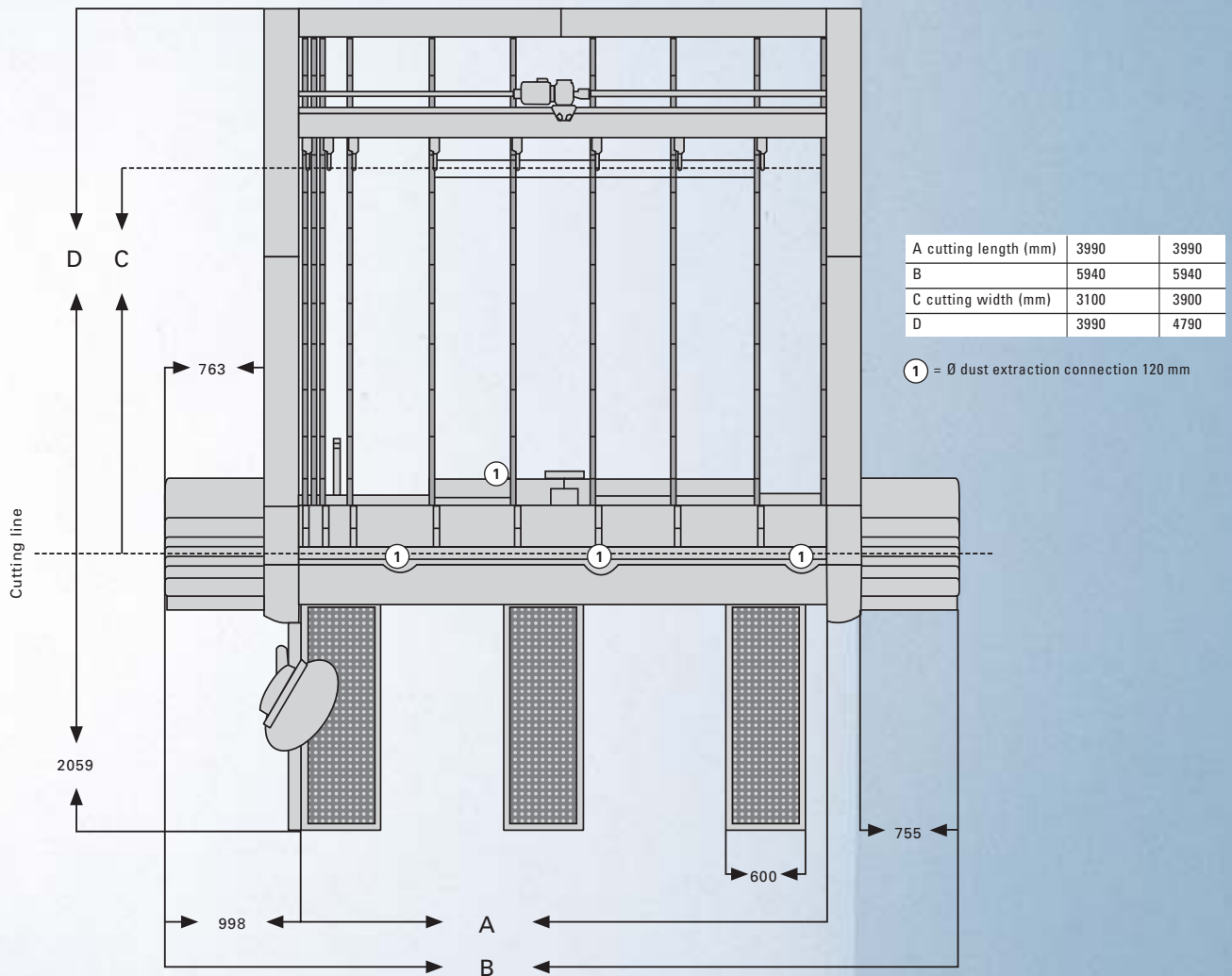
Technology and equipment designed for high demands

In terms of technology and equipment, the CUT 70 is designed for high demands. The stable support tables do not buckle even under heavy panel packages. The glued laminated wood of the compact panel or the specially produced spherical nozzles are particularly kind to the workpiece placed on the machine. Optionally available air-cushion tables additionally facilitate material handling.



Residue cutting device for cutting residues. The clamps travel into the recessed pressure beam.

Workpiece clamps in a floating design balance out stresses within the panel package towards the top.



For small workpieces or in order to make space, the support tables can be moved (optional). The pneumatically controlled angle pressure device, guided on surface-hardened prism guides, ensures continuous contact between workpiece and pressure roller and in this way produces an angled cut in the case of long workpieces. The device can also be used in the case of thin workpieces in panel form.

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Technical data

	CUT 70	
	3900 x 3100	153,54 x 122,05
Cutting length x cutting width (mm inch)	3900 x 3900	153,54 x 153,54
Max. cutting height (m/min ft/min)	70	229,66
Max. saw blade projection (mm inch)	82	3,23
Sawing unit		
Motor power (kW)	11	11
Ø saw blade (mm inch)	350	13,78
Rotational speed (min ⁻¹)	4070	4070
Scoring unit		
Motor power (kW)	1,1	1,1
Ø saw blade (mm inch)	180	7,05
Rotational speed (min ⁻¹)	6070	6070
Saw carriage		
Forward speed (m/min ft/min) (Continuous)	0 – 70	0 – 229,66
Reverse speed (m/min ft/min)	70	70
Pusher		
Forward speed (m/min ft/min) (Continuous)	0 – 70	0 – 229,66
Forward speed in EU (m/min ft/min) (Continuous)	0 – 25	0 – 82,02
Reverse speed (m/min ft/min)	70	229,66
Clamps		
Cutting length 3900	5	5
Compressed air		
Pressure (bar)	6	6
Air consumption NL/cutting cycle	32	32
Dust extraction		
Ø connection, basic machine (mm inch)	1 x 120	1 x 4,72
Ø connection, pressure beam (mm inch)	3 x 120	3 x 4,72
Capacity (m ³ /h)	4500	4500
Air speed (m/sec. ft/sec.)	30	98,43
Number of tables		
Cutting length 3900	3	3

The technical data given are guidelines. We reserve the right to make changes since our HOLZ-HER woodworking machines are continually being developed. The illustrations are therefore not binding. The machines shown in some cases also contain special equipment which does not come as standard. Please ask your HOLZ-HER dealer for details of the equipment included. We reserve the right to make changes in terms of design and equipment.

REICH

Spezialmaschinen GmbH
D-72608 Nürtingen

Tel.: +49 (0) 70 22 702-0
Fax: +49 (0) 70 22 702-101
www.holzher.de



Your authorized HOLZ-HER Spezialmaschinen dealer

