

HORIZONTAL AUTOMATIC BEAM SAWS

GABBIANI P



MAIN FEATURES



SELECTABLE AIR BLOWING TABLE: AN ESSENTIAL TOOL



OVERHEAD SIDE PROTECTIONS: MORE SPACE FOR THE WOODWORKING WORKSHOP



FLOATING CLAMPS: THE GUARANTEE OF THE END RESULT

TECHNICAL DATA

GENERAL DATA		gabbiani p80
Blade projection	mm	80
Worktable height	mm	950
Standard clamps	q.ty	5
Total clamps for 33/38/43 version	q.ty	9 / 10 / 10
Total clamps for 33/38/43 version with FlexCut 1 as optional device (single clamp with double finger included in the device)	q.ty	10 / 11 / 11
CUTTING DIMENSIONS		
Version 33	mm	3300x2100
Version 33 (opt)	mm	3300x3200
Version 38	mm	3800x3200
Version 38 (opt)	mm	3800x3800
Version 43	mm	4300x3200
Version 43 (opt)	mm	4300x4300
AXES SPEED		
Variable saw carriage speed	m/min	6 – 60
Variable pusher speed	m/min	60
MAIN SAW BLADE		
Motor power (S6 -40%) - 50hz (star-delta start)	kW (Hp)	7 (9) (11)
Rotating speed – 50 hz	rpm	4650
Blade diameter	mm	340
Blade shaft diameter	mm	80
SCORING SAW BLADE		
Motor power (S6 -40%) - 50hz	kW (Hp)	1,5 (2)
Rotating speed – 50 hz	rpm	5850
Scoring saw blade diameter	mm	200
Scoring blade shaft diameter	mm	80
INSTALLATION		
Installed motor power	kW	12÷15
Basic machine voltage		EU(400 V / 50 hz)
Compressed air consumption	NL/min	300
Requested operating pressure	bar	7
Extraction flow rate	m3/h	2440
Exhaust speed	m/sec	20
Exhaust outlet diameter	mm	4x120

GENERAL FEATURES:

Automatic horizontal beam saws controlled by PC/PLC control system, designed to cut to size solid wood panels, chipboards, MDF panels, multilayer panels, plywood panels and fiber panels.

Base and working table

- base with tubular steel structure
- worktable in reinforced ribbed steel and bakelite coated
- squaring fence located on the left side

Steel saw blade carriage

complete with

- 1 motor for the main saw blade and 1 motor for scoring blade
- vertical saw blade raising on prismatic guideways with recirculating ball bearing
- sliding wheels in hardened and ground steel
- massbalancing to guarantee perfect cutting finish
- stroke against the squaring fence
- saw carriage driven by rack and pinion
- Cylindrical guides for the saw carriage sliding
- Guides in hardened and ground steel (5 years guarantee) protected by a special dust scraper.
- Pneumatic selector for the safe and rapid change of the main blade and scoring blade

Pressure beam

- pressure beam with even pressure on entire cutting length, equipped with slots to eliminate the interference zone with the clamps; pneumatic vertical adjustment with precision racks and pinions, pressure adjustable from 1,5 to 6 bar
- double dust conveying system: one on the top applied directly to the pressure beam to keep the working table clean and one on the bottom applied to the saw carriage
- Automatic side alignment device:
 - * with pneumatic cylinder on the entire length, sliding on prismatic guideways with recirculating ball bearing
 - * stroke 1.200 mm:
 - * minimum width: 60 mm
 - * maximum width: 1200 mm

Pusher and rear machine part

- power-driven pusher for the entire machine stroke with movement by a robust torsion bar. Shaped steel beams on "**H**" support for pusher movement. Sliding takes place on 2 precision pinions to guarantee that the pusher and the cutting line are constantly parallel. The pusher is driven by an brushless motor to allow a variable speed positioning and quick return
- pressure adjustment for clamps locking
- rear part with tubular supports with wheels made of antiscratch material and with a bakelite-coated table (350 mm width) positioned on the squaring fence side to facilitate crossways cutting of thin strips.
- Encoder for the pusher positioning

CNC CONTROL UNIT

Control System with PC and PLC "M241"

Console with integrated PC "eye-M"

Device connected to the CNC machine which allows the usage of the supplied software.

It is equipped with (minimum features):

- Industrial PC (PC panel): "Fanless" construction";
- IP53 grade protection (IP65 on the front side)
- LCD colour display: 21,5" screen size; Full HD display resolution; 16/9 format; LED Background lighting; capacitive multi-touch system with 10 points of contact; visual angle 176° Horizontal/160° Vertical; "Zero Pixel Defect" quality granted
- Processor type: Intel Pentium- 2,9GHz
- RAM memory: 8GB
- Hard disk: 256 GB
- O.S.: Windows 10 - 64bit
- Keyboard type: QWERTY English layout
- Mouse: wired – 3 functions
- Ethernet port: RJ45
- USB port: 1 available, 3.0 protocol supported
- Nominal operating temperature: +5°C / +35°C

HARDWARE

TELESOLVE teleservice via internet

Teleservice system to connect the machine pc with the service center via Internet.

Software equipment: connecting program which allows:

- operator's interface visualization
- signals diagnosis
- on-line verification and modification of the status of configurations, parameters and machine programs
- data back-up and files transfer operations
- upgrade operations for machine logics and operator's interface

N.B.

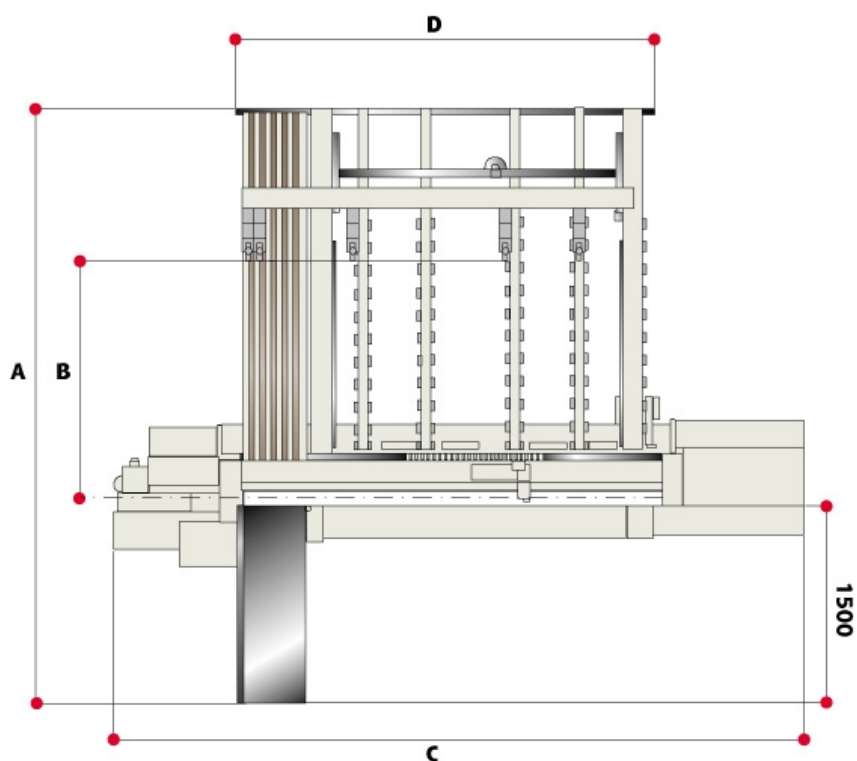
- Internet connection at customer's charge is necessary
- Network cable not included
- Free for the duration of the warranty

SAFETY REGULATIONS

- safety enclosures fixed to the machine
- electrical board with high safety features, complete with:
 - * dust-proof cabinet with padlockable main switch
 - * overload motor protection
 - * auxiliary low voltage circuit (110 v) for the commands, the electronic controls and low voltage signals
 - * safety microswitch on blade access door
- emergency bar on cutting line
- front safety protection with plastic fingers with compass movement

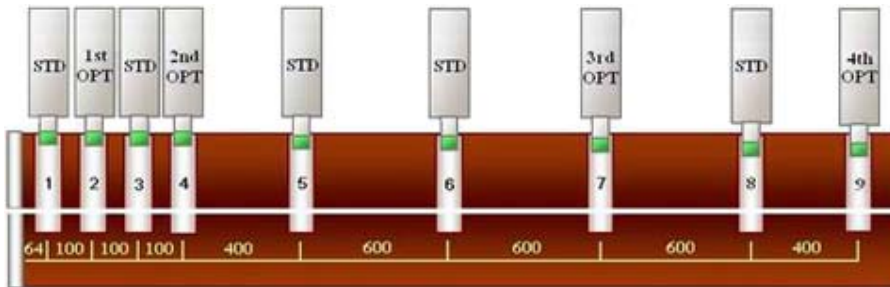
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	A	B	C	D
3300x2100	4900	2100	5400	3700
3300x3200	6000	3200	5400	3700
3800x3200	6000	3200	5900	4200
3800x3800	6600	3800	5900	4200
4300x3200	6000	3200	6400	4700
4300x4300	7100	4300	6400	4700

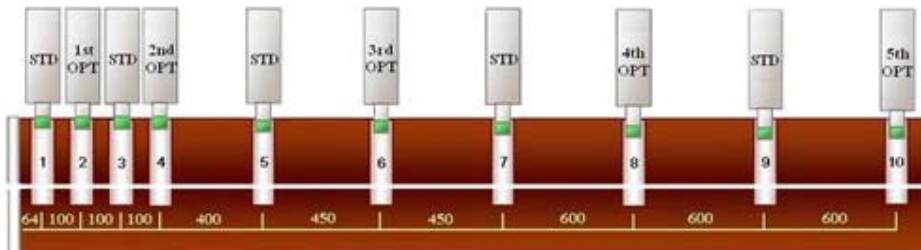


DRAWING OF CLAMPS POSITIONING

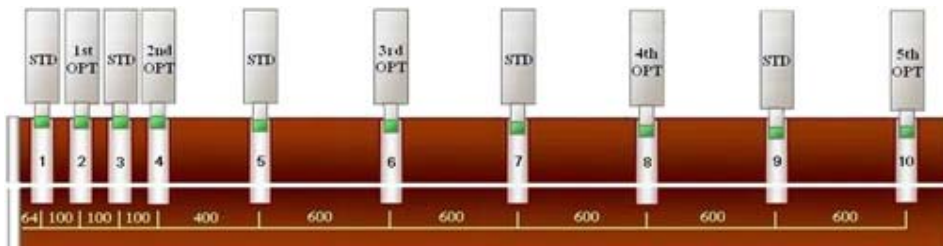
Machine with cutting length 3300mm



Machine with cutting length 3800mm

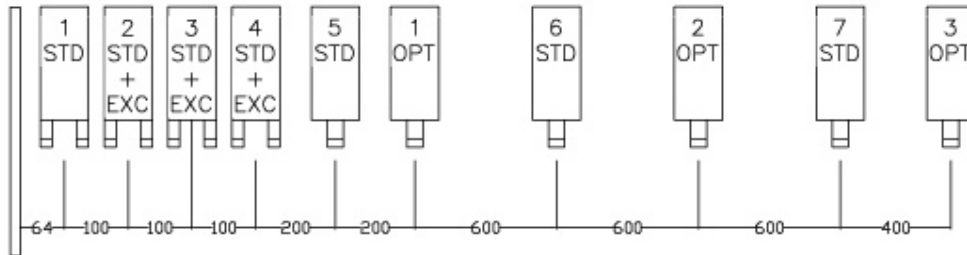


Machine with cutting length 4300mm

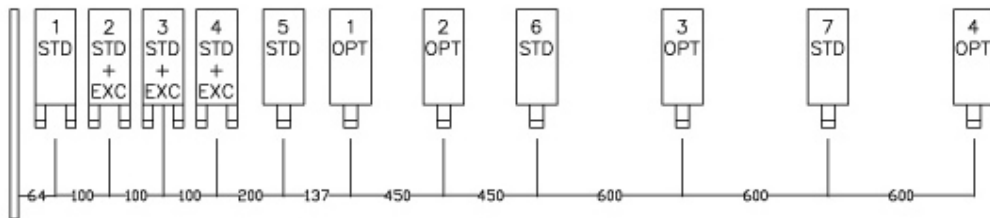


Gabbiani P DRAWING OF CLAMPS POSITIONING with FlexCut 1

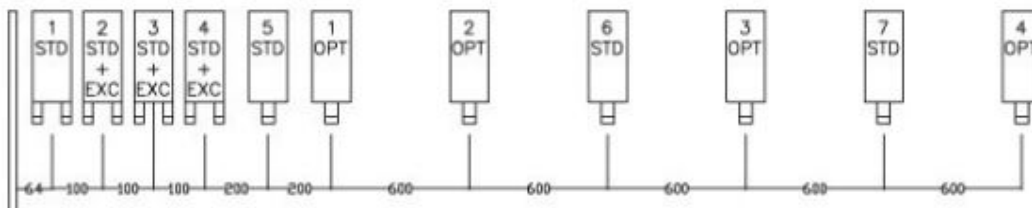
Machine with cutting length 3300 mm



Machine with cutting length 3800 mm



Machine with cutting length 4300 mm



Production Code: GABBIANI P80

109999	Security execution	N. 1
R00483	gabbiani p80 (33)	N. 1
	MAESTRO ACTIVE Human-Machine interface software (HMI)	N. 1
	Maestro pattern	N. 1
930731	Volt 400 EU	N. 1
931201	Frequency 50 Hz	N. 1
	Console with integrated PC "eye-M"	N. 1
990051	P.C. Language	N. 1
590153	Electric cabinet with air conditioning device	N. 1
590134	Cutting depth 3200 mm (for Version 33)	N. 1
590140	Fixed air floating table 2500X600mm with fence and rollers	N. 1
590093	Mobile air floating table 1500x600mm with rollers	N. 1
590164	Double automatic side alignment device	N. 1
301230	Start/Stop cycle pedal	N. 1
590279	Main blade motor power 11kW (15HP) (S6 -40%)- 50hz	N. 1
590244	Carriage with independent raising of main sawblade and scoring blade	N. 1
590245	Optimised blade lifting on 2 levels (intermediate/maximum)	N. 1

900088	Magnetic band	N. 1
590195	Automatic measures of panel size	N. 1
590191	High Speed	N. 1
590144	Extra clamp each	N. 1
205008	Uninterrupted power supply unit for PC	N. 1
590044	Compact label printer - Labels printing with bar code	N. 1
590261	Cut editor	N. 1
590301	Maestro ottimo cut	N. 1
G90099	Maestro ottimo import	N. 1
590271	Maestro connect: Basic set-up (cabling only, for later gateway installation)	N. 1
087069	Pallet for Version 33	N. 1
109991	Machine language: ENGLISH	N. 1