

Sawing with maximum power

CUT 6210 | 6310



PRODUCTIVITY AND PRECISION



Precision for large lots

The CUT 6210 and CUT 6310 horizontal pressure beam saws open up new dimensions for effective, tear-free panel cutting regardless of the specific panel material. Whether in the wood-processing industry or crafts – a CUT 6210 or CUT 6310 is always the best possible decision.

- Constant precision cutting results with maximum volume performance.
- High movement and positioning speeds, fast cutting cycles.
 - Infinitely regulated feed rates from 0 to 100 m/min.
 - Saw carriage return speed 150 m/min.
 - Width stop motion speeds from 0 to 100 m/min (EU: 0 to 25 m/min).
 - Width stop return speed 100 m/min.
- Electronically controlled saw carriage with cutting-out device, e.g. for light cut-outs.
- Air cushion machine table and air cushion support table for handling heavy stacks of panels easily.
- Exceptional reliability with maximum operating convenience.
- High machine rigidity for long-term, reliable dimensional accuracy.
- Effective dust evacuation; central, travelling dust channel on unit.



1



2



3

High Power – Extremely Smooth Operation

- Automatic, infinite adjustment of saw blade protrusion for perfect cutting quality.
- The heart of the CUT 6210 and CUT 6310 is the 11-kW sawing unit [Fig. 1].
- The precision guided sawing carriage with rack-and-pinion drive runs in surface hardened linear guides [Fig. 2].
- Stable sawing carriage for low vibration cutting with ergonomically shaped handle for quick saw blade change and simple removal of extraneous pieces as well as effective dust evacuation [Fig. 3].



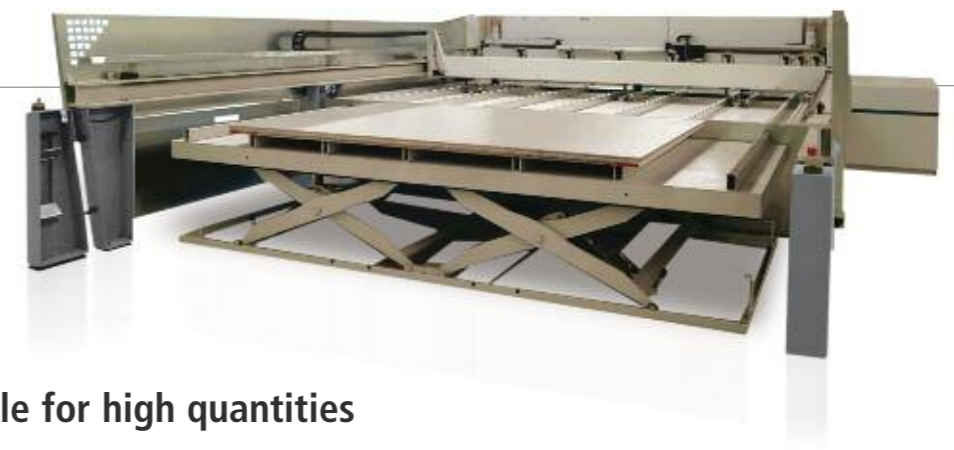


THE EQUIPMENT

High functionality – perfect ergonomics

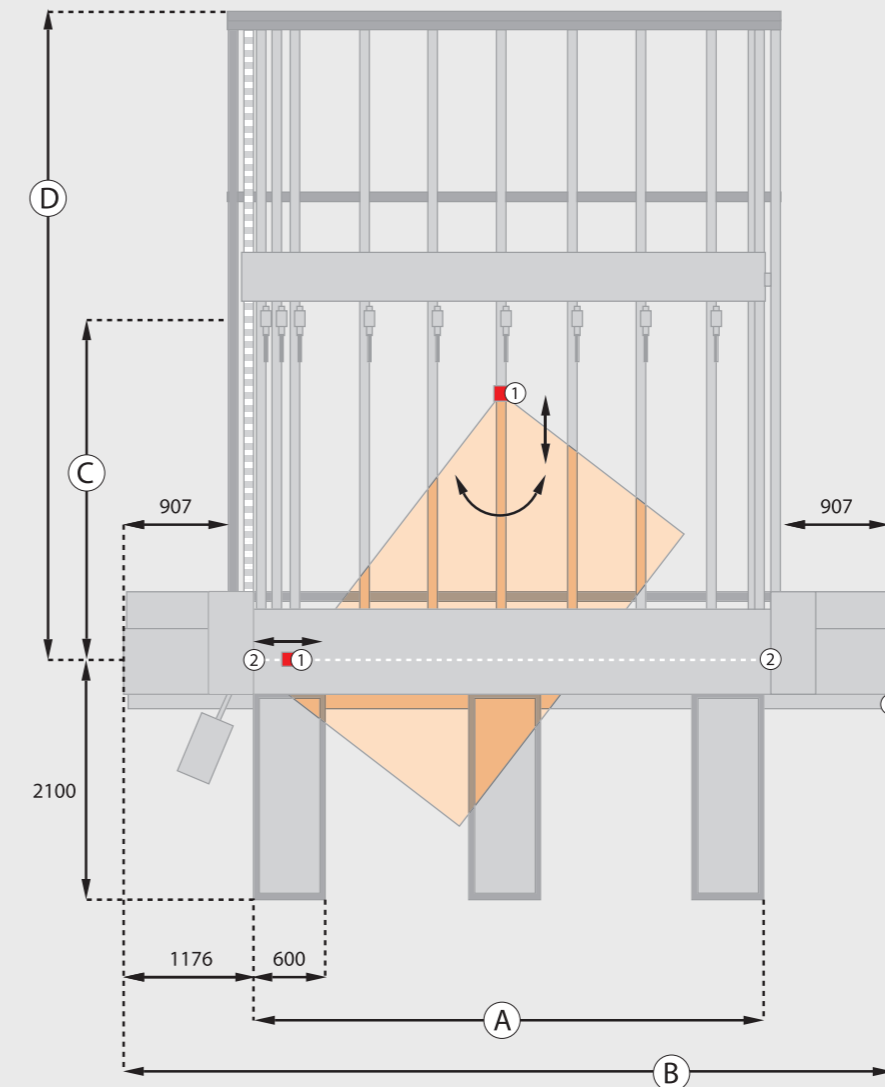
The equipment and possible options on the CUT 6210 and CUT 6310 are defined by demanding industrial standards.

- Extremely stable design of air cushion support tables for exceptionally heavy stacks of panels.
- Air cushion machine table for easy and careful handling of material [Fig. 1].
- Sensor clamps close only when panel is in complete contact (optional).
- The support tables can be moved for work with small dimensions or to obtain additional space (optional).
- Easy to operate angle cutting device (optional).
- The extremely stable, freely programmable width stop is guided by surface hardened linear guides with rack-and-pinion adjustment. Floating type work clamps compensate for tension in the panel stack toward the top [Fig. 2].
- Lateral and front mounted feed rollers on the support tables provide for careful, ergonomical and easy feed to the saw [Fig. 3].
- The remnant cutting device ensures division without remnants [Fig. 4].
- Program-controlled angle pressing device with integrated pre-positioning to work width. Here the rubber drum presses the work continuously against the stop providing for an angular cut on long workpieces [Fig. 4].



Elevating table for high quantities

The optional elevating table provides for rational work with large quantities. Simply place the stack of panels on the elevating table; they are moved to the width stop, where they are taken over and moved forward for cutting.



Angular Cutting Unit

An angular cutting device is available (as option) for freely definable angle cuts.

- Programme-controlled calculation of angle geometry
- Entry of leg lengths or angles possible
- Definition of position in relation to workpieces to be sawed
- Automatic positioning of rip fence and angle fence on saw

CUT 6210/6310	(mm)
A Cutting length*	3250/4250/5250
B Machine width*	5636/6636/7636
C Cutting width*	3150/4250/5250
D Machine depth*	4420/5520/6520

- 1 Positionable fence for angular cutting device
- 2 Evacuation connection dia. 120 mm
- 3 Evacuation connection dia. 160 mm

* Larger space requirement when optional elevating table is selected.

THE CONTROL

CUTCONTROL 2 – The control package for all assignments

The performance spectrum of the CUTCONTROL 2 in combination with the preinstalled EASY-PLAN and OPTI-PRO software is decisive for the performance of the CUT 6210 and CUT 6310.

The generously dimensioned industrial processor, a state-of-the-art Windows operating system and 17" TFT monitor provide the basis for practical operation. With the CUTCONTROL 2 there are no limits; an infinite number of jobs can be programmed.

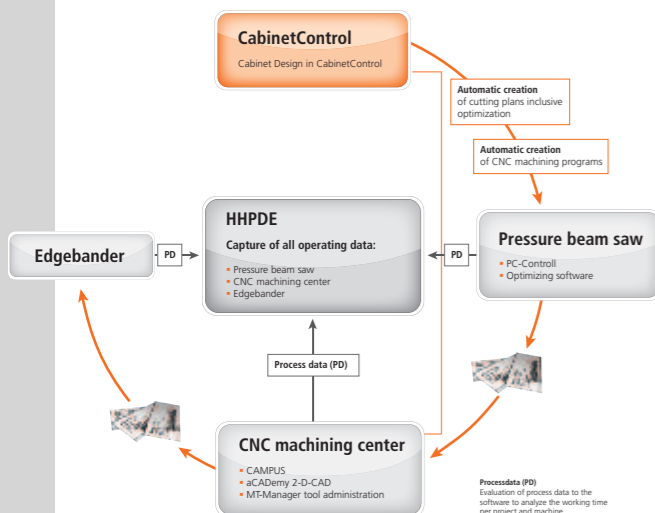
- The clear, graphic-based control surface is self-explanatory and represents processing in real time.
- Large buttons, all functions can be called from one level, optional touch screen.
- Absolute, series or format cuts with integrated grooves are possible.
- The control functions for direct cutting and NC cutting always lead to the best possible results.
- Graphic view of machine with machine sequence function for NC cutting.
- Individual jobs can be assigned a priority at any time, job programming parallel to cutting.
- Programme-controlled measurement of reference dimensions when saw blade is changed.
- Individual adaptation of function and parameter settings.

HPHDE – network-compatible software for all HOLZ-HER machines

All HOLZ-HER machines can be networked with each other. The digital workflow between the CabinetControl software, the saws, the edgebanders, the CNC machining centres and the HHPDE software (HOLZ-HER process data capture) ensures efficient production. HHPDE offers:

- Capture of all operating data
- Time scheduling and calculation for order planning
- Exact evaluation of job-related production data

HPHDE is therefore the basis for efficient calculation.



EASY-PLAN – The name is the program

The EASY-PLAN optimisation software installed as a standard feature provides all functions, such as:

- Entry of material data and parts list data.
- Job summary.
- Cutting plan survey for optimized jobs (representation at one level).

- Material-related result display in graphic form.
- Display provides information on required material formats, panels and remaining formats per job.
- Complete jobs can be reset and booked back into the parts list at any time.



OPTI-PRO – Makes your work even easier

The integrated OPTI-PRO optimisation software can also be purchased as a combination package – with machine and office version. OPTI-PRO serves for laying out, managing and optimising orders.

- The software supplies current job information for NC cutting.
- An additional module imports parts lists from user programs.
- Simple configuration of all system settings.
- Material-related result display of optimised parts lists in graphic form.
- Layout and management of edging lists with predefined edging recommendation lists.
- Defined cutting length adaptation from the software reduces cycle times decisively.

Technical Data

	CUT 6210		CUT 6310	
Machine dimensions				
Cutting length x cutting width (mm inch)	3250 x 3150 4250 x 3150/3850/4250/6250 5250 x 4250/5250/6250	127.95 x 124.02 167.32 x 124.02/151.57/167.32/246.06 206.69 x 167.32/206.69/246.06	3250 x 3150 4250 x 3150/4250 5850 x 5250/5850	127.95 x 124.02 167.32 x 124.02/167.32 230.31 x 206.69/230.31
Weight (kg) (depending on machine size)	6100 – 8000	6100 – 8000	6300 – 8200	6300 – 8200
Max. cutting height (mm inch)	85	3.35	110	4.33
Max. saw blade projection (mm inch)	97	3.82	122	4.80
Clamp opening dimensions	95	3.74	120	4.72
Sawing unit				
Motor output (kW)	11	11	11	11
Saw blade dia. (mm inch)	350	13.78	400	15.75
Rotary speed (RPM)	4100	4100	4100	4100
Scoring unit				
Motor output (kW)	2.2	2.2	2.2	2.2
Saw blade dia. (mm inch)	180	7.09	180	7.09
Rotary speed (RPM)	6500	6500	6500	6500
Saw carriage				
Feed rate (m/min ft/min)	0 – 100 (infinite)	0 – 328.08 (infinite)	0 – 100 (infinite)	0 – 328.08 (infinite)
Return rate (m/min ft/min)	150	492.13	150	492.13
Rip fence				
Feed rate (m/min ft/min)	0 – 100 (infinite)	0 – 328.08 (infinite)	0 – 100 (infinite)	0 – 328.08 (infinite)
Feed rate in EU (m/min ft/min)	0 – 25 (infinite)	0 – 82.02 (infinite)	0 – 25 (infinite)	0 – 82.02 (infinite)
Return rate (m/min ft/min)	100	328.08	100	328.08
Clamps				
Cutting length 3250 mm	6 Each	6 Each	6 Each	6 Each
Cutting length 4250 mm	7 Each	7 Each	7 Each	7 Each
Cutting length 5250 mm	8 Each	8 Each	8 Each	8 Each
Compressed air				
Operating pressure (bar)	6	6	6	6
Air consumption NL/cutting cycle	32	32	32	32
Dust extraction				
Basic machine connection dia. (mm inch)	1 x 160	1 x 6.30	1 x 160	1 x 6.30
Pressure beam connection dia. (mm inch)	2 x 120	2 x 4.72	2 x 120	2 x 4.72
Dust extraction rate (m ³ /h ft ³ /h)	4000	141 292.83	4000	141 292.83
Air velocity (m/sec ft/sec)	30	98.43	30	98.43
Number of worktables				
Cutting length 3250 mm	3 Each	3 Each	3 Each	3 Each
Cutting length 4250 mm	3 Each	3 Each	3 Each	3 Each
Cutting length 5250 mm	4 Each	4 Each	4 Each	4 Each

The technical specifications are intended as a guide. We reserve the right to make alterations as our HOLZ-HER wood processing machines are undergoing constant development. The illustrations are therefore also of a non-binding nature. Some of the machines illustrated have special fittings that are not delivered as standard. Please ask your HOLZ-HER dealer as to the exact specifications. Subject to alterations in construction and fittings.

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