

## **Electronic Panel Saw Optimat CH 03 Plus**

### **A Professional Tool**

- Electronic Program Fence
- Pneumatic Clamps
- Side Aligner
- Graphic Controller/  
PC Controller
- On-Line connection/  
Optimization

# "Optimat CH 03 Plus"

The world of electronic beam saws at your reach

Homag Espana has created an electronic beam saw with grippers which will easily solve all your cutting needs, both custom and production work. Optimize cutting patterns to send to the CH 03 Plus Controller, pneumatic grippers which ensure a total control of the panels, automatic cutting cycles and a side aligner for square cuts are only a few of the features that will make the CH 03 Plus the essential machine for your production.

An optimum cutting quality, accurate dimensions, intelligent working process, the CH 03 Plus is the beam saw to consider.

## The graphic controller



The Optimat CH 03 Plus is equipped with a Graphic Controller capable of displaying cutting patterns and their execution during the automatic production cycle. This helps the user in the manipulation of the pieces to cut. Optionally you can connect a PC to the machine controller via a serial cable (Rc 232) to send cutting patterns generated by an optimizer.

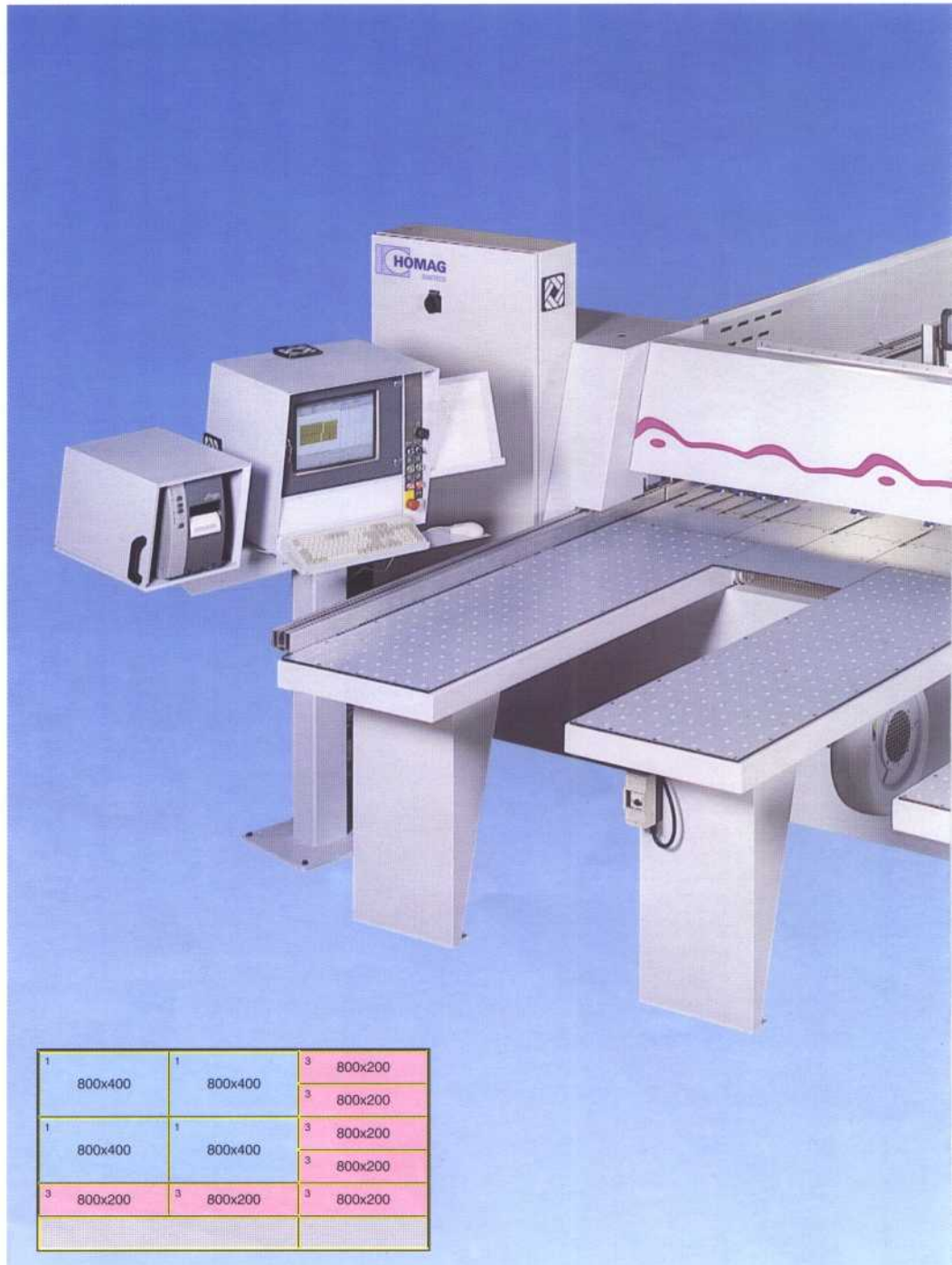
## The PC Controller



Graphic, menu driven software controller based upon a brand PC with Windows® operating system. The PC Controller comes standard with a network card (Ethernet 10/100 Mbit-RJ 45) a 56K modem card and remote connectivity Software (prepared for remote diagnostics) and a 15 inch colour monitor with keyboard and Mouse. Optionally this controller allows

connection to networks, label printer, Optimizer or barcode reader.

Both controllers let you work in Manual, Semi-automatic and Automatic modes (including a cutting pattern editor to easily create your own patterns).



1	800x400	1	800x400	3	800x200
				3	800x200
1	800x400	1	800x400	3	800x200
				3	800x200
3	800x200	3	800x200	3	800x200



**Optional equipment:**

Several options round up the versatility of the Optimat CH 03 Plus:

- PC Controller
- Air Tables
- Additional Clamps
- Miter Gauge
- Grooving Device
- Laser
- Main Saw Blade RPM Potentiometer
- Spraying Device
- Optimizer Software
- Label Printing (only with PC Controller)



Side Aligner for cross cuts



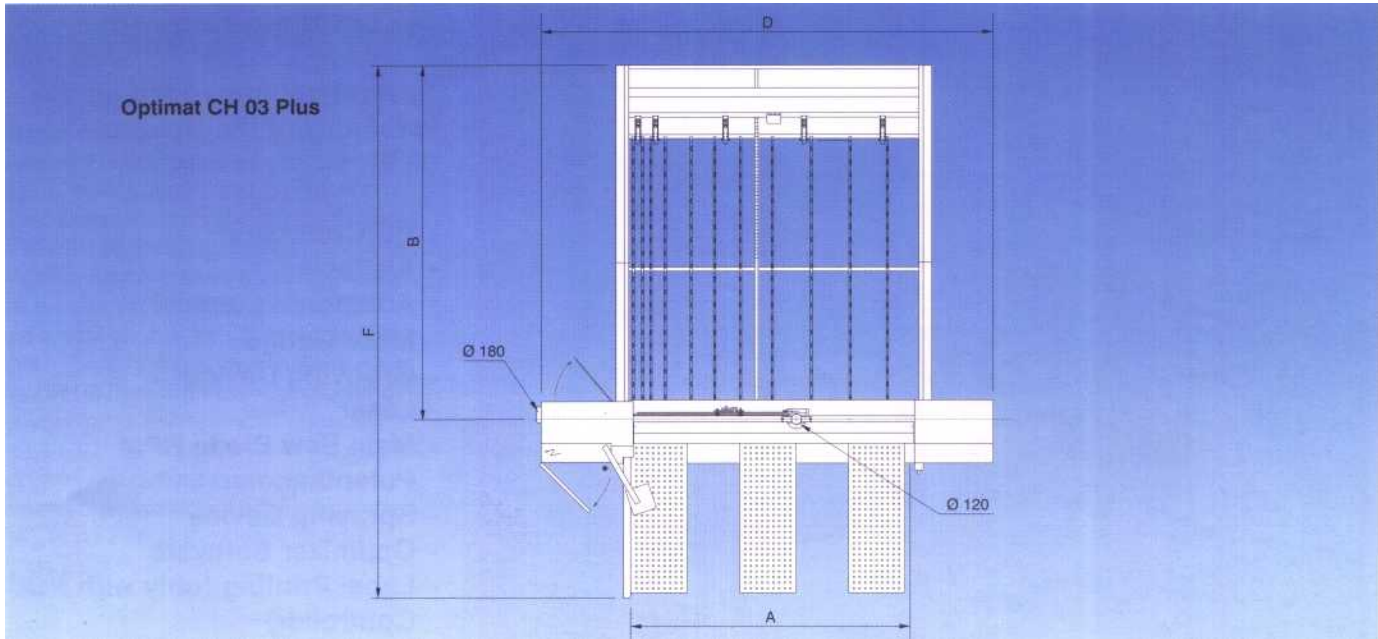
Saw carriage

**Technical Features**

- Heavy Duty machine bed to ensure an optimum cutting quality.
- The Program Fence with bilateral rack and pinion guarantees absolute parallelity in the cuts.
- Semi-Automatic side Aligner for crosscuts, 100 to 1250 mm.
- High Precision Electromagnetic Measuring System.
- Maintenance free saw carriage guides.
- Special linear saw guides.
- Scoring Saw separately disconnectable (only with PC Controller).
- Compliant with CE safety, dust emission and noise regulations.
- Fast cutting cycles with automatic saw carriage travel limitation.
- Electronic control of saw carriage speed.
- Pressure beam with bilateral rack and pinion and cut outs for a minimum last piece.

**The Optimat CH 03 Plus has all the versatility and efficiency of an electronic beam saw at a minimal cost.**

# Technical Data



		Optimat CH 03/32/32/E Plus	Optimat CH 03/38/38/E Plus			Optimat CH 03/32/32/E Plus	Optimat CH 03/38/38/E Plus
<b>Machine dimensions</b>				Connected load:	kW	11	11
Total width D:	mm	5200	5800	Extraction at 25 m/sec.:	m <sup>3</sup> /h	3200	3200
Total depth F:	mm	6200	6800	Air pressure:	bar	6-7	6-7
Total height:	mm	ca. 2000	ca. 2000	Air connection:		R 1/2"	R 1/2"
Working height:	mm	920	920	<b>Other details</b>			
Gross weight:	Kg.	ca. 3700	ca. 4100	Main saw power:	kW/Hz	5,5/50	5,5/50
<b>Working dimensions</b>				Main saw blade speed:	r.p.m.	5100	5100
Cutting length A:	max. mm	3200	3800	Main saw blade diameter:	mm	300x75x4,4	300x75x4,4
Cutting width B:	max. mm	3200	3800	Scoring saw power:	kW/Hz	1,1/50	1,1/50
Cutting height:	max. mm	50	50	Scoring saw speed:	r.p.m.	5500	5500
<b>Connecting values</b>				Scoring saw diameter:	mm	150x45x4,3-4,5	150x45x4,3-4,5
Operating voltage-frequency:	V/Hz	380/50	380/50	Saw carriage advance speed:	m/min	6-32	6-32
Controller voltage:	V/DC	24	24	Program fence advance speed:	m/min	18	18
				Number of clamps:		5	5

Your sales partner:



**Homag Sawtech, S.A.**

Pol. Ind. Mas Dorca

E-08480 L'Ametlla del Valles

(Barcelona) Spain

Tel. 00-34-93-843 17 00

Fax. 00-34-93-843 17 07

e-mail: [info@homag-sawtech.com](mailto:info@homag-sawtech.com)

[www.homag-sawtech.com](http://www.homag-sawtech.com)