ISVE S.P.A.
INDUSTRIAL SOLUTIONS

COMPANY PROFILE

Classificazione: uso interno

OUR HISTORY

ISVE S.p.A. is an Italian company leading in the production of industrial machinery for wood treatment and recycling.

Founded in 1977, it has built a solid reputation for the quality and innovation of its solutions, becoming a benchmark in many sectors.

Since 1999, ISVE's main headquarters is located across two facilities in Poncarale, in the province of Brescia.

A STORY TO TELL

1977
Foundation of ISVE S.r.l.

1985
First international order



1997
Launch of the second product line dedicated to materials reduction: recycling equipment division

ISVE RECYCLING
RECYCLING ENGINEERING PARTNER

1980
Implementation of vacuum-pressure plants in the wood treatment product line



1990
Development of shredders for the wood industry



1999
Opening of the new headquarter in Poncarale

2002
Development of COMBI systems for plastic processing



CERTIFIED ISO 9001:2015 COMPANY

2017
Sale of the joint venture

2007
Expansion of the headquarter in Poncarale

2020
Expansion of the production area through the lease of a new warehouse dedicated to the recycling equipment division and achievement of ISO 9001:2015 certification.

2013
Production is being moved in-house



2009
Foundation of a joint venture to produce recycling machinery for the local market

ISVE GROUP
COMPETITIVE SUSTAINABILITY

2026
New facility for machinery assembling and FAT
Rebranding

ISVE S.P.A.
INDUSTRIAL SOLUTIONS



2023
New investments for warehouse efficiency: solar panels and offices renovation



2021
Investment in a new robotic calendering and welding line for autoclaves



2022
Change in legal status from S.r.l. to S.p.A.

ISVE® S.p.A.
COMPETITIVE SUSTAINABILITY

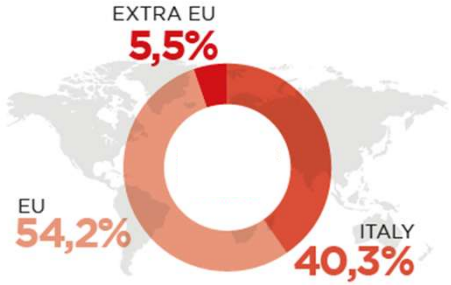
COMPANY HIGHLIGHTS

MISSION

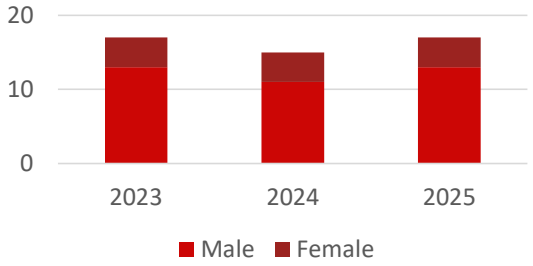
To design and manufacture highly customizable industrial equipment for wood processing and waste management, entirely engineered and built in Italy at our headquarters in Poncarale (Brescia). By combining technical expertise, manufacturing quality and close collaboration with our customers, we deliver reliable and efficient solutions tailored to each production need.

VISION

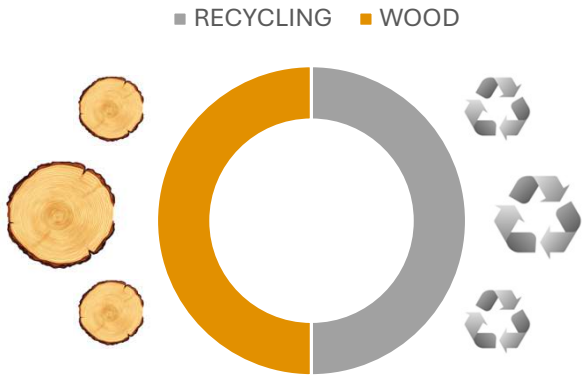
To become the global partner of choice for companies seeking efficient and sustainable solutions in industrial waste management and wood processing, driving innovation while reducing environmental impact and advancing the circular economy.



CUSTOMERS



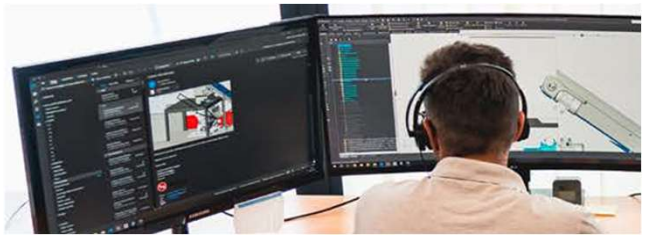
EMPLOYEES



BUSINESS UNIT

Classificazione: uso interno

Wood Treatment







The company operates through 2 specialized business units.

We support our customers throughout the entire project lifecycle, developing solutions tailored to each customer's specific requirements: from 3D engineering design to in-house manufacturing, factory testing, on-site installation, and structured after-sales service.

This integrated approach ensures high-quality standards and processes certified according to **UNI EN ISO 9001:2015**

Recycling Equipment







Classificazione: uso interno

OUR BUSINESS UNIT: WOOD TREATMENT

Classificazione: uso interno

WOOD TREATMENT

1



TREATMENT MACHINES

2



VACUUM DRYING KILNS

3



HANDLING SYSTEMS

4

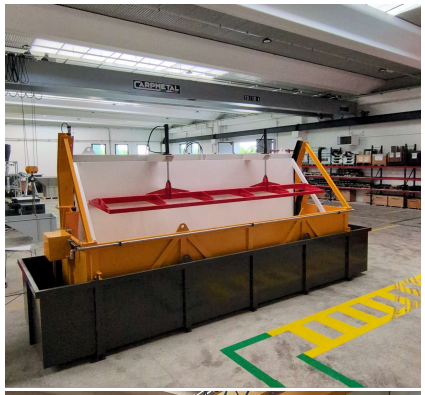


SPECIAL MACHINES

Classificazione: uso interno

1. TREATMENT MACHINES

Suitable for wood **preservation** treatments, our machines are designed and manufactured to let the active ingredients penetrate the wood fibers ensuring a medium protection.



IMP-VAS

IMP-VAS

Dipping tank model dimensions & specifications

- Length: customizable
- Power Supply: according to needs



IMP-PG

IMP-PG

Vacuum spray model dimensions & specifications

- Diameter: 2500 mm
  Length: from 4 m to 13 m, customizable
- Maximum Operating Vacuum: -730 mmHg
- Power Supply: according to needs



Sprayed wood elements

Classificazione: uso interno

1. TREATMENT MACHINES

IMP-VP and IMP-VP/D are suitable for both wood **preservation** and for **fire-retardant** treatments. Vacuum autoclaves are designed and manufactured to ensure the best of **vacuum technology**, which allows the active ingredients to better penetrate the wood fibers ensuring a superior protection.

Model Dimensions & Specifications

- Diameter: from 400 mm (laboratory mod.) to 2600 mm
  Length: from 2 m (laboratory mod.) to 26 m, customizable
- Maximum Operating Vacuum: -730 mmHg
- Maximum Operating Pressure: up to 16 bar (abs)
- Power Supply: according to needs

Watch it on YouTube: **ISVE S.p.A. IMP-VP/D series**



Solution penetration



Treated wood



Not treated wood

Classificazione: uso interno

Our latest installation



Ungheria



Portugal



New Zeland



Bulgaria



Spain



Netherlands

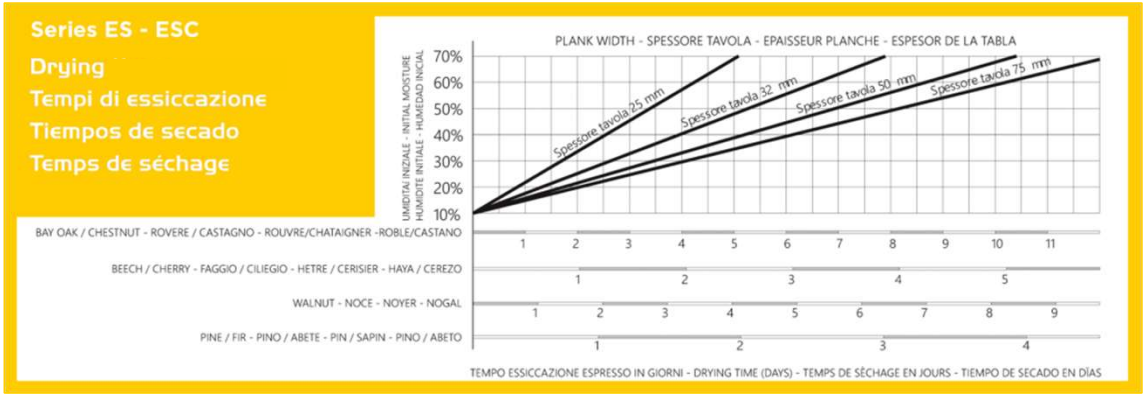
Classificazione: uso interno

2. VACUUM DRY KILNS

How do they work?

- The **vacuum dryers**, with **electric** heating or **hot water plates**, it is possible to perform wood drying ensuring a high-quality standard.
- The wood stack to be dried is never uniform, therefore providing more thermal energy by **PLC** to the areas where the wood is wetter or colder is the secret to obtain a **high degree of uniformity and quality** in the treated wood.
- The series includes both mini dryers and vertical open dryers in hot water or electrical models.

Watch it on YouTube: **Vacuum drying kilns**



Model Dimensions & Specifications

Diameter: from 700 mm (laboratory mod.) up to 2200 mm

Length: from 4 m, customizable

Power Supply: according to needs

Classificazione: uso interno

Our latest installation



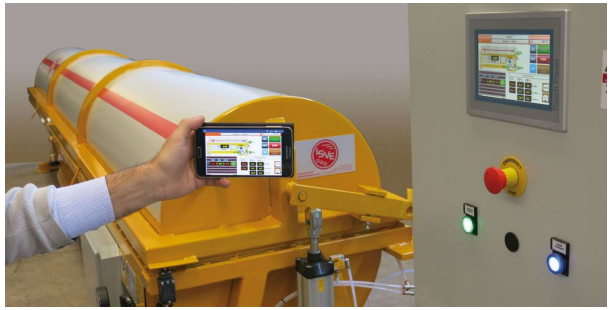
Romania



Slovenia



Canada



UK



Italy



Hungary

Classificazione: uso interno

3. HANDLING SYSTEMS

They include:

- **Vacuum suction cups** models remotely controlled so that wooden elements can be quickly and securely moved. These systems take advantage of vacuum technology to give the suction cup units better grip on the surface of the wood, even on the most irregular surfaces.
- **Automatic loading and unloading** system designed for safe handling of wood stacks in the treatment autoclave, with robust construction and resistance to impregnation solutions and repeated operation cycles. They can be integrated with load cells to ensures accurate positioning and weight measurement.



Watch the video on YouTube



Watch the video on YouTube

Classificazione: uso interno

4. SPECIAL MACHINES

Every production process has its own specific requirements.

Thanks to ISVE's fully integrated engineering structure – from mechanical design and manufacturing to electrical engineering and automation – we are able to develop highly customized solutions tailored to each customer's needs.

If your project requires **special configurations**, unique production requirements or **dedicated process solutions**, our technical team will be pleased to analyze your request and work with you to develop the most suitable system.





VAP - Steamers

Classificazione: uso interno

NEW PRODUCTS 2026

Our ongoing investments in research and development offer cutting-edge technologies:

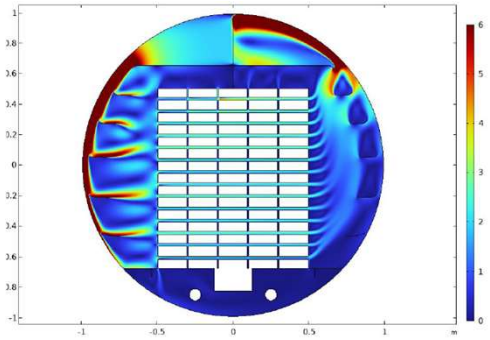
EMV DRYERS

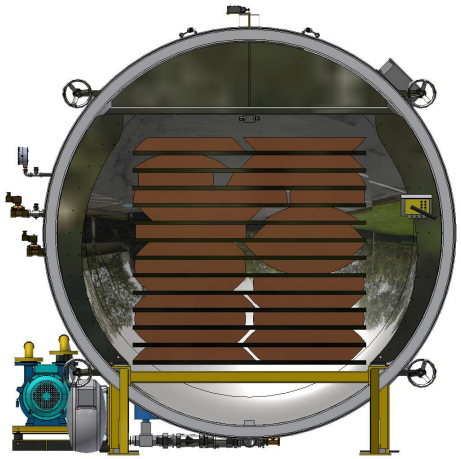
Discontinuous vacuum dryer redesigned in partnership with CMST Innovation Hub:

- **improve** drying uniformity across different production batches and energy efficiency

- **reduce** of wood defects such as cracks, warping and internal stresses

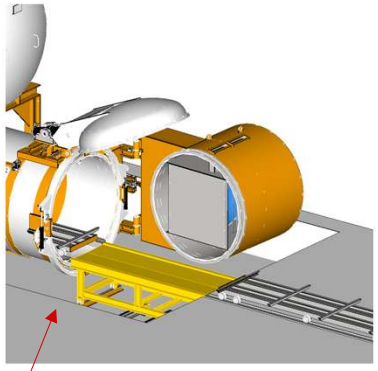
- **shorter** cycle times

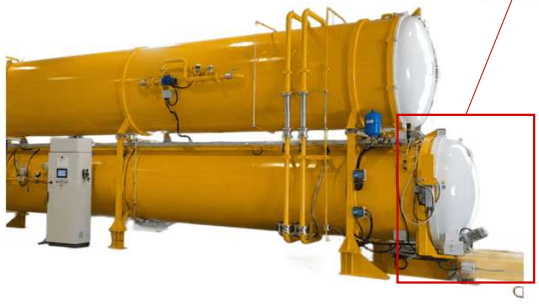




IMP-VPX PLANTS (Patent pending)

Fire-retardant/preservative **treatment** and **drying** solution. Thanks to a second door with fans, you can save time and space in your production site while using the **same machine** for both treatment.





Classificazione: uso interno

OUR BUSINESS UNIT: RECYCLING EQUIPMENT

Classificazione: uso interno

WHICH ARE YOUR RECYCLING NEEDS?

But also: leather, car tyres, metal sheets, hospital wastes, packed liquids, foam polystyrene, RAEE and much more



Plastic



Soft and hard wood



Electric cables



Special materials

Classificazione: uso interno

RECYCLING EQUIPMENT

We offer a complete range of robust and reliable shredders and grinders suitable for: plastic, wood, paper, non-ferrous metals, cardboard and much more.

They can be paired with each other with loading belts, iron removal systems and suction systems to set up customized processing line.

1



SINGLE-SHAFT SHREDDERS

2



MULTI SHAFTS SHREDDERS

3



INTEGRATED LINES



ACCESSORIES

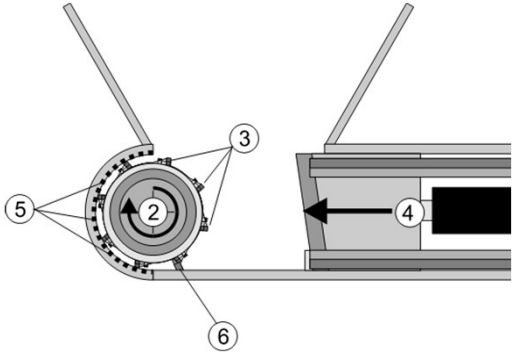
Classificazione: uso interno

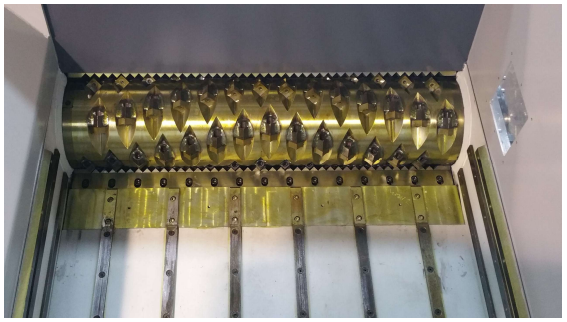
1. SINGLE SHAFT SHREDDERS

Power installed on rotor:	**11 kW to 200 k**
Rotor diameter:	**220 to 480 mm**
Rotor length:	**400 to 2000 mm**
Production:	**100 to 6000 kg/hour**

How do they work?

A hydraulically operated pusher drawer (4) pushes the material towards a rotor (2) on which inserts (3) are installed which, through the effect of rotation and the action of a counter-blade (6), perform the pre-breaking and then the grinding of the material. The final size of the ground product is determined by the size of the screen (5).





MS 48/200 single-shaft shredder

Classificazione: uso interno

Our latest installation



Cile



Romania



France



ISVE S.P.A. Italy



Italy



Italy

Classificazione: uso interno

2. MULTI SHAFTS SHREDDERS

Power installed on rotor:	**15 kW to 100 kW**
Rotor length:	**400 to 1800 mm**
Production:	**100 to 6000 kg/hour**

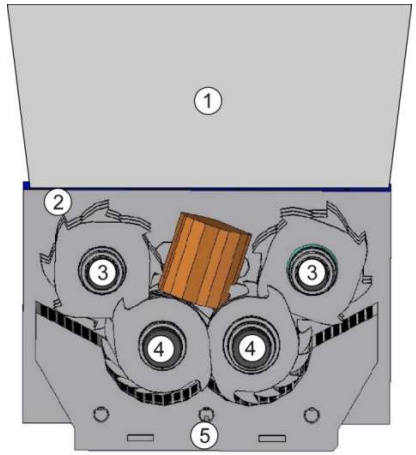
How do they work?

Material is fed through a **loading hopper (1)** into the shredding chamber. **Four-shaft shredding system** equipped with cutting elements made of **sharp-edged discs (3) with hooks (2)**.
The hooks grip the material and guide it towards the **cutting blades (4)** mounted on counter-rotating shafts, ensuring an efficient and clean cutting action.

Power transmission through an **epicyclic gearbox**, with shaft synchronization ensured by oil-bath gears.

A **screen (5)** with holes Ø from 14 to 35 mm controls the final particle size of the shredded material. Oversized material is automatically recirculated for further shredding.

The **cutting discs** can be easily removed by the operator thanks to the accessible mechanical layout. An **automatic reversing system** temporarily inverts the rotation of the blades to prevent overloads or damage when excessive or non-shreddable material enters the chamber



Four-shaft shredders video

Classificazione: uso interno

Our latest installation



Hungary



USA



Italy



Italy

Classificazione: uso interno

3. INTEGRATED LINES

Thanks to ISVE's experience in industrial shredding and size reduction technologies, we develop tailored solutions designed to optimize material recovery and operational efficiency.

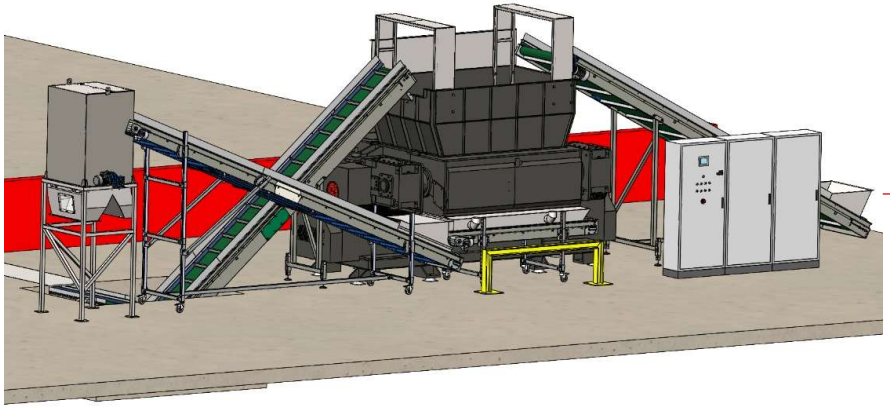
Our technical team works closely with customers to configure complete processing lines, adapting hoppers, structures and automation to specific recycling needs.



Italy

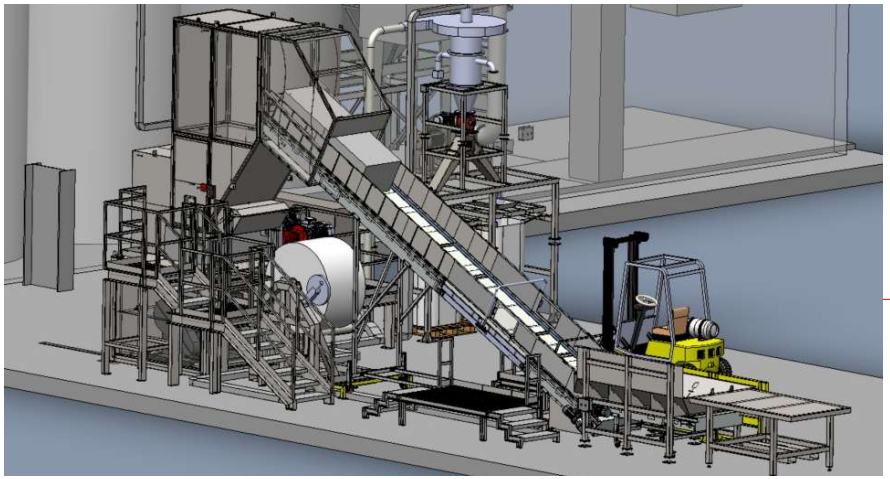
Special integrated line in Italy

Classificazione: uso interno





Italy



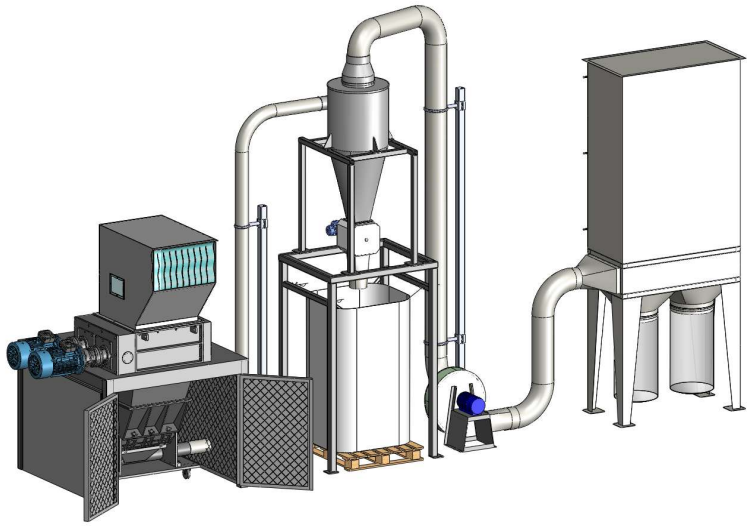


Italy

Classificazione: uso interno

4. ACCESSORIES

Among our customised machines, **combi shredders** are composed by a shredder with an in-line granulator, they can produce final chips between 12 and 4 mm. Best suitable for bulky plastic material, paper and wood items. We can offer bin tippers, conveyor belts and much more.



Italy



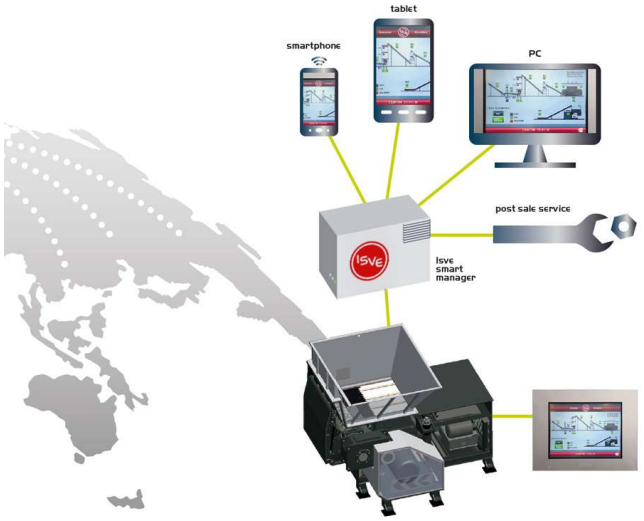
Classificazione: uso interno

OTHER SERVICES

ISVE SERVER CONNECT

Each machine can be **connected via internet**, thanks to an additional module installed in the electrical cabinet.

With this system, our technicians can directly check if the machine is operating properly, update the software, modify and optimize operating parameters, performing real time diagnostics.





CUSTOMER SERVICE

In our business philosophy guaranteeing **spare parts, warranty and assistance anywhere in the world**, directly or through a network of qualified partners, is a fundamental commitment.

Do not hesitate to contact us via the helpline.

Classificazione: uso interno

OTHER SERVICES

TESTING LAB

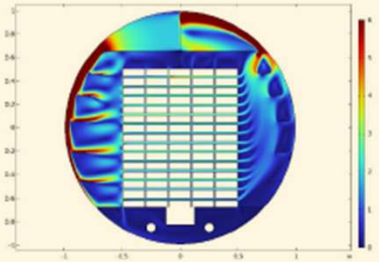
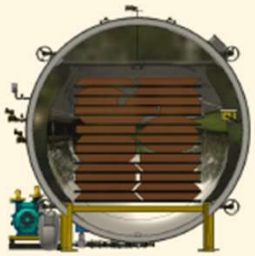
Our laboratory enables us to research different wood species and carry out customized tests to meet our customers' specific requirements.

WOOD TREATMENT TEST





DRYING TEST

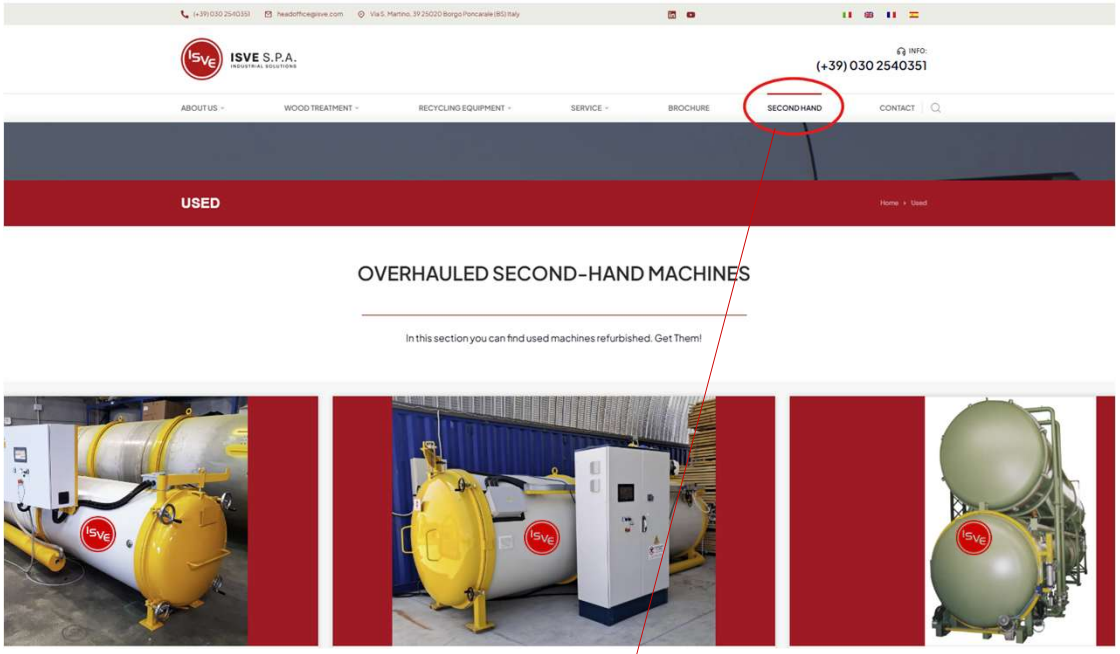

Moisture meter test before and after vacuum drying.

Classificazione: uso interno

OTHER SERVICES

SECOND HAND MACHINERY

Every machine available undergoes our certified revamping process: checks, overhaul, and restoration to high standards of efficiency and safety, with work carried out by ISVE qualified technicians.



Visit our web site at "Second hand"

Classificazione: uso interno

ISVE S.P.A.
INDUSTRIAL SOLUTIONS

ISVE S.p.A. has represented the excellence of Made in Italy in the industrial sector, designing and manufacturing solutions for wood treatment and material recycling.

My qualified team and I, we have always been committed to offer reliable and customized solutions to our customers.

Ours are know-how-packed technologies that combine very high levels of efficiency and true environmental consciousness. Technological innovation and the pursuit of excellence are the keys to ISVE's significant growth on international markets over the years.



CEO

Classificazione: uso interno

Thanks for your kind attention

Via S. Martino, 39
25020 Borgo Poncarale (BS) Italy
Tel. (+39) 030 2540.351
headoffice@isve.com
www.isve.com