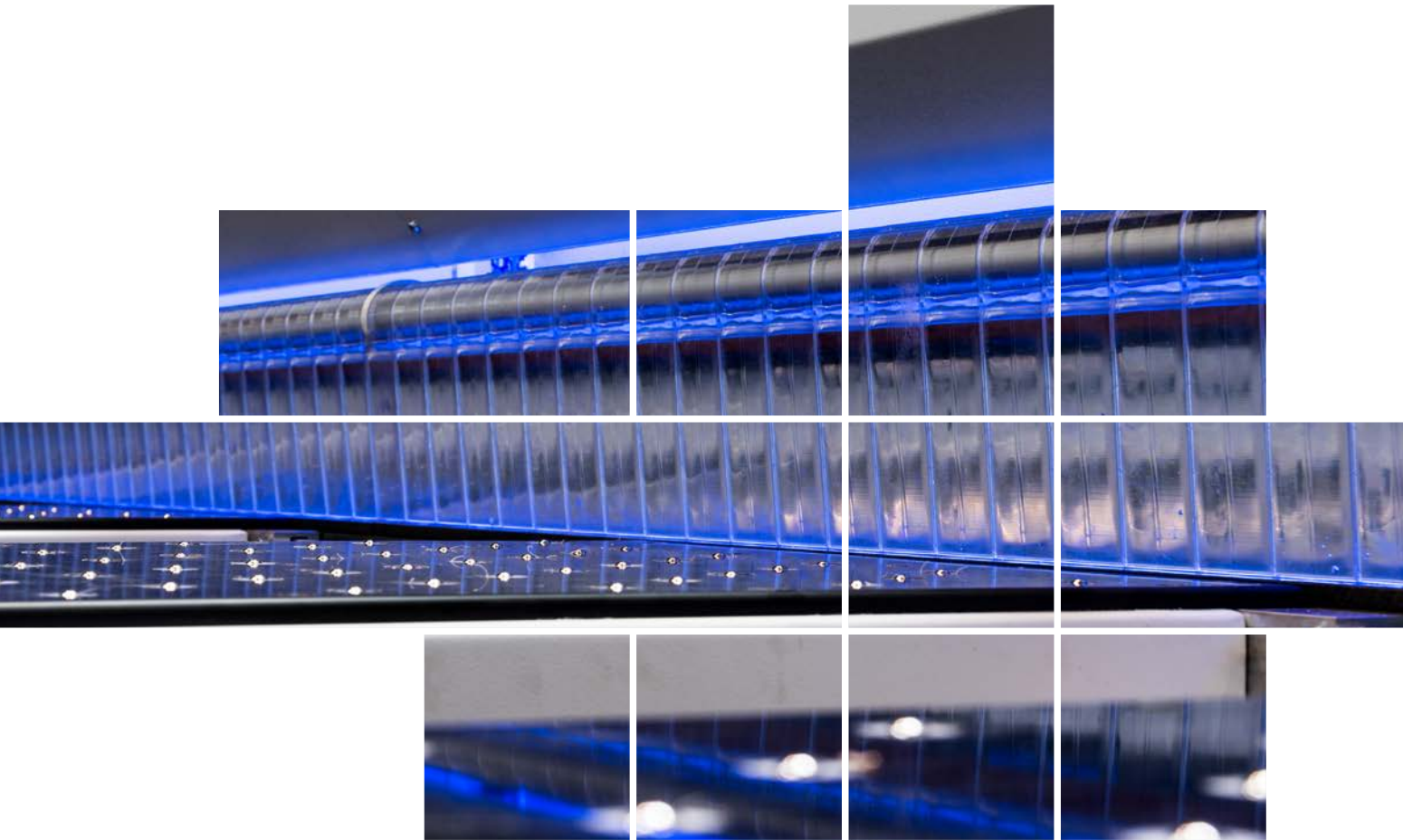


PANEL SIZING CENTER

ATLAS SERIES



Cutting edge technology since 1977

NIMAC
GROUP

ATLAS

80
100

New concept in beam saws by NIMAC GROUP

The most competitive European beam saw in the category of 5 panels cutting (105 mm blade projection).

Designed with state-of-the-art technology, ATLAS 80/100 implements solutions that maximize overall mechanical quality.



A robust torsion bar and precision rack guaranties a perfect parallelism of the pressure beam with respect to the working table. The grooved pressure beam allows the grippers to keep the panels clamped until the final cut. The handling of the machine becomes with a very easy and friendly control system that allows the fast implementation of programs of cutting.

OPTIONAL: Automatic pressure beam positioning according material's thickness.



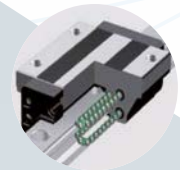
SLIDING SYSTEM

Rack transmission
Operates on rack-pinion system for precise and hi-speed movement. Inverter is on standard version. Max. speed up to 130 m/min by brushless motor on request.



SAW CARRIAGE

The rigid construction and the high quality prismatic guides for rising and falling blades provides stability and precision in cutting line.

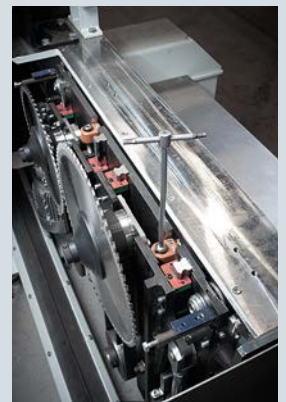


Prismatic shafts



QUICK BLADE CHANGE SYSTEM

Quick and safe replacement for the blades by using only 1 allen key.



Saw blade adjustment by mechanical indicators.

NIMAC GROUP is a top European manufacturer with global sales in woodworking machines. Since 1977.



2 years warranty for all mechanical parts

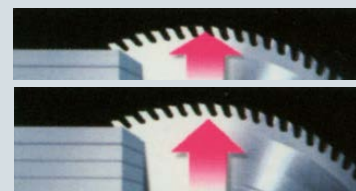


The pusher travels through precision pinions and racks. The precise positioning of the pusher is achieved by a magnetic band (no contact system). The automatic side aligner moves in relation to the width of the panels to be aligned. Ensures perfectly squared panels.

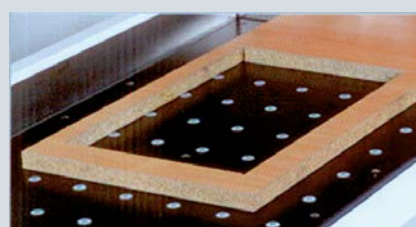
AUTOMATIC SIDE ALIGNER
The side aligner runs on prismatic guides and ensures precision on cross-way cuts.



System for grooving cuts in automatic sequence.



AUTOMATIC BLADE PROJECTION



Cut Out - System for cutting windows in panels

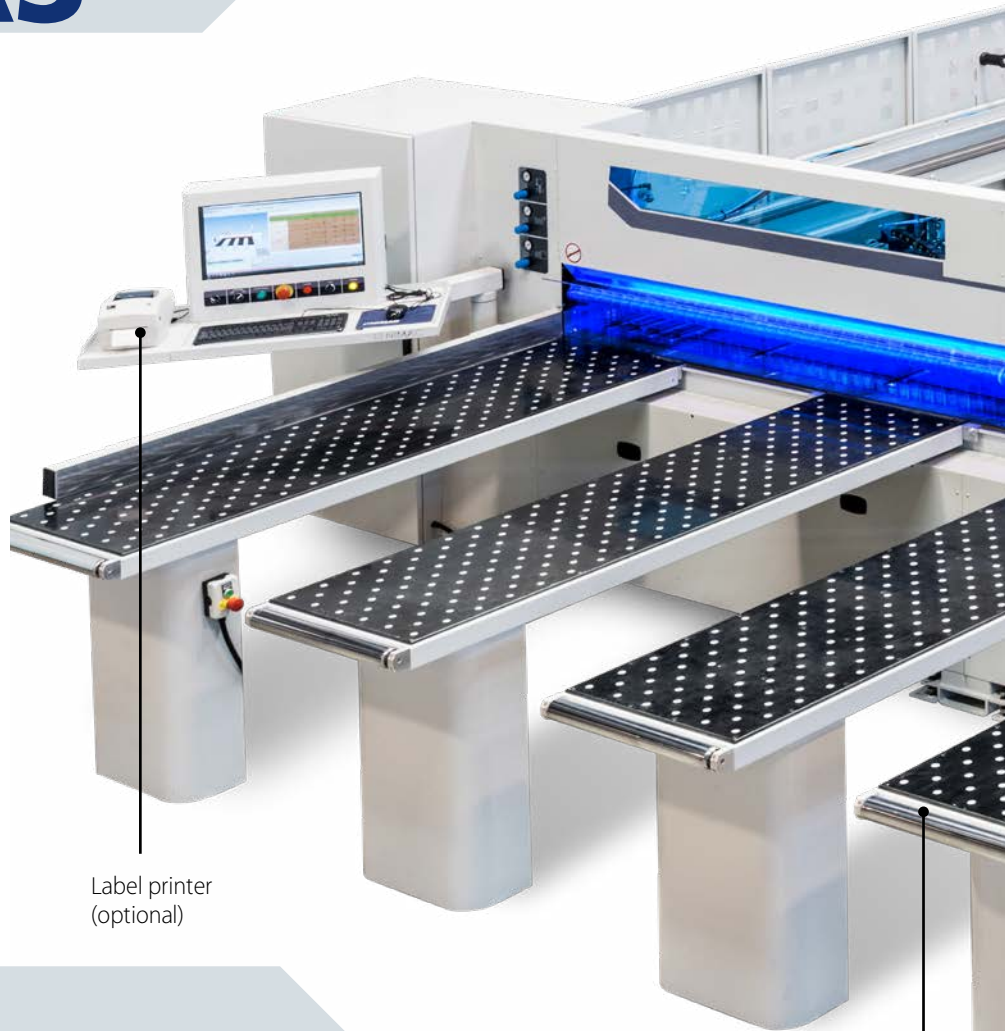


ATLAS

100T

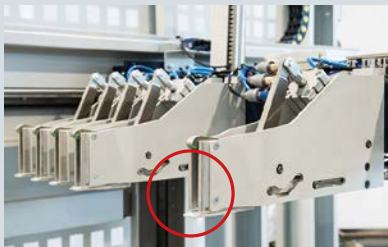
The ideal panel sizing center

Equipped with powerful cutting optimizer, the best 3D software, heavy duty lifting table and all the necessary features of a high productivity machine.



Label printer (optional)

Feeding roller (optional)



CLAMPS

Double piston clamps with removable down finger allowing perfect transport of selected panels from the stack without damages



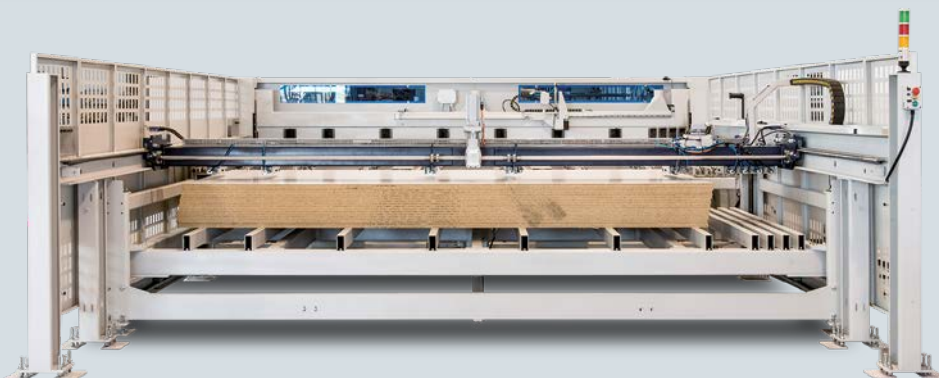
ALIGNERS

Two aligning devices for panels perfect parallelism



Fourth table
(optional)

The laser device automatically detects the panel's sizes avoiding the manual measurement from the user and time waste.
(optional)



LIFTING TABLE

Running on 4 large trapezoidal screws, ensures parallel lifting of the stack achieving maximum productivity.

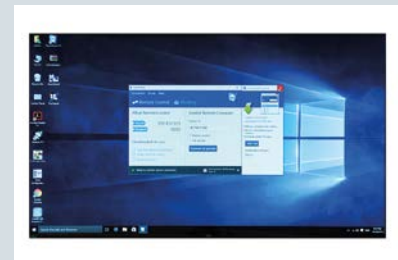
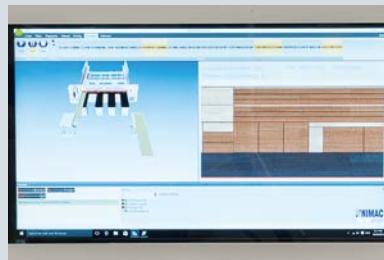
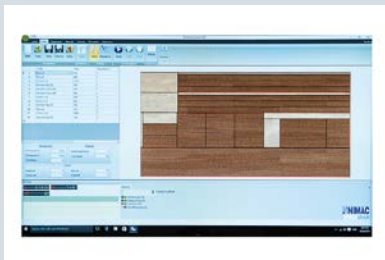


Platform with motorized roller conveyor for side loading (optional).

POWERFUL CONTROLLER INCLUDING THE MOST ADVANCED SOFTWARE

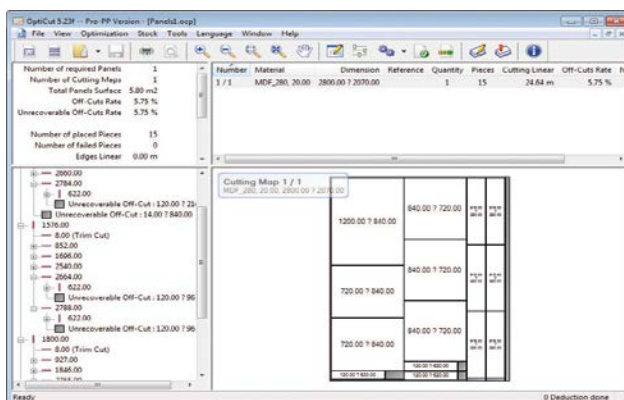


- Windows 10 Operating System and the best Cutting Optimizer software included.
- 22" LED monitor with HD resolution for comfortable viewing.

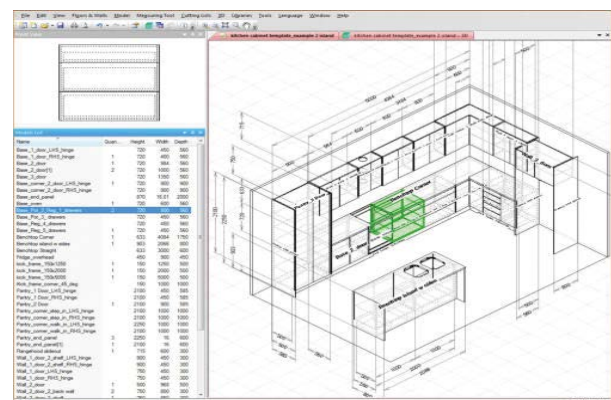


- Easy to use with optimized machining operations.
- Graphic Editor. Easy programming of even complex projects cut.
- 3D real time graphic simulation with messages for the operator.
- Report of the production.
- OPTICUT LITE EDITION. The powerful software that makes production easy.
- Diagnostics provide complete information to ensure that any problems are quickly resolved.
- Connection with external optimizers and management of material stocks and costs.
- Teleservice through internet.

OPTIONAL SOFTWARE

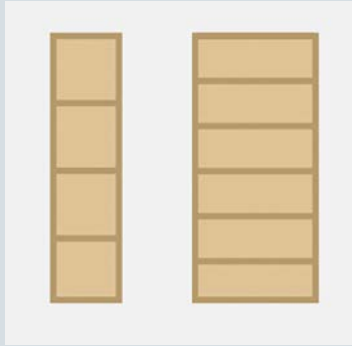


OPTICUT PRO PP: OFFICE OPTIMIZER
based on multimode, multifomat and multimaterial algorithm. Features grain direction, trim cuts, plated edges, panels turnaround, parametric labels and stock management. Impressive performance : It sorts the cutting lists into the most efficient layouts in seconds saving time and money.



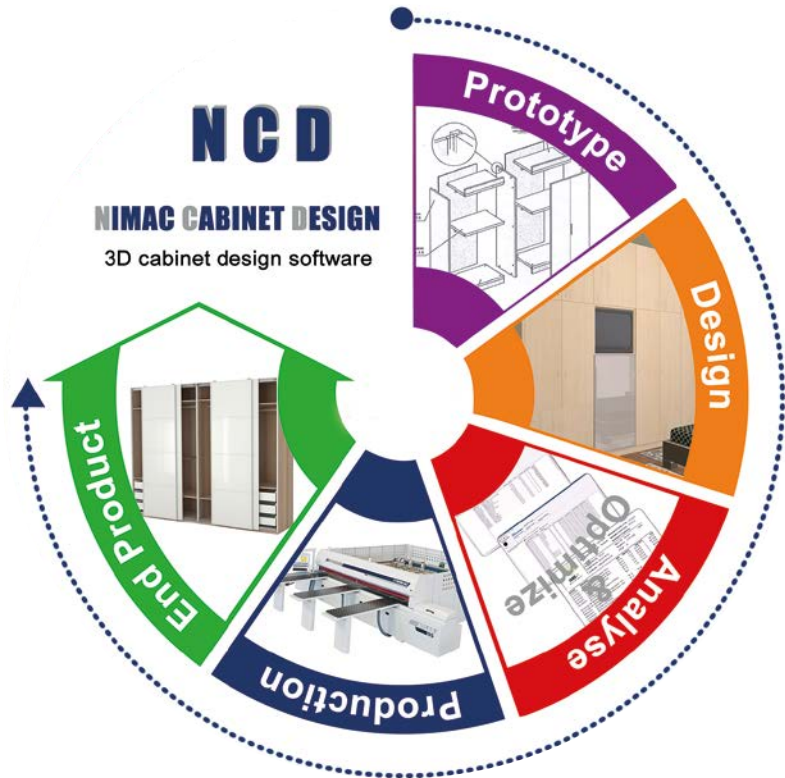
CABINET DESIGN SOFTWARE
Interactive design and manufacturing cabinet software, based on a powerful methodological concept. Automatic management of all the assembly and manufacturing details. Accurate cutting lists. Post processors files for CNC machines.

COMPLETE SOFTWARE SOLUTIONS FROM DESIGN TO MACHINING IN FEW MINUTES



SMART CUT: CUTS MORE PANELS FASTER

The top technology allows to carry out two side by side bars with cross and longitudinal cuts simultaneously. Significant productivity increase. (optional).



CABINET DESIGN | OPTIMIZATION | BEAM SAWING

Prototype

- Ready for use kitchen & closet libraries
- Powerful cabinet editor to create or change your own libraries

Design

- Fully parametric design. Automatic dynamic 2D and 3D presentations.

Analyse & Optimize

- Rich set of automated generated reports, included:
 - material list
 - cutting list
 - invoices
 - orders

Production

- Post processor to connect with the NIMAC cutting machines

OPTIONAL

OUR SOFTWARE PARTNERS



TOP BRAND COMPONENTS



PANEL STORAGE SYSTEM



Automated magazine for the optimized management of panels.
Rapid return on investment thanks to increased efficiency and cost reduction.

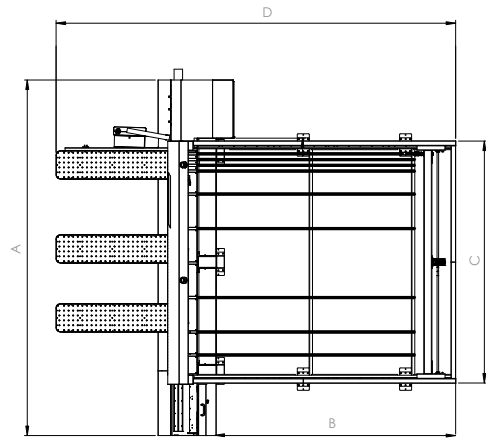
ATLAS 80-100 / ATLAS 100T

TECHNICAL DATA

Cutting length	3200	3800	4400
Pusher stroke	3200	3800	4400
Blade projection	80-105		
Main saw diam.	320-355		
Main motor power	10Hp (opt. 15-20)Hp		
Scoring saw motor	2Hp	2Hp	2Hp
Saw carriage speed	0-80 m/min (opt. 130m/min)		
Pusher's speed	0-30m/min (opt. 50m/min)		
Automatic side aligner	50-1100mm		
Automatic blade projection (2 positions) according material's height			
Standard number of grippers	5	7	9
Magnetic tape for pusher's movement (non contact system). Maximum accuracy			
Slotted pressure beam. The panels are always gripped up to the last cut			
Quick blade change system			
Scoring unit axial and vertical micrometric adjustment			
Advanced controller TPA			
New 3D software including optimization and automatic panel measurement			
PC with Windows 10 and SSD Hard Disc.			
Opticut Lite edition (Max. 100 pieces).			
Grooving system			
Cut out System (for cutting windows in panels).			
Automatic lubrication for the carriage bearings			
CE rules. Rear safety fence and hands protection curtain.			
Teleservice through internet (free of charge during the warranty period).			
UPS inside the electrical cabinet for PC protection			

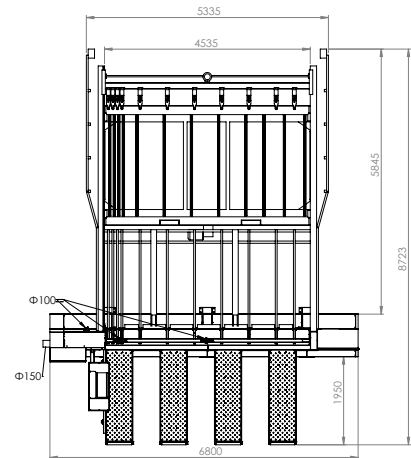
OPTIONALS

Air flotation tables	1300x500mm 2000x600mm
Automatic pressure beam positioning according panel's height	
Main motor 15Hp or 20Hp	
Post Forming system	
Servomotor for pusher 0-50m/min	
Servomotor for saw carriage 0-130m/min	
Automatic scoring regulation (left-right) by servomotor through PC control	
Servomotor for scoring vertical positioning	
Servomotor for automatic main blade projection instead of pneumatic system	
Movable second and third table	
Additional Grippers	
Air conditioner unit for electric box	
Label printer and barcode software	
Laser indicator for cutting line	
OPTICUT professional licence including PVC, cost and stock analysis.	
Unlimited pieces to optimize.	
Movable box with buttons START/STOP.	
Practical solution when large panels are on front panels.	
Cabinet Design Software	



ATLAS 80-100

USEFUL CUTS	A	B	C	D	E
3200X3200	5600	3718	3610	5640/6340	1300/2000
3800X3800	6200	4218	4460	6360/7060	1300/2000
4300X4300	6800	4818	5060	6860/7600	1300/2000



ATLAS 100T

USEFUL CUTS
4400X4400

eyeQ creative

research | technology | precision | quality | service



The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms



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FACTORY - SHOWROOM

www.nimacgroup.eu • info@nimacgroup.eu
Tel.: +30 2394053030 • Fax: +30 23940 53031