

Natural Superiority in Wooden Frames!



HELLENIC WOODEN FRAMES MANUFACTURERS





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Whether you are a professional or a private individual, the selection of frames is an important decision, which can become a strategic investment with long-term gain.

TSIGAS SA Wooden Frames Industry is a dynamic, steadily growing Hellenic production unit that has raised the stakes of completion thanks to the quality of its works and the loyalty of its customers.

Today, based on our specialization and expertise, we can suggest what is best for your needs, giving you important reasons and motives to choose **Wooden Frames** by **TSIGAS SA**.

We are prestigiously and responsibly by your side to support your success with the strength of wood and the motivation of development.

Excellence... is in our nature!



Confidence Development

For more than 5 decades, **TSIGAS SA** is the power of evolution in Wooden Frames. Oriented towards specialization, variety of aesthetics and strict quality control, our company has been identified with loyalty and international fame in its field of activities.

Today, TSIGAS SA is a healthy Hellenic manufacturing power that utilizes its expertise and know-how to expand its perspectives for development both in Greece and abroad.

Lately the company is steadily reinforcing its presence in Cyprus and Turkey, while its targets in the near future include the expansion of its activities in other European markets.

The company's headquarters and factory are in Mouzaki, Karditsa, while the company also has one modern exhibition in Athens, (Vrilissia).

For English, call: **+30 24450 43413**

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A modern industry with tradition.



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Know-How & Guarantee

Based on specialization, **TSIGAS SA** has developed a high level of know-how in the field of Wooden Frames.

The production premises are in Mouzaki, Karditsa, occupying an area of 15,000 m². With its modern mechanical equipment, quality materials and specially trained technical staff of approximately 90 persons, the company designs and manufactures optimum and effective solutions that are appropriate even for the most demanding structure.

The factory is certified according to **EN ISO 9001:2008**
TÜV HELLAS (TÜV NORD) SA.

The strict control in accordance with the international standards through all stages of production guarantees the endurance, functionality and effectiveness of the investment to any building contractor or private individual who cooperates with TSIGAS SA.



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Open your door to quality!



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TSIGAS Glass Panes

Thermal Sound Insulation

The technologically advanced materials that are used in the manufacture of the Glass Panes, such as the double-glazing glasses for thermal insulation or the multiple-glazing glasses with gap or filled with inert gas, the thick glass panes and the composite windowpanes with layers of glass and intermediate acoustic membranes, the rubbers and sealers of the joints, increase even more the thermal insulation and sound insulation properties, offering an optimum result.

TSIGAS SA manufactures Glass Panes with **25-39mm** glaze and with the **best thermal permeability coefficients** covering the required specifications of all European countries.

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TSIGAS Shutters

Endurance & Safety

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The new dye technologies used by **TSIGAS SA** are eco-friendly and specially adapted to prolong significantly the average service life of the Wooden Frames.

The highly advanced mechanisms offer a high level of protection against rust and a long service life which is ensured by their high safety standard, while they are suitable for frames of all types of openings, such as opening, tilt-turn, sliding, multiple sliding system, folding system, etc.





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TSIGAS Exterior Doors



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The front door is the element that best expresses the character and the aesthetic appearance of your structure.

For hotels, apartment buildings or houses, the front door (simple - fire resistant - safety) is the "signature" of the architect and the owner.

With **TSIGAS SA** you can choose among numerous designs the exterior doors that will complete your building in the best way. Of course, we can implement your own design with accuracy and top manufacturing quality.





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TSIGAS Interior Doors

For the main or country house, for your professional spaces or for simple or complex structures, **TSIGAS design** suggests interior door creations harmonized with your interior spaces, always in accordance with your own personal style.

Functionality & Aesthetics

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Special Constructions by TSIGAS

Creativity Solutions

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Another characteristic that makes **TSIGAS SA** stand out is its long-term experience in special constructions. We implement with consistency and respectfully the vision of the most demanding Architectural design for hotel units, residential complexes, etc.

We revive the special character of past times with contemporary terms of functionality and durability, satisfying every demand you may have for special-unique solutions and structures.

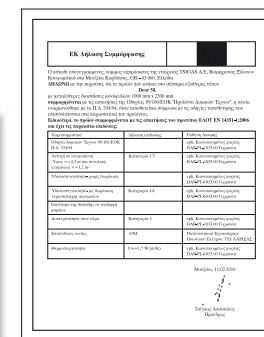
Furthermore, in the context of completing the projects with Wooden Frames and for their better aesthetic integration with the surrounding spaces, TSIGAS SA offers various specialized applications of wood structures, such as rails, yard doors-garage doors, pergolas and interior roof lining.





Certifications Prestige

According to international tests, TSIGAS SA Wooden Frames exhibit the ideal durability indices to wind pressure and air permeability, water-tightness and thermal permeability and have a high energy-saving performance, achieving the lowest possible cost of maintenance.



TSIGAS SA. The Hellenic power with the international prestige.



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Innovation Leadership

The main concern of **TSIGAS SA** is to adopt the international technological advancements, adapt them in the climatic characteristics of every area and create innovative solutions in Wooden Frames.

One of the company's most specialized products is the **Folding system**, comprising 3 to 7 panes, that can be applied to Glass Panes and Shutters for Terrace Doors, Windows and Interior Doors. It ensures optimum functionality, high air tightness and thermal insulation and can be easily used by people with mobility problems.

Another specialized application by TSIGAS SA that is "rich" in advantages, is the **Multiple Sliding system** for heavy-duty shutters, comprising 2 to 6 panes. These are the ideal solution for large openings for Terrace Doors, Windows and Interior Doors.

Wood Advantages

Multiple criteria are evaluated during the frame selection process, but the main goal is always to maximize the advantages that we will earn by saving money in the short and the long run.

Contrary to the current general trend, our experts in **TSIGAS SA** are in the position to guarantee that the Wooden Frames are the wisest choice for many reasons that you may not already know.

■ High Thermal Insulation & Energy Saving

For the optimum thermal insulation of the frames, the wood is the ideal construction material. Its thermal capability is 4,000 times that of steel and 1,800 times that of aluminum. Remember that it is used as a handle of hot items and appliances for many centuries now!

■ Soundproofing Excellence

Thanks to its porous structure that traps sound and reduces echo, the wood has very good soundproofing properties compared to other materials.



■ **Reinforced Durability**

Contemporary Wooden Frames are made of three layers of plywood, which eliminate the possibility of failures, ensure complete stability of the structure, exclude any deformity and guarantee unparalleled durability even under the most unfavourable conditions.

■ **Longer Service Life**

The mean service life of wood is 30-40 years. Requiring only minimum care, the Wooden Frames can be maintained as new forever, in contrast with other materials that undergo irreversible molecular deterioration with time. The new dye technologies protect the wood against humidity and solar radiation, eliminating thus any special maintenance needs.

■ **Diachronic Value**

The wood is an integral part of everyday life, natural environment, architectural tradition, quality of life. The selection of wood brings to mind pleasant memories and triggers feelings of coziness and intimacy.

Wooden Frames by TSIGAS SA. The natural selection!



Environment & Responsibility

A main concern of the **TSIGAS SA** philosophy is environmental awareness and responsible action for the protection of our natural resources. All of our products originate only from certified, legally cut timber from sustainable forests in accordance with international standards.

Wood, as a structural material, is a renewable resource and with proper management it does not disturb ecological balances, while at the same time it eliminates the CO₂ emissions during its production process. According to reliable studies of internationally renowned environmental organizations, wood consumes the least energy in the production of frames compared to other materials.

As an example, PVC requires 8 times more energy in its production, while aluminum is considered the most energy-consuming material, and the amount of electric energy that it consumes is detrimental for the environment.

Wood, thanks to its optimum thermal insulation properties, contributes dramatically to the reduction of energy consumption for heating or cooling. Therefore, **TSIGAS SA Wooden Frames** have one of the lowest coefficients of thermal permeability worldwide. In addition, the contemporary dyes used by our company are water soluble, non-toxic for humans and eco-friendly.



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TSIGAS SA. The name that numerous customers with special demands trust for so many years. Big construction companies, professional organizations, prestigious architects and interior designers, as well as private individuals aim and succeed with us the best possible quality-cost relationship that to our company.

Currently, TSIGAS SA has two exhibition centres to serve its customers and welcomes them to the **new era** in **Wooden Frames**.

The company also participates in most exhibitions to increase its contact with the customers.

The first contact with our products will establish a lifelong relationship with us!

Contact & Presentation

www.tsigas.gr





TSIGAS SA is a member
of the Hellenic Wooden Frame
Manufacturers Association



HELLENIC WOODEN FRAMES MANUFACTURERS

TSIGAS SA

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