HOMAG SAWTEQ B-130
(HPP 130 32-32 US EDITION)

For illustration purposes only. Delivered machine may not be the same color or have the same markings as shown in the picture above.

Automatic panel saw for chip-free dimensionally accurate cut-to-size of laminated and raw wood-based panels and other panels with similar cutting characteristics like wood-based panels.

Operator Panel

- with swiveling movement. This flexibility of swiveling allows the greatest range of positioning for the operator.
- CADmatic control with assistance graphic
- With a 21.5-inch full HD multitouch display in widescreen format

Powercontrol V2.1

Modern control system based on a Windows PC

Hardware:

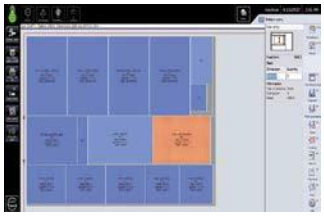
- PLC control accord. to International Standard IEC 61131
- modern PC with operating system Windows 7
- backup manager and storage medium for comfortable data backup
- USB connection
- digital drive technology
- decentralized, digital field bus system
- virus protection software
- network compatible

Powercontrol V2.1 (continued)

Software:

- equal HOMAG operating surface powerTouch
- ergonomic touch operation with gestures such as zooming, scrolling and swiping
- easy navigation for equal and intuitive operation of the machine
- integrated tool management with acquisition of wear data
- error diagnostics supported by true photos and video sequences

CADmatic 5.0 Control



3D assistance graphic with preview and review feature

The 3D assistance graphic uses a realistic representation of the saw to show all work processes to be executed manually from various, selectable perspectives, until these processes have actually been executed. The different coloring of the parts symbolizes the various processing states. It is therefore possible to identify all the information necessary for a smooth workflow quickly and easily at all times.

fixed position: The program fence is used as a fixed-position stop, with clamps either open or closed. Input lists can be saved. Easy trimming of edges.

cutting pattern input: The full range: This is where you enter all the data that your saw needs to complete complex rip and cross-cut patterns.

cutting to length: Cutting to length is controlled by a number of pre-settings, allowing you, for example, to enter the book height and to specify whether the clamps should open at the end. In addition, it is possible to save dimension lists that have already been entered. Finally, your input data is checked for plausibility

single parts: For single cuts, enter the required part dimension as well as the trims in the longitudinal and transverse directions separately. Depending on the number of required parts, the system suggests a certain layout and takes into account any available panel formats for the selected material.

graphically supported diagnostics: The graphically supported diagnostics show you immediately if, for example, an emergency stop has been activated or a service action is required. What's more, if your saw is equipped with a modem or an Internet connection (TeleServiceNet), technical support can rectify the majority of errors directly online. This feature saves time and increases your productivity.

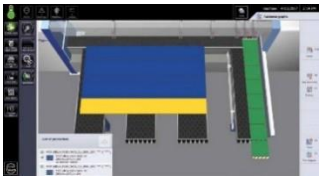
cutting pattern management: Individual production sequences can be defined using the program sequence feature (including parts overview).

parameter management: Trim dimensions, speed or acceleration: CADmatic allows you to define basic machine settings, known as material parameters. These parameters are then automatically accessed for each cutting process. In order to do so, you create a user-defined parameter list. You also have the option of changing the stored values whenever necessary.

CADmatic 5.0 Control (continued)

tool management: How much material have you already cut with this saw blade? Does its condition still meet your quality requirements? The tool management feature knows the exact answers to such questions and indicates when it is time to change the blade. To make use of this feature, simply enter estimated values for the specific material mix. Do you use a number of different tools? If so, you can save the respective parameters under an appropriate name. The software then assigns the data for usage and volume to each tool separately. If a tool has to be replaced due to wear, you simply reset the corresponding counter to zero.

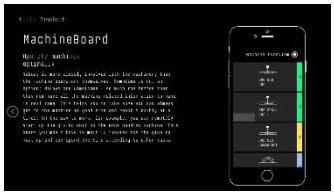
HOMAG powerTouch Operating Panel



The powerTouch operating panel comprises an extra-large widescreen monitor with touch function. Zoom, swipe, scroll-simple, smartphone-style movements are sufficient to utilize the control software's entire range of functions. CADmatic 5 also offers many further benefits.

- Intelligent production readiness display
- Softkey buttons
- Standardized navigation: all content can be selected via a single window
- Uninterrupted operation thanks to software messages that briefly appear and automatically disappear using speech bubble technology
- MMR Basic for need-based maintenance and for recording key machine data

Tapio Ready



- the machine is prepared for the connection to tapio Cloud
- the machine is delivered as "tapio ready"
- please consider that the offers and services of the tapio platform only can be used when you register for this and when you activate the corresponding functionalities. Otherwise "tapio ready" functionality only establishes a connection to the tapio agency service which checks by means of the machine number if the corresponding machine is activated for using the tapio platform

Panel size (maximum)	**3200 mm x 3100 mm**	**125.98" x 122.05"**	
Panel size (minimum)	**50 mm x 50 mm**	**1.97" x 1.97"**	
cutting length		**3200 mm**	**125.98″**
cutting width	**travel of program fence**	**3100 mm**	**122″**
working height		**920 mm**	**36.22"**
total connected load	**11.4 kW**	**Voltage**	**480 v**
Amperage	**24.4**	**Recommended prefuse amps**	**32**
air pressure	**required**	**6 bar**	**86 lbs.**
total air volume	**based on 6 bar**	**150 nl/min.**	**5.3 cfm**
extraction	**minimum (velocity)**	**2600 m3/h (26 m/sec.)**	**1530 cfm**
diameter of dust connectors	**pressure beam**	**100 mm**	**3.93″**
diameter of dust connectors	**saw carriage**	**160 mm**	**6.30″**

Saw Carriage

- Automatic continuous cutting length control by sensor provides optimal saw carriage travel distance, regardless of strip width.
- Cutting speed infinitely variable; adjustable from control panel.
- Simple manual scoring saw adjustment.

Main and scoring saw motor		**7.5 kW**	**10 hp**
projection of main saw blade (max. blade diameter 300 mm)	**max.**	**60 mm**	**2.36″**
saw carriage speed forward		**0-60 m/min.**	**0-196 fpm**
saw carriage speed reverse	**constant**	**60 m/min.**	**196 fpm**

Automatic Side Pressure Device

- Integrated into saw carriage.
- Precisely positioned by the saw carriage to reduce cycle times.
- Pressure electrically adjustable.
- Automatic positioning via sensor, no pre-adjustment required.
- Alignment width: Min. 0 mm -Max: complete cutting length of machine.
- Heavy steel right angle fence is part of the machine frame leg for consistent, square cuts.

Pressure Beam

- Minimum opening for blade passage to exert pressure right at the cutting line, where it is needed.
- Guided equally on both sides by racks and pinions, which guarantee that the pressure beam remains parallel, even when cross cutting a single stack of narrow strips.
- Pressure applied equally on both sides of cutline resulting in superior cut quality.

Clamp-Equipped Program Fence

- AC servo drive electronically controls the program fence for quick, accurate positioning, with minimal wear and tear.
- The saw control constantly drives the program fence at the optimal speed of travel, regardless of distance traveled for short cycle time.
- HOMAG's unique clamp design keeps single panels or complete books of panels clamped and under control of the program fence until the rip or crosscut operation is completed.
- Upper clamp jaw is covered with a special, non-marring pad, preventing any possible damage to the surface of the panel material
- Magnetically based measuring system, completely independent from the drive system of the program fence with no wear, or even touching parts for long working life.

Clamp-Equipped Program Fence (continued)

Program fence speed forward		**25 m/min.**	**82 fpm**
Program fence speed reverse		**60 m/min.**	**196 fpm**
5 clamps		**50 mm** **250 mm** **450 mm** **1200 mm** **2700 mm**	**1.95″** **9.84″** **17.72″** **47.24″** **106.29”**

Machine Tables

- Rear support table consists of rails with narrow pitch rollers for friction-free panel movement and protection from scratches.
- Machine bed is covered with large, friction-free plates with gaps at the positions of the clamps.
- Air tables at the front of the machine for easy material handling.

Air Tables

- One (1) Air Table 1800 mm x 650 mm (71” x 25.6”)
- Two (2) Air Tables 1800 mm x 500 mm (71” x 19.69”)

General Information

Pneumatic shut off valve for the pressure beam is recommended (to be provided by customer).

- Minimum operating temperature +5f
- Maximum operating temperature +35f
- If the maximum operating temperature is exceeded, an optional cooling unit should be used

Shop floor requirements:

- Concrete grade C25/30
- Concrete thickness min 200 mm (7.87”)
- Without covering layers e.g. parquet, bitumen etc.
- Customer is responsible for grouting all the machine legs with non-shrink machine grout after the assembly has been completed.