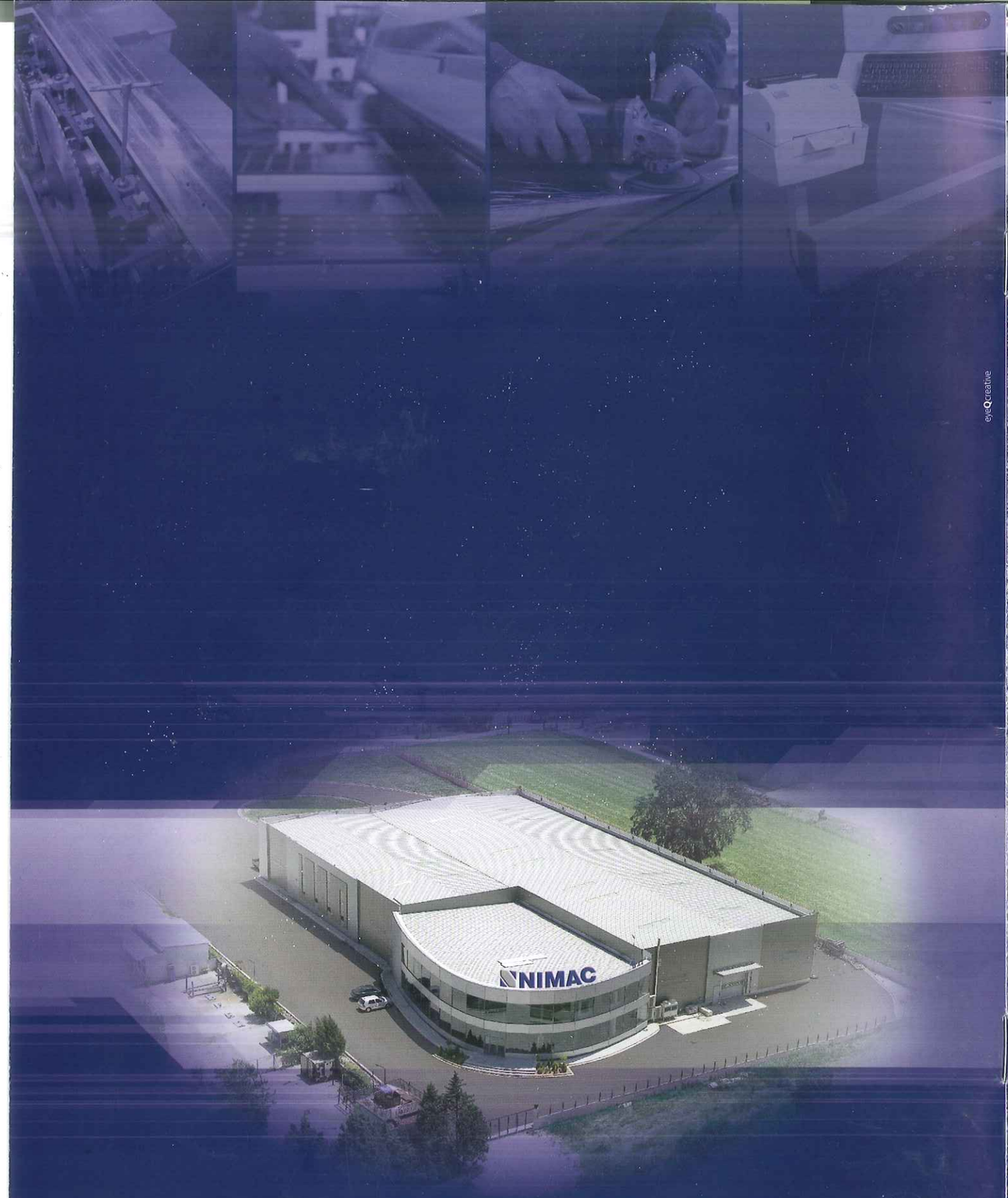
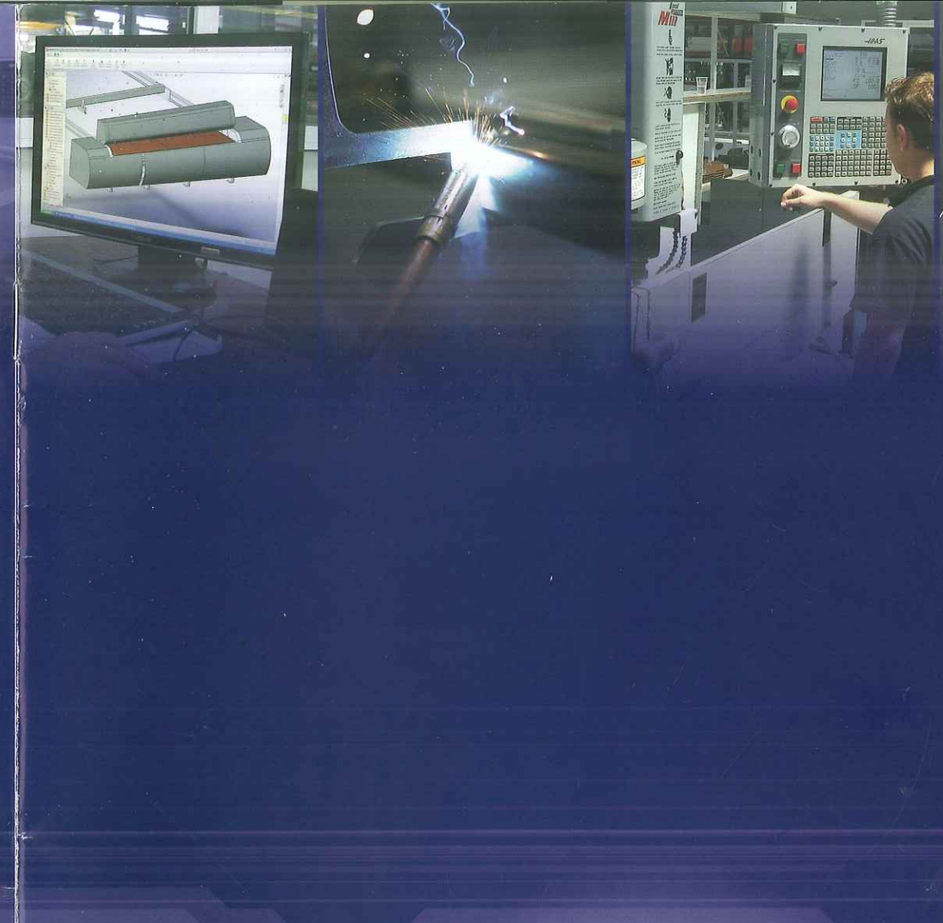



**FACTORY - SHOWROOM**
www.nimacgroup.eu • info@nimacgroup.eu





# NIMAC GROUP



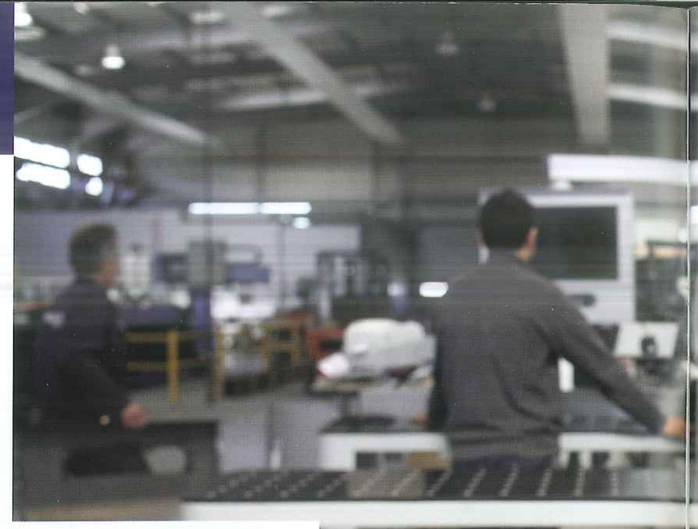

# NIMAC GROUP

**NIMAC GROUP** is the continuation and the new generation of **NIKOLAIDIS machines.** In 1977, the company began the production of horizontal beam saws. The continuous effort for the improved of the machines and the reliable service confirmed the company as one of the most important manufactures of beam saws with a remarkable international presence. The gross percentage of exports, more than 80% of the production and the sales at well-known brand furniture industries are indicative of the company's success.

1977

**NIMAC GROUP** offers a large range of high quality and value priced woodworking machinery for the world marketplace. Taken advantage of its great experience and dedicated at the customer's total care, NIMAC GROUP can offer customised production lines for the particular needs of every customer.


2010





CERTIFICATE

TÜV AUSTRIA HELLAS

Για το Σύστημα Διαχείρισης
σύμφωνα με το Πρότυπο
EN ISO 9001 : 2000

NIMAC GROUP

Α. ΝΙΚΟΛΑΪΔΗΣ & ΥΙΟΙ Ο.Ε.
"NIKOLAIDIS MACHINES"
17ο χλμ. ΠΕ.Ο. Θεσσαλονίκης – Κιλκίς
572 00 ΘΕΣΣΑΛΟΝΙΚΗ

ΣΧΕΔΙΑΣΜΟΣ, ΠΑΡΑΓΩΓΗ & ΠΩΛΗΣΗ ΣΥΛΟΥΡΓΙΚΩΝ ΜΗΧΑΝΗΜΑΤΩΝ.

## Quality and Technology

Aiming always at the production of high quality and value-priced machines for the world wide marketplace, NIMAC Group continues the modernization of its productive procedure maintaining strict quality standards (ISO 9001). The Technical and Quality department inside the company uses sophisticated CAD software to design and to realize the final product. Continuous and strict tests during the whole manufacturing process guarantee the goal of keeping final product's high quality standards.

## Service and spare parts

The excellent technical and telephone support from experienced staff are the main features of the philosophy of the company, which is customer orientated. The Spare parts department ensures prompt shipment of spare parts to secure the smooth operation of machinery.

# POST FORMING SERIES

## PF 090

Small and smart beam saw
for post - soft formed panels


**TECHNICAL DATA**

| | |
|---|---|
| Cutting length | 890 mm |
| Cutting height | 60 mm |
| Post forming height up to | 45 mm |
| Saw carriage's linear motion | |
| Main saw | 250 x 3.2 x 30 mm |
| Scoring saw | 250 x 3.3 x 30 mm |
| Pneumatic stops | 2 |
| Main saw's motor power | 5.5 Hp |
| Scoring saw's moror power | 2 Hp |

**OPTIONAL UPON REQUEST**

| | |
|---|---|
| Cutting length | 1250 mm |
| Inverter for cutting speed | 5-30 m/min |
| Extra pneumatic stop | |
| Digital measuring | |


## PF 1250 NC

The ideal beam saw for
post - soft formed panels

**TECHNICAL DATA**

| | |
|---|---|
| Cutting length | 1250 mm |
| Pusher's stroke | 4200 mm |
| Cutting height | 65 mm |
| Post forming up to | 50 mm |
| Automatic pusher with 4 grippers | |
| Automatic side aligner' s stroke | 1000 mm |
| Saw carriage's and pusher's linear motion | |
| Pusher controlled by AC inverter | 5-25 m/min |
| PLC with touch screen control and memory | 100 programs |
| Saw carriage speed | 50 m/min |
| Magnetic tape for measurement. Accuracy | 0.1 mm |
| Main saw's motor power | 5.5 Hp |
| Scoring saw's moror power | 2 Hp |
| Main saw | 250 x 3.2 x 30 mm |
| Scoring saw | 250 x 3.3 x 30 mm |

**OPTIONAL UPON REQUEST**

PC based numerical control with 20" flat screen,
Windows XP operating system and cutting optimizer software.
The software can optimize up to 15 different panels and 100 different parts . Easy programming of even complex projects cut.
Real time graphic of various operation phases.
UPS inside the electrical cabinet for the PC' s protection

System for grooving cuts in automatic sequence and automatic blade projection according to the material's heght

Optimizer software for customer ' s office PC

Extra gripper

| | |
|---|---|
| Main saw motor | 7.5 Hp |
| Diamond main saw | 250 x 3.2 x 30 mm |
| Diamond scoring saw | 250 X 3.3 x 30 mm |



# BEAM SAWS

PLC with touch screen


## TEMA 3800 ST

Compact size. Easy handling

**TECHNICAL DATA**

| | |
|---|---|
| Cutting length | 3780 mm |
| Pusher's stroke | 1870 mm |
| Main saw's motor power | 5.5 Hp |
| Scoring saw's motor power | 2 Hp |
| Cutting height | 65 mm |
| Saw carriage's and pusher's linear motion | |
| PLC with touch screen and memory | 100 programs |
| Inverter for cutting speed | 5 - 30 m/min |
| Automatic pusher driven by PLC | |
| Pusher's speed | 0.5 - 20 m/min |
| Magnetic tape for measurement. Accuracy | 0.1 mm |
| Main saw | 300 x 3.2 x 30 mm |
| Scoring saw | 200 x 3.3 x 30 mm |
| Scoring saw for post forming | 250 x 3.3 x 30 mm |

**OPTIONAL UPON REQUEST**

Post forming system

Prismatic linear guides

# BEAM SAWS


## TEMA 3800 PLUS

The customised beam saw
for small and medium size industries.

**TECHNICAL DATA**

| | |
|---|---|
| Cutting length | 3800 mm |
| Pusher's stroke | 2100 mm<br>2500 mm<br>3800 mm |
| Main saw's motor power | 7.5 Hp |
| Scoring saw's motor power | 2 Hp |
| Cutting height | 65 mm |
| Saw carriage's and pusher's linear motion | |
| PLC with touch screen and memory | 100 programs |
| Inverter for cutting speed | 5 - 50 m/min |
| Automatic pusher | 7 Grippers |
| Pusher's speed | 0.5 - 25 m/min |
| Automatic side aligner's stroke | 1250 mm |
| Magnetic tape for measurement. Accuracy | 0.1 mm |
| Main saw | 300 x 3.2 x 30 mm |
| Scoring saw | 200 x 3.3 x 30 mm |
| Scoring saw for post forming | 250 x 3.3 x 30 mm |

## TEMA 3800 PLUS WITH OPTIONALS

Automatic side aligner


## OPTIONALS

### PC CONTROL

PC based numerical control with 20" flat screen, Windows XP operating system and cutting optimizer software .The software can optimize up to 15 different panels and 100 different parts. Easy programming of even complex projects cut. Real time graphic of various operation phases. UPS inside the electrical cabinet for the PC's protection.

System for grooving cuts in automatic sequence

System for cutting windows in panels

Automatic blade projection according to the material's height

Post forming group

Air flotation tables

## TAWI AB VM180/2.5

Vacum Lifting
System for Panels

**TECHNICAL DATA**

| | |
|---|---|
| Vacum lifting system | |
| Lifting capacity | 80 kg |
| Maximum lifting height | 1800 mm |
| Cover for lifting tube | |
| Complete vacum system with 4 moving plates | 320 x 120 x 475 mm/each |
| Vacuum head height | 1400 x 800 mm |
| Total bridge height | 4 m |
| Easy and fast way for releasing the vacum plates by the weight | |
| Cross bar handle for easy dumping of big wights | |
| Direct outer handle part | |
| Air tube diameter | 52 m |
| Air tube length | 10 m |
| Standard air filter | |
| Vacum pump | 3 kW<br>230/400 Volt<br>50 Hz |

# BEAM SAWS

## ATLAS 75 - ATLAS 95

Cutting edge technology

**TECHNICAL DATA**

| | ATLAS 75 | ATLAS 95 |
|---|---|---|
| Cutting length | 3200 mm<br>3800 mm<br>4300 mm | <br>3800 mm<br>4300 mm |
| Pusher's stroke | 3200 mm<br>3800 mm<br>4300 mm | <br>3800 mm<br>4300 mm |
| Main saw's motor power | 7.5 Hp | 10 Hp |
| Scoring saw's motor power | 2 Hp | 2 Hp |
| Cutting height | 65 mm | 85 mm |
| Blade projection max | 75 mm | 95 mm |
| STD Inverter for cutting speed<br>OPT Brushless motor (SERVO) | 5 - 50 m/min<br>0 - 120 m/min | 5 - 50 m/min<br>0 - 120 m/min |
| Pusher | 7 Grippers | 8 Grippers |
| STD Pusher's speed with inverter<br>OPT Brushless motor (SERVO) | 25 m/min<br>50 m/min | 25 m/min<br>50 m/min |
| Main saw | 300 mm | 350 mm |
| Scoring saw | 250 mm | 300 mm |
| Front tables<br>OPT | 3<br>4 | 3<br>4 |

Automatic lubrication for the bearings



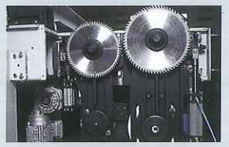

## STANDARD

**PC CONTROL**
PC based numerical control with 20" flat screen, Windows XP operating system and cutting optimizer software .The software can optimize up to 15 different panels and 100 different parts. Easy programming of even complex projects cut. Real time graphic of various operation phases. UPS inside the electrical cabinet for the PC's protection.

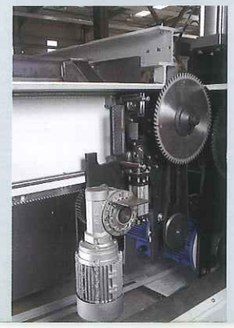
System for grooving cuts in automatic sequence

System for cutting windows in panels

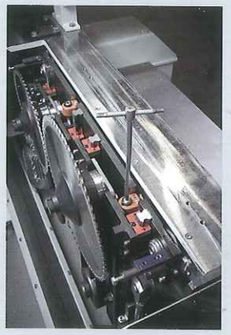
Automatic blade projection according to the material's height



**SAW CARRIAGE**
The rigid construction and the hi quality prismatic guides for rising and falling blades provides stability and precision in cutting line.



**SLIDING SYSTEM**
Rack transmission
Operates on rack-pinion system for precise and hi-speed movement.
Inverter is on standard version. Max. speed up to 120 m/min by brushless motor on request.



Saw blade adjustment by mechanical indicators.



## OPTIONALS

**OPTIONAL UPON REQUEST (ATLAS 75 - ATLAS 95)**

| | |
|---|---|
| Air flotation tables | |
| Post forming system | |
| Bar code software and USB label printer | |
| Brushless motor (SERVO) for cutting speed max return speed | 0-120 m/min |
| Brushles s motor (SERVO). Return speed | 50 m/min |
| Quick blade change system | |
| Extra table | |

**LABEL PRINTER**
Bar code software and USB label printer

**QUICK BLADE CHANGE SYSTEM**
Blade change
Quick and safe replacement
for the blades by using only 1 allen key.