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DRYING

Why artificial drying is your best choice. From every point of view.

Artificial wood drying (either sawn or semi-finished timber) is a fundamental process for the primary-processing industry and it allows considerable advantages compared to natural drying performed outdoors.

STEAMING

Steaming technology is used to:

Soften the wood fibers and to enable an easier handling of the raw material as well as the processing of sawn timber.

Stabilise and allow a homogeneous humidity rate throughout the entire wood volume in order to facilitate the subsequent drying process.

Change the natural colour of the wood, if necessary, by carrying out a procedure that is both natural and which does not use laboratory chemical agents.

HEAT TREATMENT

Standard ISPM-15

Given that the wood packaging material used in international trade could be a way to introduce and spread harmful organisms caused by quarantine, The FAO International Convention For The Protection Of Plants requires all countries to use debarked wood prior to subjecting this to a specific treatment, approved and bearing the IPPC/FAO trademark.



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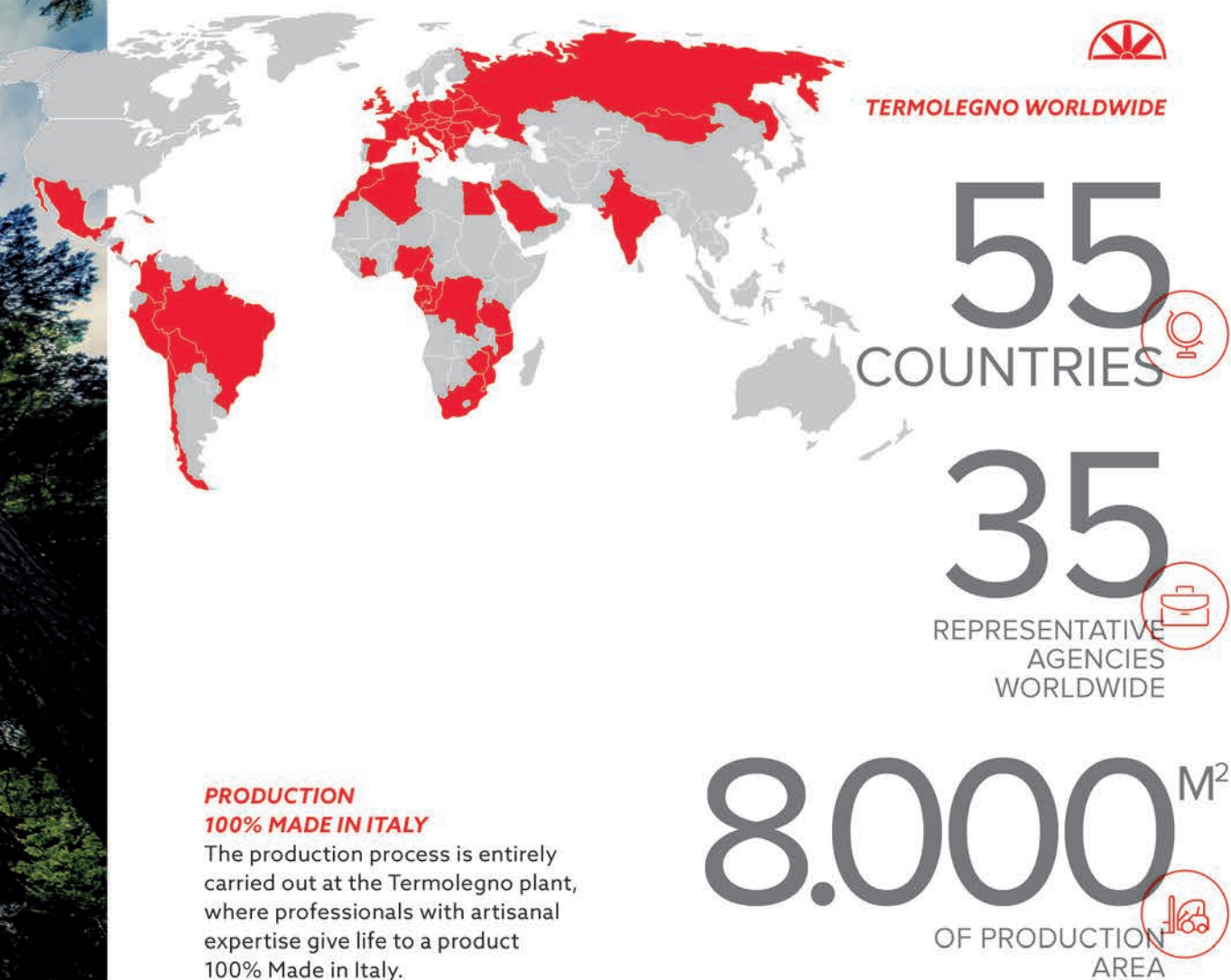
**DRYING KILNS WITH HEART,
FOR THE EARTH**



TERMOLEGNO

QUALITY AND EXPERTISE AT THE SERVICE OF WOODWORKING PROFESSIONALS

Since 1994, the commitment and devotion of the Fornasier family has led the Termolegno trademark to be known and recognised worldwide for its reliability and efficiency.



Operating in 55 countries, Termolegno provides its customers with services regarding the design, production and installation of machines for the drying, steaming and HT Heat Treatment (ISPM-15) of wood. Each type of service has been especially designed and developed by the company in order to perfectly fulfil customer requirements as well as to meet the needs of a wide range of environmental scenarios. Therefore, this makes it possible to provide products with high standards of efficiency and quality that guarantee a longer system service life compared to those of our competitors.

TECHNICAL STANDARDS AND QUALITY

Termolegno aims to ensuring the best possible manufacturing standards, by fulfilling its customers' every need. Thanks to continuous investment in state-of-the-art technology, Termolegno is able to design and produce increasingly functional drying kilns that enable to customers to save a considerable amount of energy as well as having optimised drying cycles and finished products of the utmost quality.



THE TERMOLEGNO DRYING SYSTEM

- STRUCTURE, COATING AND INSULATION SYSTEM**
Termolegno uses an aluminum alloy that is particularly resistant to oxidation caused by the tannins released by wood. The walls and roof are completely incombustible and hygroscopic.
- AIR EXCHANGE SYSTEM**
Termolegno uses stacks to exchange air, each of which is fitted with an actuator. Upon request and when necessary, they can be fitted with an ejector or a heat recovery unit to force the extraction of and ensuring the complete exchange of exhaust air as well as better drying quality.
- OPTIONAL SOLUTIONS**
Termolegno solutions have been designed to save time, to achieve optimisation and cycle management with updates within optimal timescales.

- AIR CIRCULATION SYSTEM**
All the motors have been especially designed for Termolegno, belong to Class H and they have been tropicalised. They have an IP55 degree of protection with cast iron side shields for the bearing support as well as an aluminium main motor body, guaranteed to function in high temperatures that are particularly humid and corrosive.
- CONTROL TECHNOLOGY**
Termolegno provides control software for Termolegno drying kilns that enables complete control and monitoring of the drying cells, that can be connected with up to a maximum of 32 units.
- TECHNICAL AND AFTER-SALES SUPPORT**
Quality services at the customers' disposal. The commissioning package includes: -installation, -testing, -training of personnel in charge of the system, -remote technical support, free of charge for the first year, with technicians who are always available.