

Professional Software moves Intelligent Technology

ZENTREX 6220



PRODUCTIVITY AND PRECISION



High Performance Beam Saw

ZENTREX 6220 classic and ZENTREX 6220

The ZENTREX 6220 combines high precision equipment, such as hardened and round linear guides and a 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: 105 mm | 130 mm
- Beam opening: 190 mm
- Infinitely adjustable sawing unit feed rate: up to 130 m/min
- Sawing unit return speed: 150 m/min
- Positioning speed: 25 m/min (CE)
- 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 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 for pressing length of 35 up to 2.100 mm for gentle material handling. (Optional for classic)
- 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 for classic)

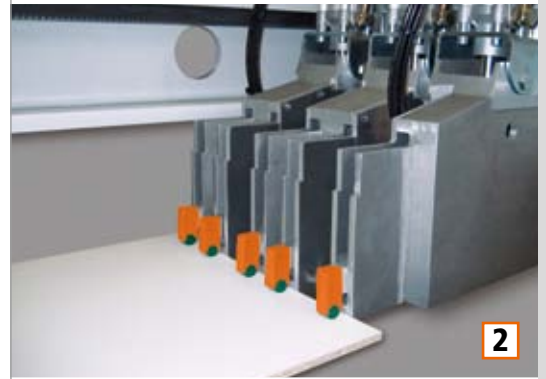


■ **Remnant Cutting Device**

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]

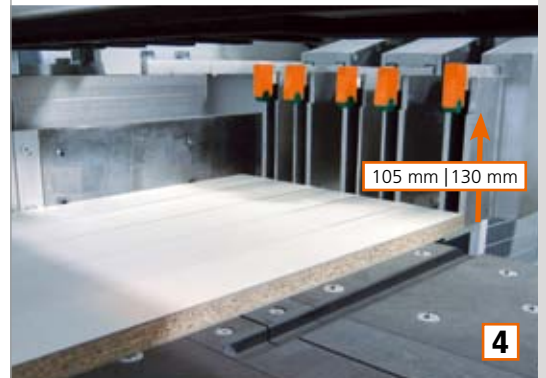
The high performance software package for large HOLZ-HER industrial saws.

- 21,5" Flat screen as standard feature
- Graphical 3D user interface for intuitive control
- OptiCut and EasyPlan optimization software preinstalled
- 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 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.



ZENTREX	6220 classic	6220
Machine data		
Cutting length	3300 mm, 4300 mm	3300 mm, 4300 mm, 5900 mm
Cutting width	3150 mm, 4250 mm, 6250 mm	3150 mm, 4250 mm, 6250 mm
Weight	6100 – 8000 kg*	6100 – 8000 kg*
Saw blade projection	105 mm	130 mm
Sawing unit	15 kW	18 kW
	380 mm, Ø saw blade	430 mm, Ø saw blade
	18 kW	21 kW
	21 kW (controlled)	25 kW (controlled)
Scoring unit	2.2 kW	2.2 kW
	180 mm, Ø saw blade	180 mm, Ø saw blade
Postforming unit	280 mm, Ø saw blade	280 mm, Ø saw blade
Saw carriage		
Forwards	1 – 100 m/min	1 – 130 m/min
Reverse	150 m/min	150 m/min
Programmable pusher		
Positioning speed	25 m/min	25 m/min
Reverse speed	100 m/min	100 m/min
Workpiece clamps	2–6 pieces	2–6 pieces
	Intelligent workpiece clamps	Intelligent workpiece clamps
Side alignment	Controlled (1 roll)	TwinPress, servo-controlled (2 rolls)
	TwinPress, servo-controlled (2 rolls)	x
Machining and support tables	Air cushion	Air cushion
	Additional support tables	Additional support tables
Alignment pins	Pneumatically controlled	Pneumatically controlled

*depending on machine size

Standard
 Optional
 x
 Not possible

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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