

ATLANTIS



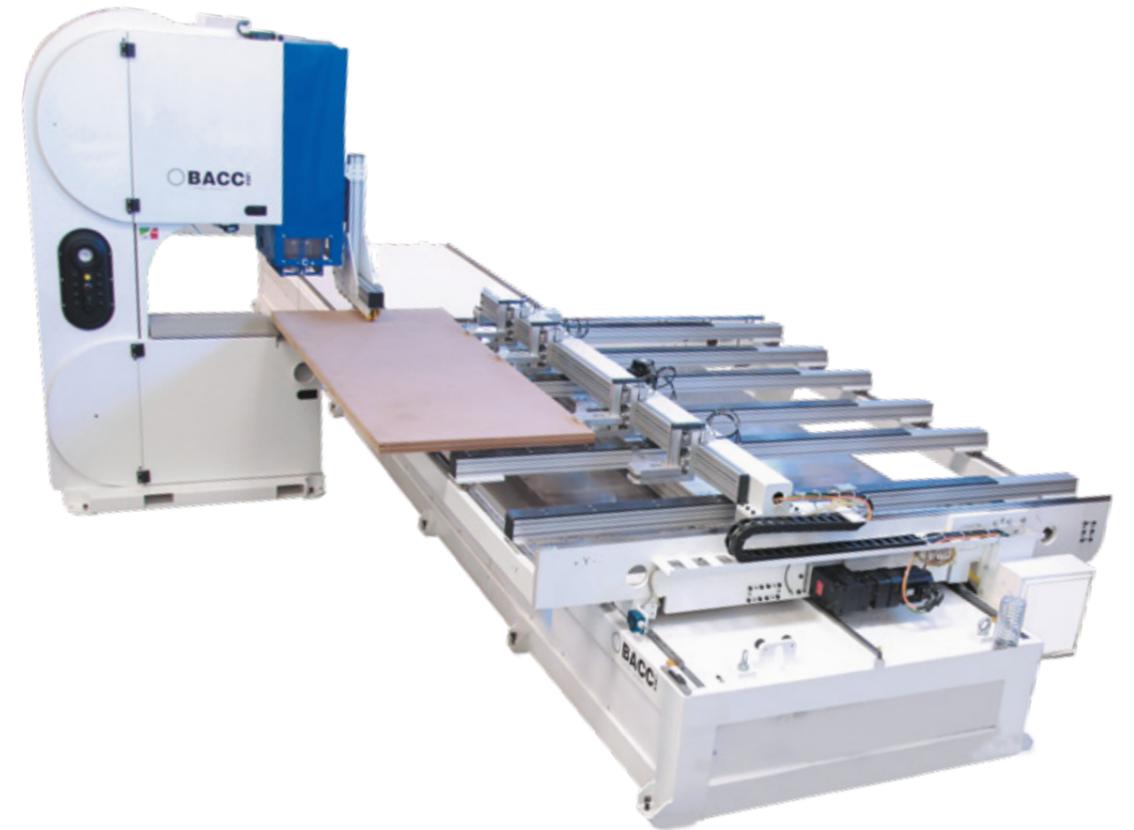
CNC **BAND SAWING**
CENTER



BACK TO THE FUTURE

Paolino Bacci, founder of **Bacci Company**, in 1918 designed his first traditional band saw.

After many years Bacci company now produces advanced CNC band sawing centers with the same heavy-duty concept of 100 years ago.

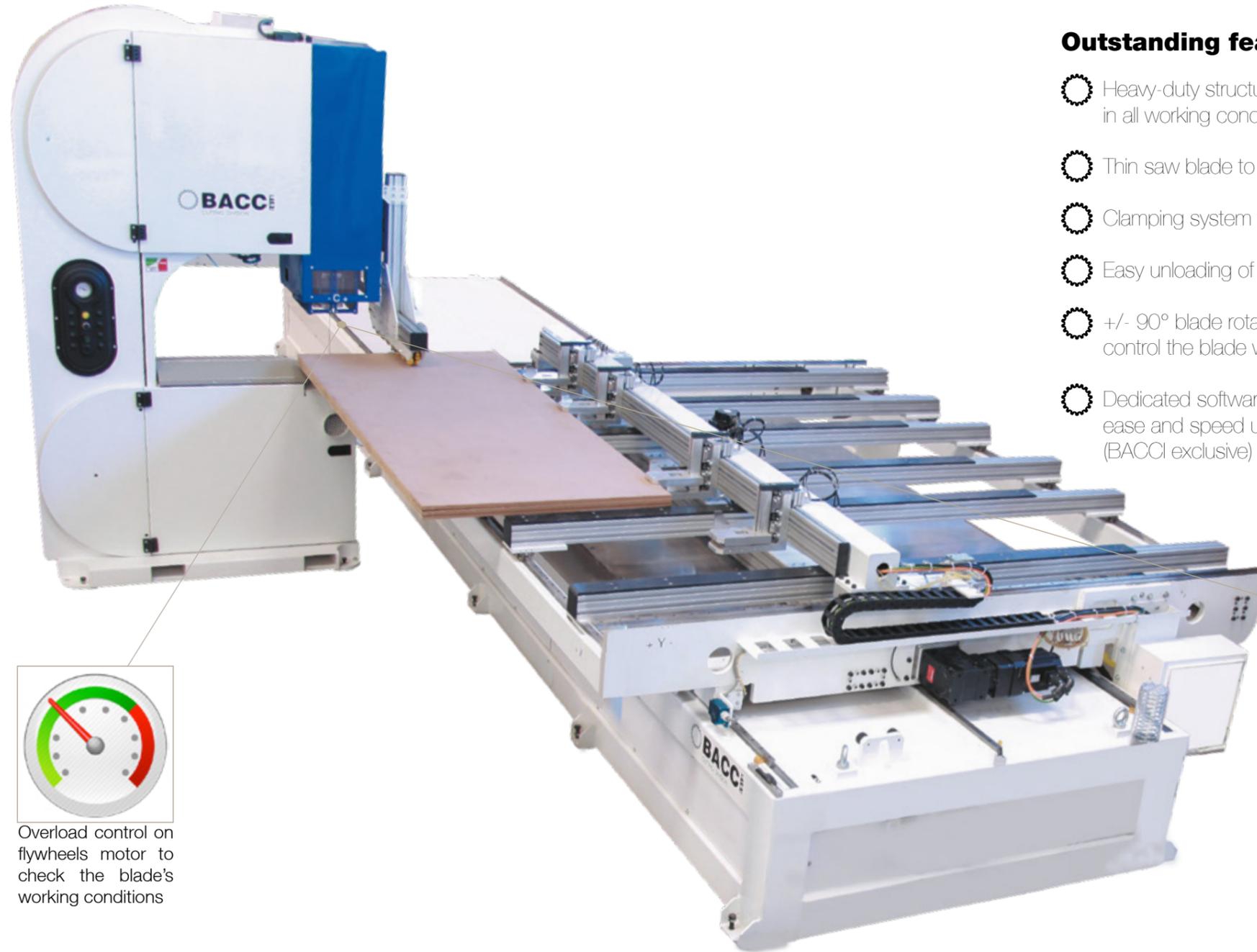


ATLANTIS
CNC BAND SAWING CENTER

Index

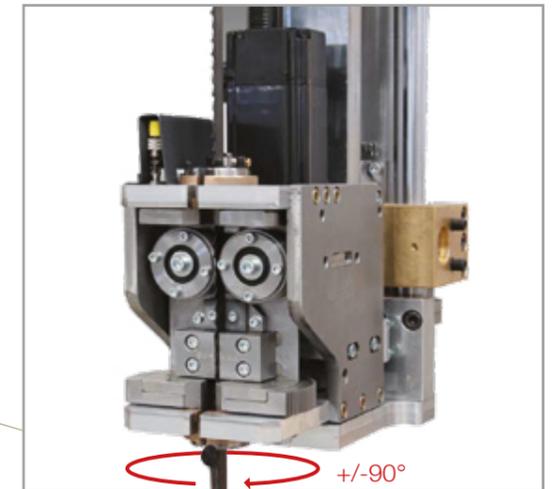
3	Overview
4 5	ATLANTIS
6 7	Structure
8 9	Optionals
10 11	Software
12 13	Applications
14 15	Technical Data

PRECISE AND SAFE AS A CNC MACHINE
PRODUCTIVE AS A THROUGH FEED MACHINE
EASY AS A TRADITIONAL MACHINE

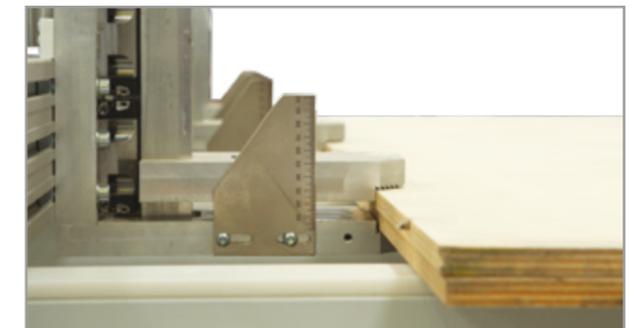


Outstanding features:

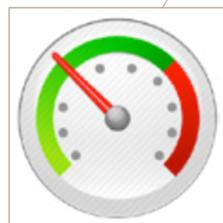
- ⚙ Heavy-duty structure and premium quality components to ensure maximum rigidity in all working conditions and full functionality of the machine overtime
- ⚙ Thin saw blade to maximize the yield
- ⚙ Clamping system to stack multiple boards for higher daily output
- ⚙ Easy unloading of cut parts while machine is working
- ⚙ +/- 90° blade rotation with overload control feature, grant the higher cutting speeds and to control the blade working life
- ⚙ Dedicated software plug-in (alphacam based) to ease and speed up the machine's programming (BACCI exclusive)



Rotating blade-holder guides +/-90°



Pneumatic clamps allow to stack panels up to 150 mm height



Overload control on flywheels motor to check the blade's working conditions

Info

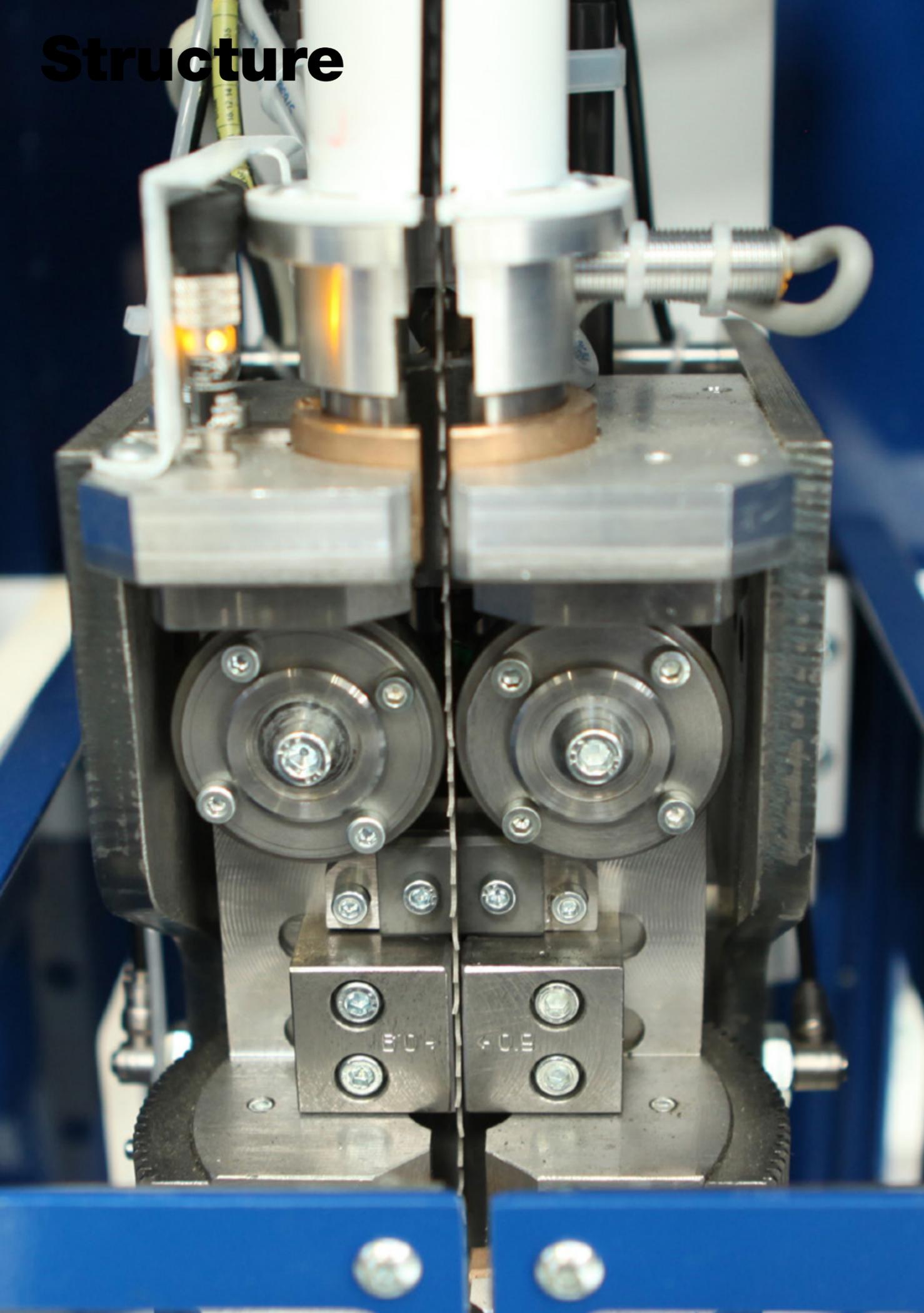
ATLANTIS is a CNC band sawing center equipped with 3 interpolated axes (X, Y, C) to perform curved cuts on panels or boards of any size. The loading system through pneumatic clamps allows to load multiple stacked panels up to 150mm in height.

technical data

C axis blade rotation	±90°
Cutting length	0 ÷ 1.500/2.500/3.000 mm
Loading depth	1.350 mm/1.500/2.100 mm
Cutting depth	750 mm
Cutting height	0 ÷ 150 mm
Minimum cutting radius	50 mm*

ATLANTIS

* According with the blade equipped



BAND SAW FRAME



Monolithic heavy duty band saw frame



Full solid steel cast flywheels quick changing system for rubber



TABLE

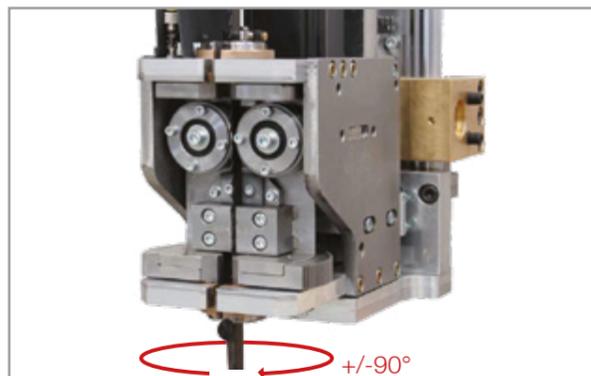


Tables structure made with welded steel structures to ensure maximum rigidity in all working conditions.



Very rigid pneumatic clamps to hold stacked panels up to 150mm

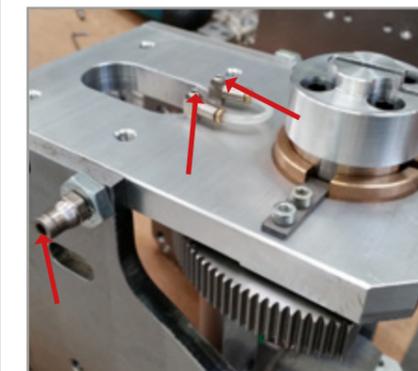
BLADE GUIDES



Blade guides driven by 2 independent servomotor with reducer for the maximum precision



Blade guides driven by 2 independent servomotors



High pressure blower clean the rack and pinion continuously

Options



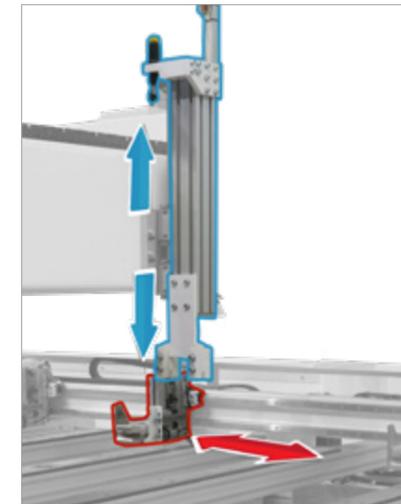
Automatic loading system



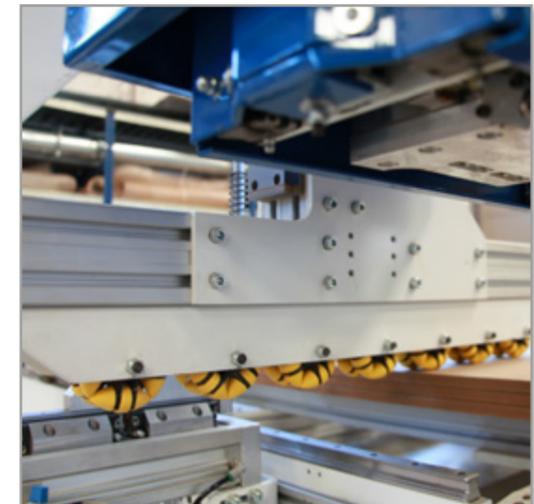
Belt for cut pieces and waste collection



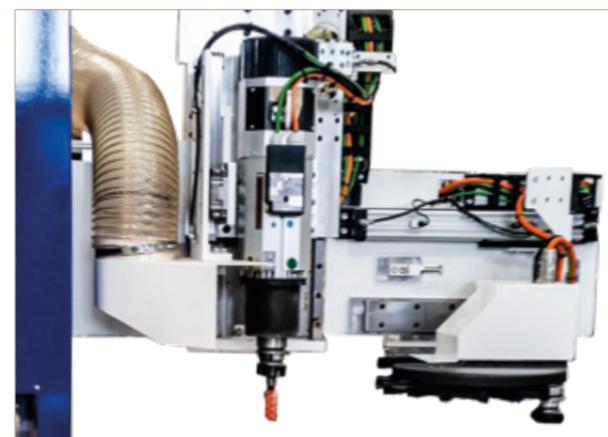
Rails automatic positioning



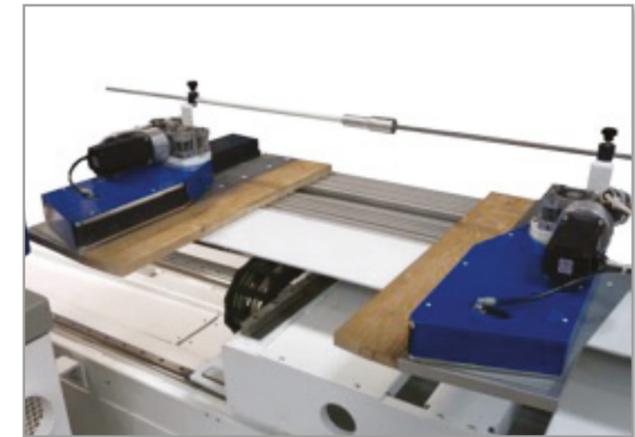
Clamps automatic positioning



Omni Wheel pressure roller to hold down the stacked panels during the sawing operations

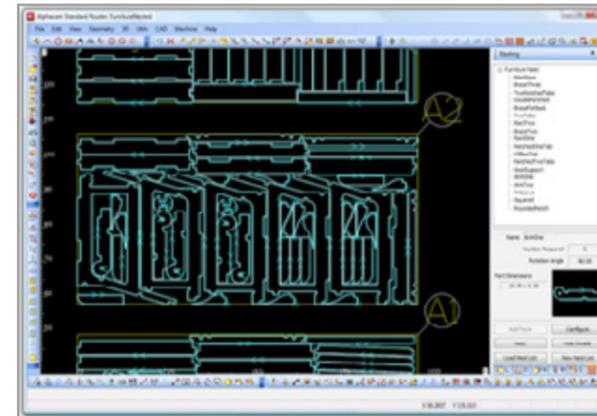


3 axes router spindle with exhaust hood and automatic tool changer. Drilling unit available as option



N°2 removable lateral roller feeders designed for solid wood timber boards

Programming Softwares



alphacam

MASTER.CUT CNC band saw is ready to be programmed with the optional cad/cam software Alphacam Essential.

In addition to Alphacam **BACCI** developed special DEDICATED PLUG-INS for MASTER.CUT

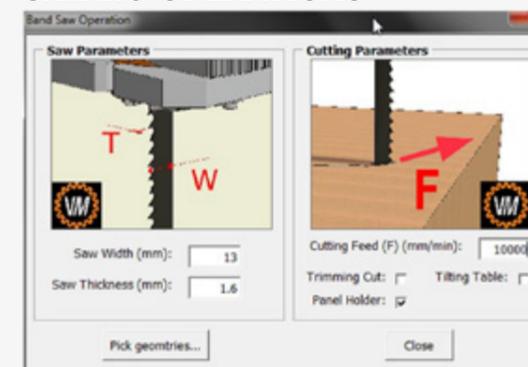
BACCI

EXCLUSIVE PLUG IN
for alphacam

BACCI Dedicated Plug-Ins ease the programming through standard commercial CAD/CAM softwares thanks to:

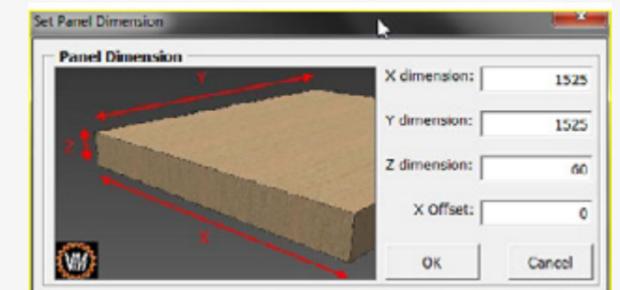
- Smart and user-friendly interface
- Few parameters to be set
- Fast sawing parameters setup (width/thickness)
- Easy cutting parameters setup

SAWING OPERATIONS



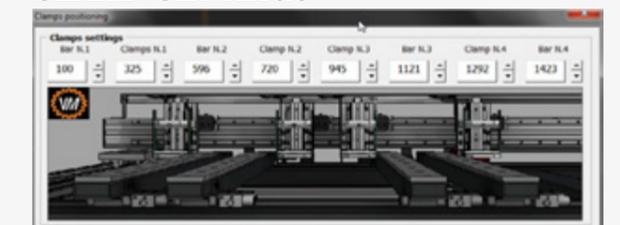
Saw parameters setup (width/thickness).
Cutting parameters setup.
Blade & cutting parameter setup

SET PANEL DIMENSION



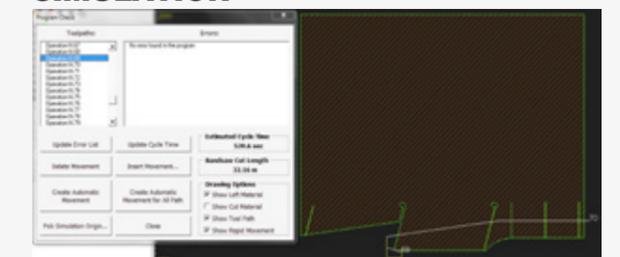
Easy set-up of the panel's dimensions

CLAMP SETTINGS



Customized setup of clamps and bars.
Clamp positioning simulation.

SIMULATION



Program check step by step. Estimation of cycle time. Removed material display. Collision check between blade and material.

Applications

Applications



CHAIRS



SPORT ARTICLES

FURNITURE



TABLES

INSULATING MATERIAL

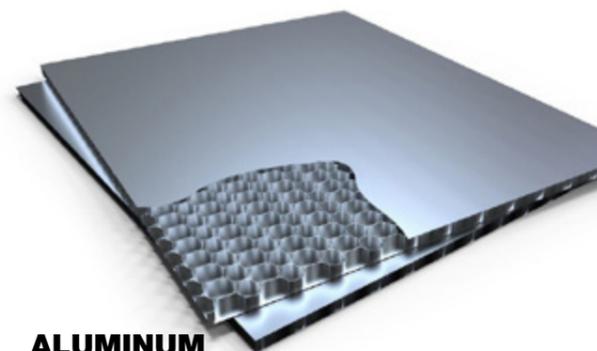


ROCKWOOL



CORK

FOAM

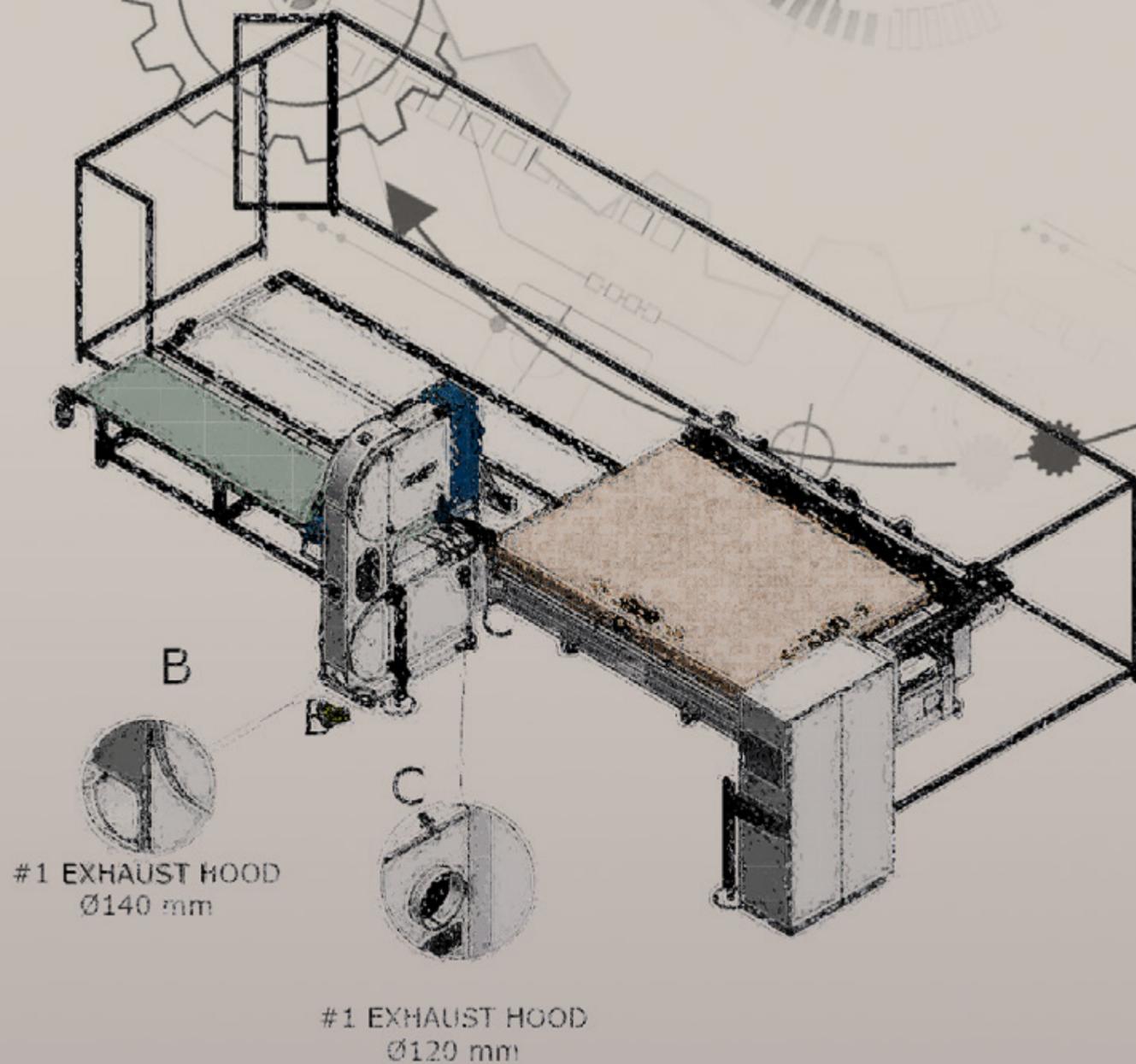


ALUMINUM



GYPSUM

Technical Data



BAND SAWING

CNC BAND SAW WORKING AREA (standard configur.)	2500x1350x150 H mm*
ANGLE OF CUT	+/- 90°
MINIMUM RADIUS OF CUT	50 mm**
CUTTING DEPTH	750 mm
BLADE SIZE	5900 x 13 mm/16 mm
FLYWHEELS DIAMETER	ø 800 mm
FLYWHEEL DRIVE MOTOR (SELF BRAKING)	kW 7.5/11

**according with the blade equipped

*WORKING AREA AVAILABLE

- 1.500X1.350X150 mm
- 1.500X1.550x150 mm
- 2.500X1.350x150 mm
- 2.500X1.550X150 mm
- 3.000X2.200X150 mm
- 3.000X2.500X150 mm
- 3.000X3.000X150 mm

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