



High-performance tools in the
manufacture of doors and windows





Modular and efficient solutions for timber window production

With the knowledge and international experience accumulated over almost five decades, Frezite is the ideal partner to help you reduce production costs. With our customers we collaborate to develop modular and efficient solutions that meet the challenges of the timber frame industry. You can count on Frezite to improve the quality of products obtained through cutting, milling and drilling operations.

Our customers

With each new investment in the production of wooden frames, our customers can count on the specialized support of the Frezite engineering team in the development of new profiles. We bring the latest technological developments to the project to optimize the production process, focusing on the efficiency and

quality of the product. In more complex projects, we integrate multidisciplinary teams, working with the client, but also with the machine manufacturer, the software company, and other accessory suppliers involved in the final solution.

A tailor-made project

To ensure we provide the best solution for the client's challenges, we have developed a participatory process, involving all interested parties, to guarantee a successful project.



Focus on customer objectives

Defining the system and type of windows to be manufactured, clarifying issues relating to the type of construction to be adopted and the equipment to be used, are crucial to any successful project. This is followed by drafting the preliminary design, which includes section drawings of the window models to be produced and tooling diagrams (by machining operation). This first step ends with the presentation of the supply proposal.

Our solutions

Frezite tool sets are made with steel or light alloy bodies combined with carbide cutting elements (HW). They are prepared for manual (MAN) or mechanical (MEC) feeds, depending on the type of equipment for which they are intended. Our tool designs include information on the cutting parameters (feed and rotation speed),

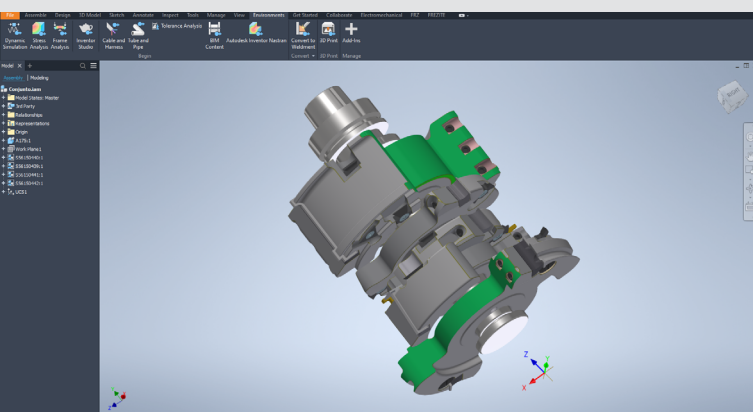
as well as other parameters necessary for quick and correct placement of the tool in the machine, increasing the efficiency and safety of the production process. All projects are developed using 3D design technology, with a view to optimizing chip flow and guaranteeing excellence in cutting quality.



Technical support (manufacturing and implementation)

Once the order has been formalized, the technical dossier is developed with the detailed machining concept, support drawings for the programming database, as well as the tool layout for each equipment. If necessary, the dossier

is submitted to the machine manufacturer and software partner for approval. The entire tool manufacturing project is also drawn up at this stage.



Tool manufacture

Frezite has accumulated almost five decades of experience in the development and production of special and standard tools.



Our service

Due to their diversity, the construction of modern windows is increasingly challenging. With extensive experience in the development and manufacture of tools, Frezite manages the details on window profiles, actively participating in the project. We have a team of qualified engineers to solve our customers' challenges, assisted by state-of-the-art facilities. In this way, Frezite has established itself as a cutting-edge partner in the industry.



Fast and efficient after-sales service

Frezite rounds off its wide range of solutions with a high level of service, which reduces its customers' operating costs. From the first contact, we guarantee the customer all the necessary support, as well as assistance – sharpening and repair – for the tools purchased.



Implementation, testing and training

When the tools are delivered, a technical manual is provided to support machine programming and tool use. Our technical experts develop the testing and commissioning phase, before training the customer. Employee training includes instructions on how to handle and maintain their new tools.



Door and window manufacturing equipment

Equipment is defined according to the multiplicity of profiles required by the customer. Projects for the industrial manufacture of window frames also consider the size, flexibility and objectives of each client, who can select from different solutions:

Conventional carpentry equipment

Does not require large spaces or investment in equipment dedicated to making window frames. They are highly versatile and easy to handle and set up (between operations). With a low production volume, they are suitable for different machining operations.

Manufacturing on angle machines

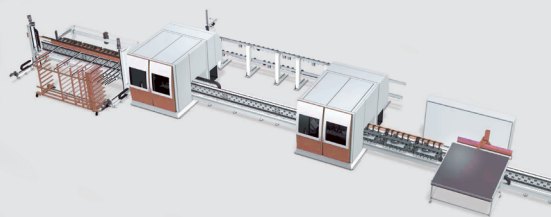
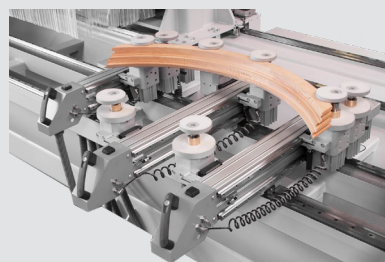
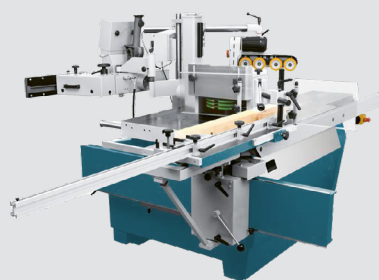
Requires little space (they are usually compact machines), ensuring high reliability and production capacity. Suitable for producing conventional window frames and angle profiles. They are easy to handle in a wide variety of products.

CNC machining centres

They ensure precision machining, flexibility in production and are easy to handle. Ideal for precise and detailed cuts, especially in complex or customized productions.

Production lines on CNC machines

Highly flexible and require little labor, ensuring high production capacity.





Window manufacturing is the art of creating functional and aesthetically pleasing openings. It combines precision and high-quality materials to provide insulation, security and a touch of elegance to spaces.

Advantages of our partnership

Innovation at your service: Access to the latest trends in the development of profiles for the joinery industry.

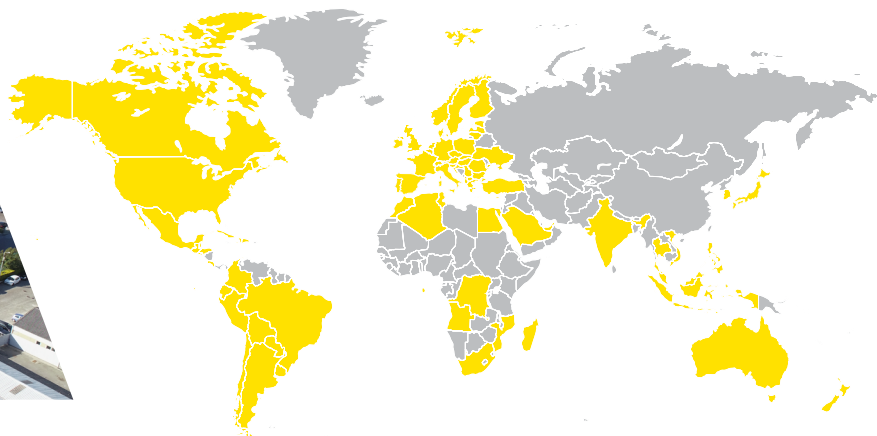
Trusting relationships: We invest in a close-knit service, supporting our customers beyond the design and installation of equipment. We are partners, accompanying our customers in the continuous improvement of their processes and products.

Flexibility: We develop solutions that make it possible to manufacture different models of doors and windows in an efficient and personalized way, adjusting them to the specific needs of each project.

Reducing production times: We adopt innovative methodologies and the sequencing of manufacturing phases to maximize the efficiency and profitability of processes.

Quality and durability: Our tools are manufactured with steel or light alloy bodies and carbide knives (HW), adjusted to each case, providing a long service life and precision cutting.

Global presence



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