

Maximum Performance – Dynamic Work

CUT 6220 HD



PRODUCTIVITY AND PRECISION



CUT 6220 HD – The High Performance Pressure Beam Saw

The CUT 6220 HD combines high precision equipment, such as hardened and ground linear guides and heavy duty design with dynamic, high speed servo-drive technology from CNC engineering. The specially developed PLC control guarantees extreme accuracy and shortest cycle times.

- Precision cuts even at extreme cutting heights
- Saw blade protrusion: 130 mm
- Cutting height: 120 mm
- Pressure beam opening: 190 mm
- Infinitely adjustable sawing unit feed rate: up to 130 m/min
- Sawing unit return speed: 150 m/min
- Max. rip fence movement rate EU: 25 m/min
- Rip fence return speed: 100 m/min
- Outstanding reliability, maximum operating convenience

■ Solid Air Cushion Table

The machine table is equipped with air nozzles to form an air cushion before and after the cutting line, ensuring easy and gentle panel handling. The air cushion table (1,800 mm) in front of the saw is distinguished by the support on the machine column and optimum human engineering providing maximum legroom.



Illustrations may contain optional features.

■ Angular Pressure Unit (Program Controlled) [Fig. 1]

- Servo-controlled – automatic preliminary positioning (standard feature).
- Pressing length: 35 – 2,100 mm for gentle material handling.
- Rotating pressure roller prevents damage to workpiece.
- **TwinPress** – applies pressure to both sides of the workpiece in front and in back of the cutting line (optional).

■ Remnant Cutting Device

For cutting without remnants. The clamps retract into the grooved pressure beam. This ensures that panels are fully utilized during machining.

■ Clamps [Fig. 2]

The extremely solid clamps are mounted floating on linear guides. Workpiece and package thicknesses are detected automatically by the clamps for automatic infinite control of the cutting height and pre-positioning of the pressure beam. For you this means better cycle time and cutting quality.

■ CUTCONTROL 2 [Fig. 3]

The high performance software package for large HOLZ-HER industrial saws.

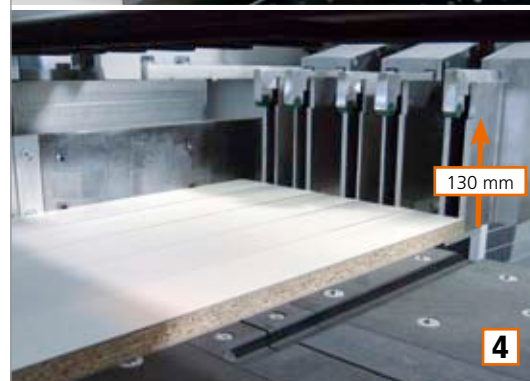
- 19" Flat screen as standard feature
- Graphical 3D user interface for intuitive control
- OPTI-CUT and EASY-PLAN optimization software preinstalled at the factory.
- Label printer (optional) for barcode labels (also data matrix barcode incl. software module for creating labels).

■ Rip Fence [Fig. 4]

Precision guided, freely programmable rip fence on linear guides with dynamic servo-drive. Up to 3 double finger clamps in stop area allow narrow strips to be cut simultaneously.

■ Sawing Unit with up to 25 kW for Enormous Cutting Potential [Fig. 5]

The patent-pending sawing unit is distinguished by its performance, precision and enormous cutting power. The saw blade is moved to the desired height in seconds by the servo-motor. Here the powerful drive motor remains in position and does not have to be raised. This allows infinite movement to grooving depths and saw blade protrusions of up to 130 mm at enormous speed. Panel stacks up to 120 mm can be cut easily by the high power motors. The prescoring saw can be adjusted under program control using the servo-technology. A postforming saw for material thicknesses up to 50 mm with drive power of 3.0 kW is also available as an option.



TECHNICAL DATA

Product brochures and many
videos are available at
www.holzher.com

CUT 6220	
Drives, basic machine	
Cutting length x cutting width (mm)	3,300 x 3,150
	4,300 x 3,150/4,250/ 6,250
Weight (kg) (depending on machine size)	6,100 – 8,000
Max. cutting height (mm)	120
Max. saw blade projection (mm)	130
Sawing unit	
Motor output (kW)	18/21/25
Saw blade dia. (mm)	430
Speed (rpm)	3,570
Scoring unit	
Motor output (kW)	2.2
Saw blade dia. (mm)	180
Speed (rpm)	5,500
Postforming unit	
Motor output (kW)	3
Saw blade dia. (mm)	280
Speed (rpm)	4,800
Saw carriage	
Feed rate (m/min)	0 – 130 (infinite)
Return rate (m/min)	150

Rip fence	
Feed rate (m/min)	0 – 100 (infinite)
Feed rate in EU (m/min)	0 – 25 (infinite)
Return rate (m/min)	150
Clamps	
Clamp opening dimensions	130
Cutting length 3,300	6 Each
Cutting length 4,300	7 Each
Compressed air	
Operating pressure (bars)	6
Air consumption NL/cutting cycle	32
Dust extraction	
Basic machine connection dia. (mm)	1 x 160
Pressure beam connection dia. (mm)	3 x 120
Evacuation rate (m³/h)	4,000
Air velocity (m/sec)	30
Number of worktables	
Cutting length 3,300 mm	3 Each (1,800 mm)
Cutting length 4,300 mm	3 Each (1,800 mm)

The technical data specified is intended for reference only. HOLZ-HER woodworking machines are subject to constant development and are therefore subject to modification without prior notice. The illustrations are therefore not binding. Some of the machines shown also contain special equipment not included as a standard feature. For clarity, some of the machines are shown without protective hood.

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