

# HERMES

## SERIES

**AUTOMATIC  
HORIZONTAL  
BEAM SAWS**



*Cutting edge technology since 1977*

**NIMAC**  
GROUP

# HERMES

## 70 CNC

### New concept in beam saws by NIMAC GROUP

Adjusted to the new demands of the medium sized companies. The sturdy construction, the high manufacturing quality and the perfect cutting, compose the new HERMES 70 CNC: The most competitive beam saw in the market.

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



Label printer (optional)

Feeding roller (optional)

### STANDARD



The pusher travels through precision pinions and racks. The precise positioning of the pusher is achieved by a magnetic band (no contact system). The grooved pressure beam allows the grippers to keep the panel's clamped until the final cut. The extremely fast servo-drive technology guarantees shortest cycle times.



#### **AUTOMATIC SIDE ALIGNER:**

The best solution for precise cross cutting. Pneumatically adjusted movement allows perfect pressure at every type of panel and ensures reduced cutting times.



#### **MAINTENANCE FREE SLIDING SYSTEM**

Saw carriage moves up on two round linear motion shafts protected by special dust scrapers. No lubrication required. Movement by industrial toothed belt. Silent transmission



#### **QUICK BLADE CHANGE SYSTEM**

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

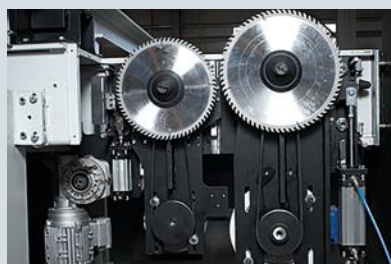
**10 years warranty for the linear round shafts.**



Fourth table  
(optional)

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

## OPTIONALS

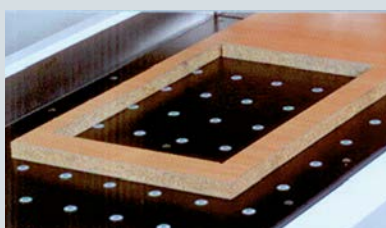


### **ADVANCED SAW CARRIAGE (Blade projection 75mm)**

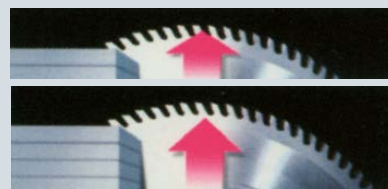
The rigid construction and the high quality prismatic guides for the blades rising provides stability and precision in cutting line.



System for grooving cuts  
in automatic sequence.



System for cutting windows in panels



### **AUTOMATIC BLADE PROJECTION**

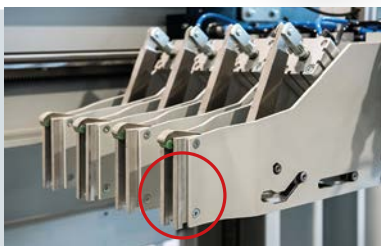
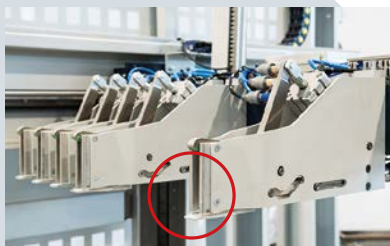
Automatic pressure beam positioning  
according material's thickness.

# HERMES

70T CNC

## 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.



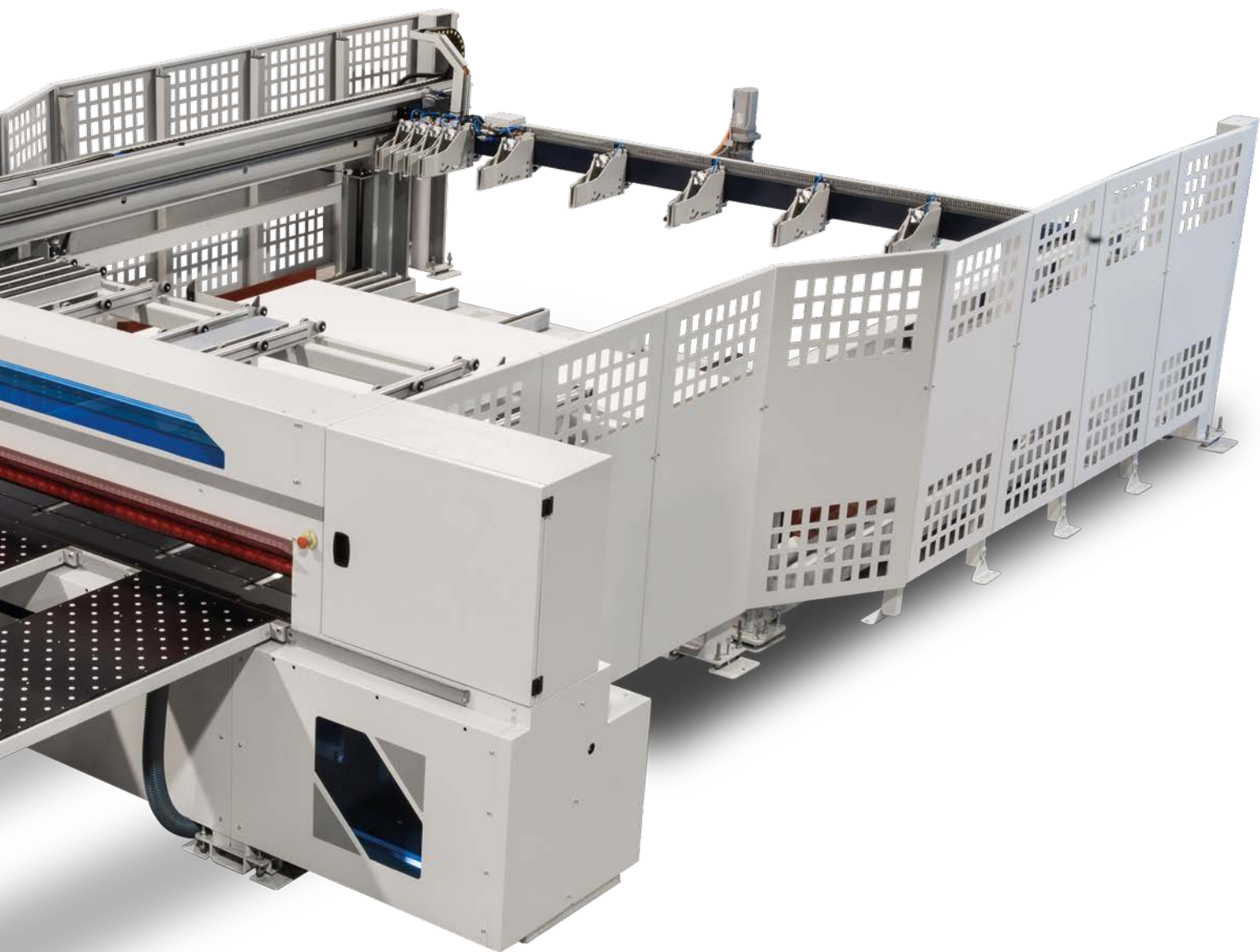
### CLAMPS

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



### LIFTING TABLE

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

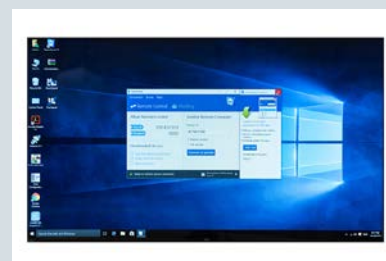
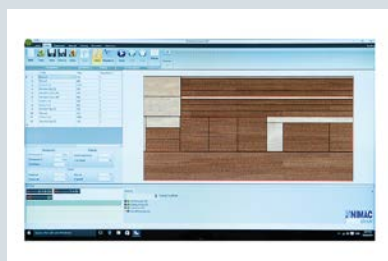


Platform with motorized roller conveyor for side loading (optional).



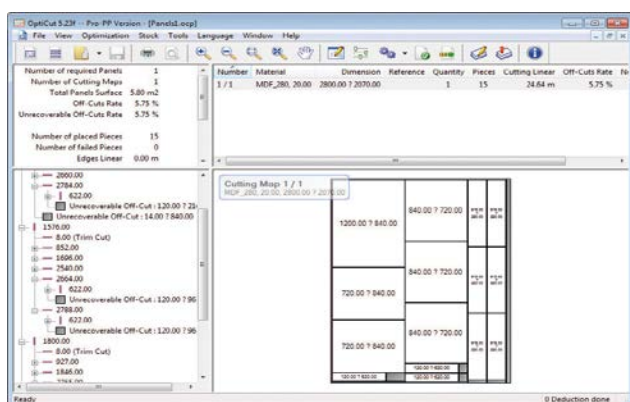
## POWERFUL CONTROLLER INCLUDING THE MOST ADVANCED SOFTWARE

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



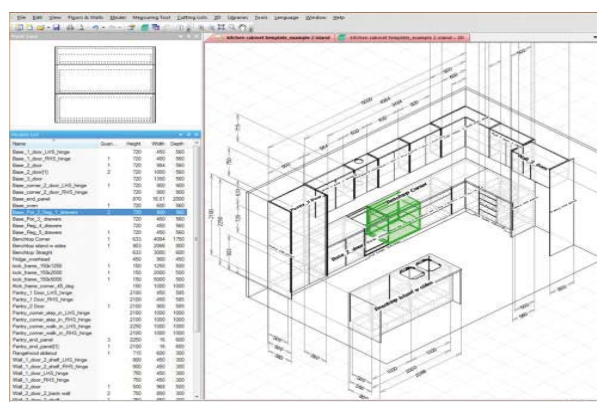
- Easy to use with optimized machining operations.
- Graphic Editor. Easy programming of even complex projects cut.
- 3D real time graphic simulation with messages for the operator.
- Report of the production.
- OPTICUT LITE EDITION. The powerful software that makes production easy.
- Diagnostics provide 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

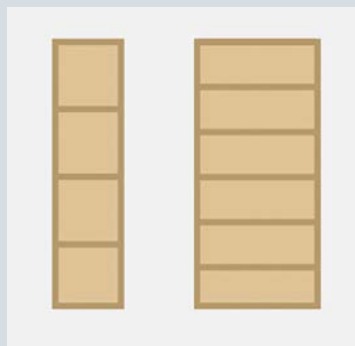
based on multimode, multifomat and multimaterial algorithm. Features grain direction, trim cuts, plated edges, panels turnaround, parametric labels and stock management. Impressive performance: It sorts the cutting lists into the most efficient layouts in seconds saving time and money.



### 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

## OUR SOFTWARE PARTNERS



## TOP BRAND COMPONENTS



## OPTIONAL

## PANEL STORAGE SYSTEM



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

# HERMES 70 CNC HERMES 70T CNC

## TECHNICAL DATA

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Cutting length                                 | 2900-3800-4300 mm                      |
| Blade projection                               | 70 mm (opt. 75 mm)                     |
| Main saw motor                                 | 10 HP                                  |
| Scoring saw motor                              | 2HP                                    |
| Pusher's speed                                 | 0,5-30 m/min                           |
| Pusher's speed controlled by servomotor (opt.) | 50 mt/min                              |
| Cutting speed                                  | 1-70 m/min (opt. 100 m/min)            |
| Automatic side aligner                         | 40-1140 mm                             |
| Main saw diameter                              | 300 mm (opt 320 mm)                    |
| Scoring saw diameter                           | 160 mm                                 |
| Number of clamps (grippers)                    | 5-7-9                                  |
| Weight                                         | 3500-4000-4500 Kg<br>7000-7500-8000 Kg |

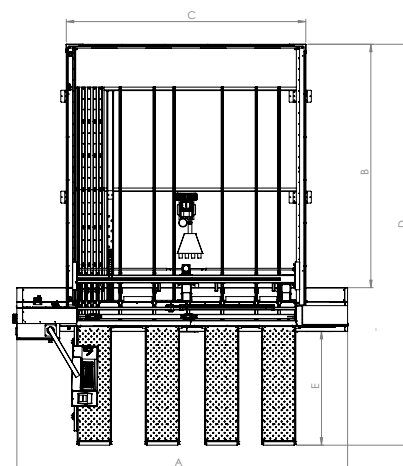
Magnetic tape for pusher's measurement (non-contact system). Maximum accuracy  
Slotted pressure beam. The panels are always gripped up to the last cut  
Scoring unit axial and vertical micrometric adjustment  
New 3D software including optimization and automatic panel measurement  
CE rules. Rear safety fence and hands protection curtain  
Automatic lubrication for the carriage bearings  
Teleservice through internet (free of charge during the warranty period)  
UPS in electric box for PC control

## OPTIONAL UPON REQUEST

Advanced saw carriage: blade projection 75 mm  
Grooving  
Cut out  
Post forming  
Servo motor for pusher (backward speed 50 m/min)  
Digital scoring regulation through PC control.  
Automatic pressure beam positioning according material's thickness  
Feeding table rollers  
Laser device for automatic panel measurement  
Additional clamps  
Air flotation tables 600x2000 or 500x1300 mm  
4th air flotation table  
Barcode software and label printer  
Start-stop cycle button movable. Effective solution  
when large panels are on front tables  
Air conditioner at electrical cabinet  
OPTICUT PRO PP: Office optimizer , pvc calculations and cost analysis  
Cabinet Design Software.  
NCD Complete Software Solutions Online  
Packing and wooden base

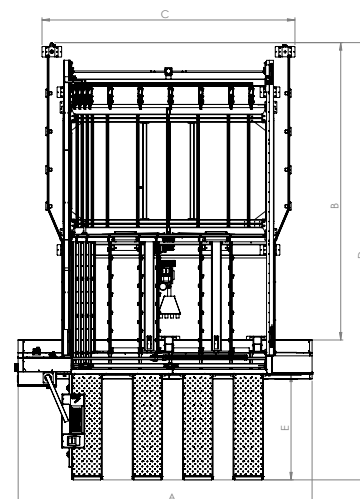
## ADDITIONAL FEATURES NECESSARY FOR LIFTING TABLE

Double piston grippers plus two aligning devices for the panels



## HERMES 70 CNC

| USEFUL CUTS | A    | B    | C    | D         | E         |
|-------------|------|------|------|-----------|-----------|
| 2900 x 2900 | 4935 | 3395 | 3325 | 6170/5470 | 2000/1300 |
| 3800 x 3800 | 5835 | 4295 | 4225 | 7070/6370 | 2000/1300 |
| 4300 x 4300 | 6335 | 4795 | 4725 | 7570/6870 | 2000/1300 |



## HERMES 70T CNC

| USEFUL CUTS | A    | B    | C    | D         | E         |
|-------------|------|------|------|-----------|-----------|
| 2900 x 2900 | 4935 | 5000 | 4120 | 7775/7075 | 2000/1300 |
| 3800 x 3800 | 5835 | 5900 | 5020 | 8675/7975 | 2000/1300 |
| 4300 x 4300 | 6335 | 6400 | 5520 | 9175/8475 | 2000/1300 |

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



**NIMAC**  
GROUP

## FACTORY - SHOWROOM

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