



**EZY WOOD EFFECT PLANI**



EZY® is the most advanced system now available on the market to decorate aluminium profiles with wood effect.

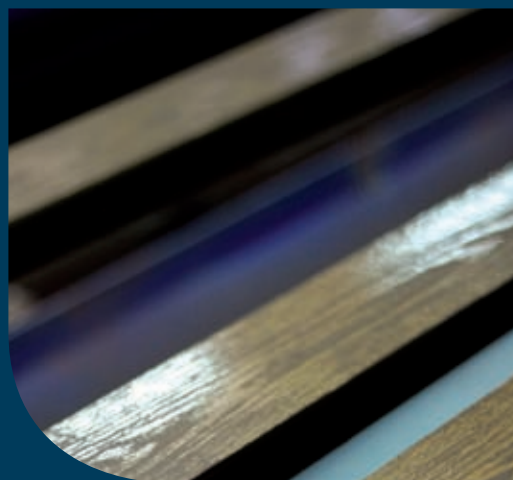
Thanks to the technological innovations introduced, it is possible to reach high production standards, with low costs as far as regards consumable materials and with reduced man labour.

The production cost per profile is very close to the traditional monochrome coating (RAL).

The designs, carried out by means of a decorative drum, are dynamic and the finishing, combination of two layers of powder (base and top coat), constant along the time.

EZY® is a trademark.

# THE PROCESS



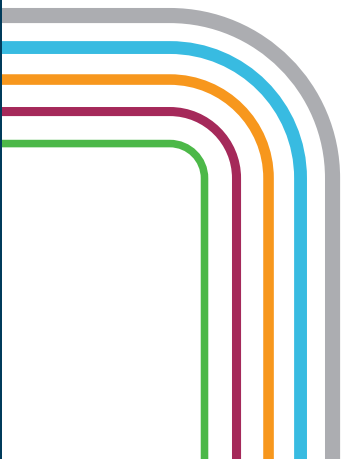


## LOADING/UNLOADING AND TRANSPORTATION SYSTEM

The transportation system consists of two chain conveyors, to which the profile ends are hanged.

An appropriate hooking system ensures the right tension of the profile, in order to enable the connection of any profile type, flexible bars can also be processed.

The profiles are loaded and unloaded by the same station (two operators only for loading and unloading); The transportation system automatically with a step movement, drives the pieces along the circuit: decorating machine, final oven for the curing of the two layers of powder (base and top coat).





## DECORATING MACHINE

This device executes the decoration with the selected pattern.

The components of the machine are:

- a profiles levelling system, assuring a high planarity during the coat laying;
- a shuttle for the decoration drum, running along the profiles' length;
- a system consisting of a drum and a powder batcher to apply the powder according to the selected pattern. **The passage from a design to the other is easy and fast.**

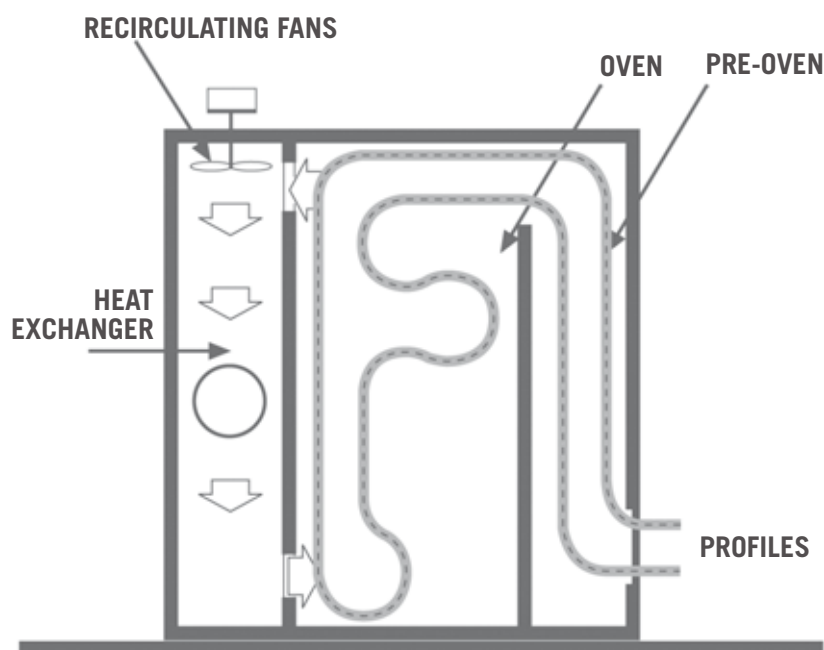


## CURING OVEN

Bell oven with forced-circulation hot air for the end powder coating polymerization.

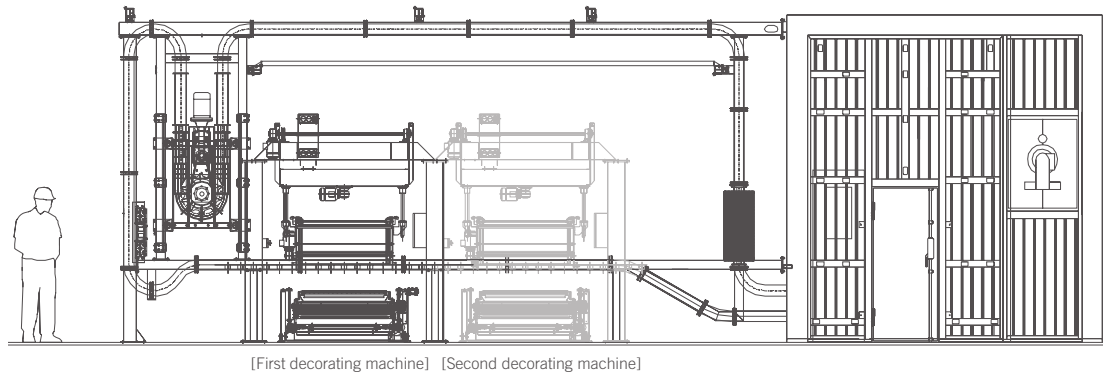
Equipped with a burner which can be supplied with Natural, LPG, or Diesel upon customer request.

The insulation, ensured by a 100 mm thick rock wool, grants together with the bell-shape of the oven, a very high thermal efficiency.



Curing oven air cyrculation circuit

# INNOVATIVE TECHNOLOGY



## WITH 1 DECORATING MACHINE

Productivity:	2 decorated sides per profile	112 pcs/h
Electrical power supply	35 kW	
Thermal power installed Fuel consumption (ind.)	170.000 kcal/h 80.000 kcal/h	
Workers		3
Overall dimension		length: 11.5 m Width: 11 m Height: 4 m

## [\*] WITH 2 DECORATING MACHINE

Productivity:	2 decorated sides per profile	212 pcs/h
Electrical power supply	50 kW	
Thermal power installed Fuel consumption (ind.)	170.000 kcal/h 115.000 kcal/h	
Workers		3
Overall dimension		length: 11.5 m Width: 11 m Height: 4 m

# ADVANTAGES, RUNNING COSTS AND FINISHING

- **First wood effect plant with transportation system, one or two decorating machines and curing oven all integrated**
- Compact Layout
- Flexible system easy to manage with change at patterns and powder (colour)
- High “per worker” output
- **Production cost per profile very close to traditional coating (RAL)** thanks to the **reduced number of operators** (max. 3) and the **low quantity of powder** necessary for the decoration (to decorate **3000Kg. of aluminium only 25Kg. of powder are required**)
- An **aesthetic result** giving the profile a **liveliness** and a **warmth** never achieved before by other systems studied for wood effect
- **Durability of the quality of the finishing** also granted in **extreme environmental situations** (constant exposition to the sun, sea areas, areas with environmental pollution)







#### **LIMITATIONS OF LIABILITY**

All data in this publication were verified with accuracy on the basis of knowledge currently available. Like all the information for the application, the data provided does not constitute binding indications, which are outside of our contractual obligations (including in relation to any rights of third parties) and for which we accept no responsibility. In particular, the figures presented are not guarantee specific about the characteristics and the user is responsible for supervising the materials we provide and the suitability for use expected.





**SAT S.p.A.**

HEADQUARTER:  
Via Meucci 2,  
37135, Verona (VR) Italy

Tel. +39 045 8280601

OPERATIONS:  
Viale del Lavoro, 46/48  
37060, Buttapietra (Vr) Italy

Tel. +39 0376 256149  
Fax +39 0376 256147  
info@sataluminium.com  
www.sataluminium.com