

iNNODEK

DECORATION
TECHNOLOGIES



INNODEK

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TECHNOLOGIES

INNODEK is the Technologies Division of the DFV Group, focused on the engineering, development, and sales of machinery and advanced industrial systems for the decoration of aluminium profiles and laminates.

We design and manufacture aluminium decoration systems using:

- EZY® powder-on-powder technology
- EGO digital technology



Developed through the DFV Group's R&D, these proprietary technologies deliver outstanding aesthetic finishes while ensuring exceptional technical performance.

INNODEK brings to market the latest generation of aluminium decoration finish systems, leveraging over fifty years of DFV Group expertise in the aluminium industry.

// INNOVATION, KNOW-HOW,
AND INDUSTRIAL VISION TRANSLATE INTO
A TANGIBLE COMPETITIVE ADVANTAGE
FOR THE CUSTOMER.

INNODEK IS A LEADING TECHNOLOGY PARTNER FOR ITS CLIENTS

We carefully design and build each system to meet our customers' specific production needs and operational context, ensuring efficiency, continuity, and a substantial ROI.

A dedicated team of specialists supports customers from technology selection through installation and commissioning, providing technical consultancy, operator training, and ongoing assistance with spare parts, powders, and advanced software for performance monitoring and process optimization.

INNOVATION AND SUSTAINABILITY

Close cooperation with our suppliers ensures continuous access to the latest innovations and technologies, seamlessly integrated into our processes to enhance efficiency, quality, and sustainability.

A customer-first approach guides every decision, ensuring operational flexibility, responsiveness and results-oriented execution, while our ongoing commitment to innovation delivers market-recognized technologies distinguished by aesthetic excellence, high quality, and long-lasting finishes.

INNODEK.
TECHNOLOGIES
FOR PREMIUM
ALUMINIUM
FINISHES.



POWDER-ON-POWDER ALUMINIUM DECORATION SYSTEMS

DFV has developed the proprietary **EZY® wood-effect** aluminium decoration technology, widely recognized for the high aesthetic quality and technical performance of its finishes.

The EZY® system delivers refined, uniform, and realistic surface finishes, while ensuring **process reliability, repeatable decoration and durability**.

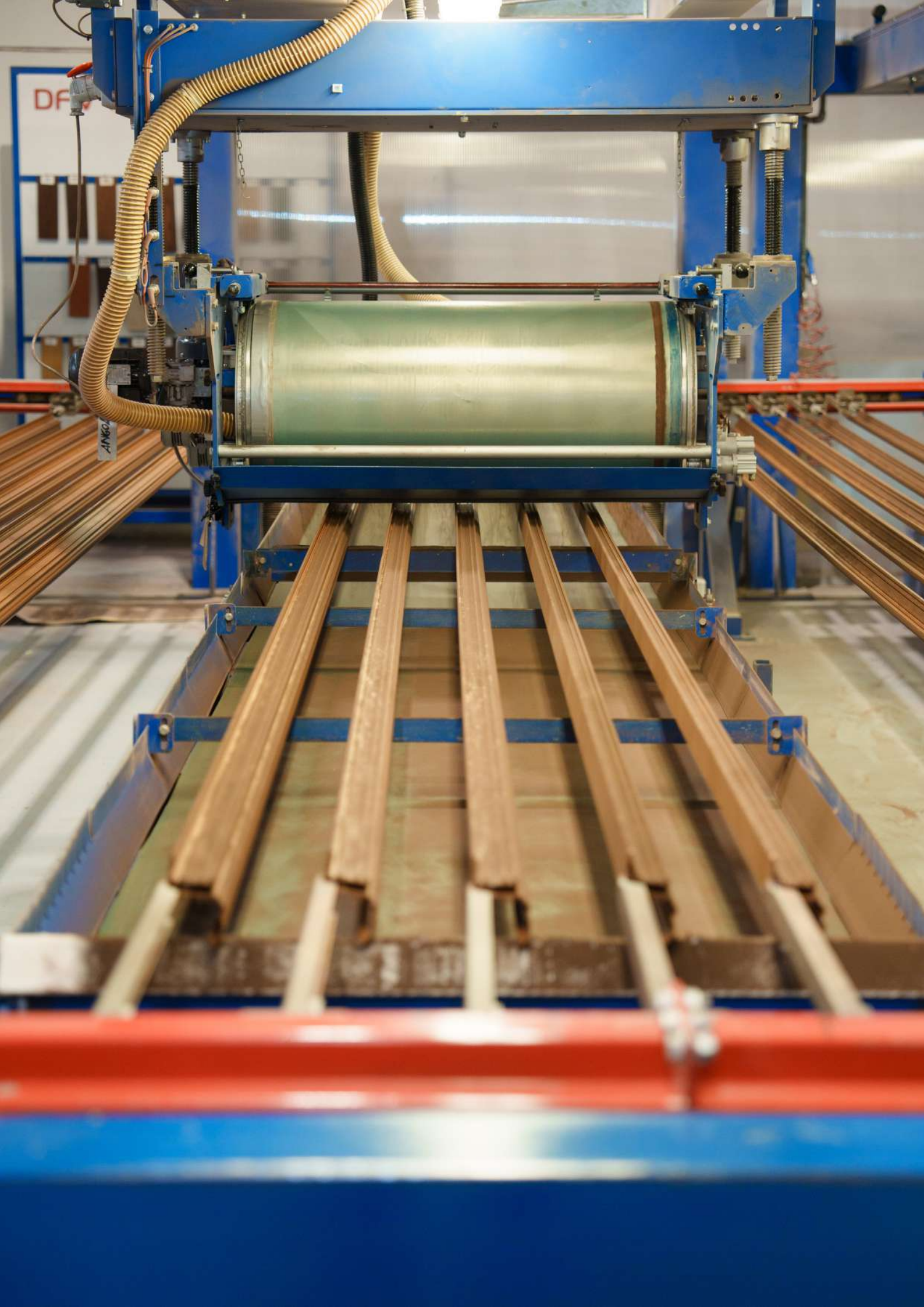
A modern, efficient, and highly automated solution, EZY® significantly reduces labour costs and boosts overall plant productivity. The system also enables fast and simple colour (powder) and finish (pattern) changes, **minimizing line downtime**.

Compatible with aluminium profiles of various shapes and sizes, the EZY® system integrates the entire decoration and polymerisation process, **ensuring continuous production and consistent quality**.

SUSTAINABLE TECHNOLOGY

DFV Group uses premium polyester, VOC free powders engineered for superior resistance to weathering and UV radiation. EZY® system includes also a powder recovery unit ensuring minimal waste. All this reflects our ongoing commitment to providing sustainable and environmentally responsible solutions.





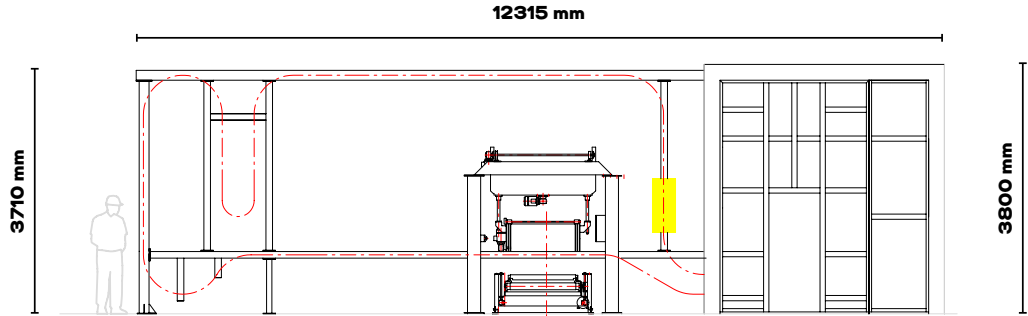


SYSTEM LAYOUTS

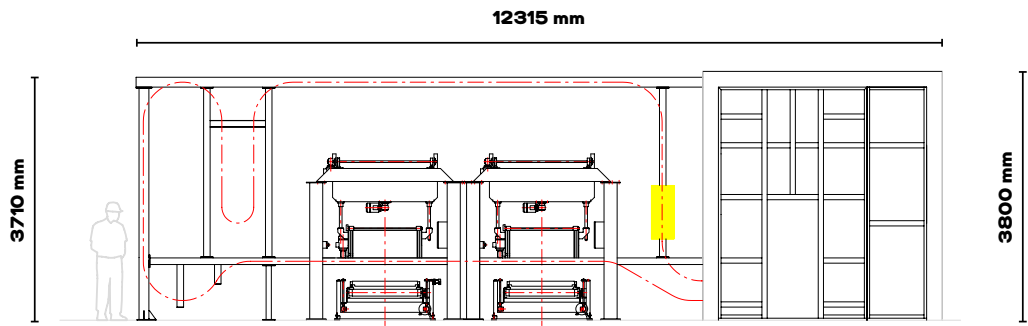


FRONT VIEW

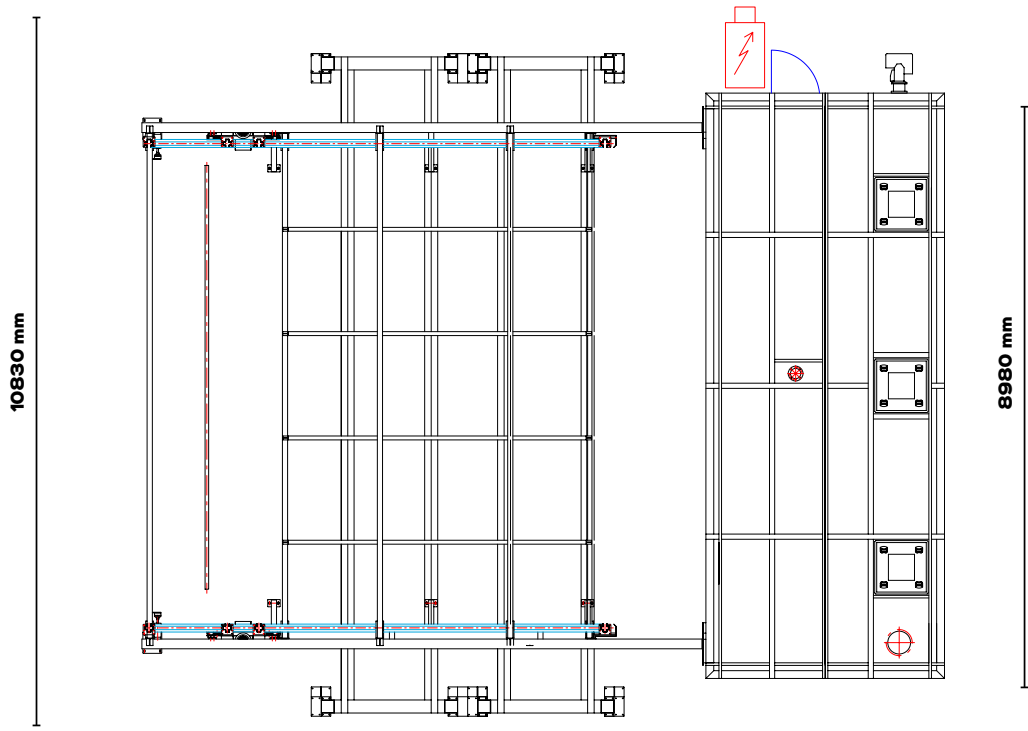
EZY-S Model



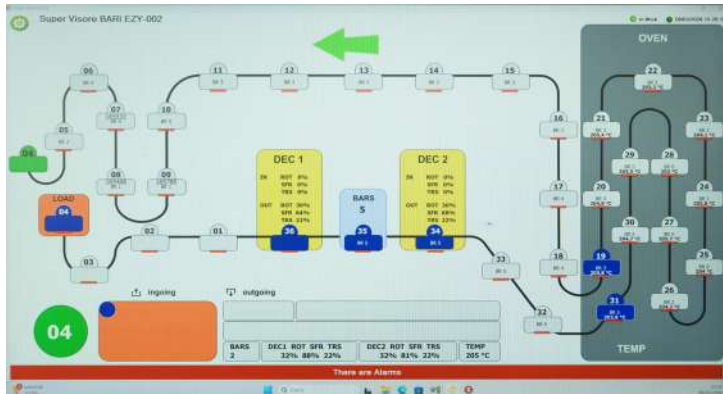
EZY-D Model



TOP VIEW



DECORATION PROCESS



LOADING AREA

/ **Profiles loading.** Profiles are loaded onto the transport system connected to the decoration drum. Before loading the profiles are pre-treated, base coated and partially cured.

WOOD GRAIN POWDER APPLICATION AREA

/ **Transport to application area.** The profiles are transported to the surface finish application area. The system can be equipped with one or two decoration drums to maximise productivity.

/ **The decoration drums** automatically apply the powder according to the selected pattern.

/ **Decoration** of the first face of the profile, then operators rotate the profiles to finish the other sides.

CURING AREA

/ **Final curing in the polymerisation oven.** Once all required sides have been decorated, the profiles are conveyed by chain to the polymerisation oven for curing. This process simultaneously final cures both powder layers: the base layer, previously applied and partially cured outside the EZY® system and the EZY® wood grain powder layer.

UNLOADING AREA

/ **Profiles unloading** in the same area where they were initially loaded, by the same personnel who handled the loading phase.

SYSTEM COMPONENTS



Transportation system composed of two chain conveyors.



Hooking system ensures the correct tension of the profiles, of any type, allowing even flexible bars to be processed correctly.



Profiles Levelling system ensures high planarity during coating.



Shuttle on a bridge structure with the decorating drum.



Automatic system for applying the wood grain powder.

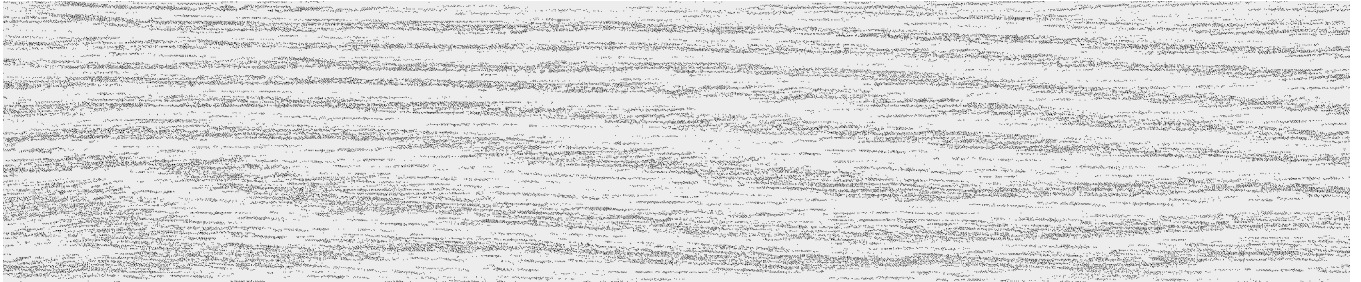


Polymerisation oven with forced-air combustion system and a burner that can be powered by natural gas or LPG, thermally insulated for high thermal efficiency.

TEXTURES



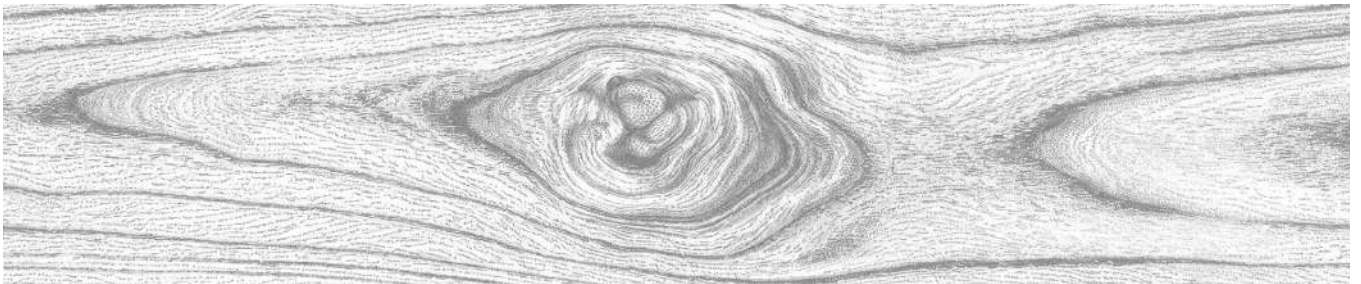
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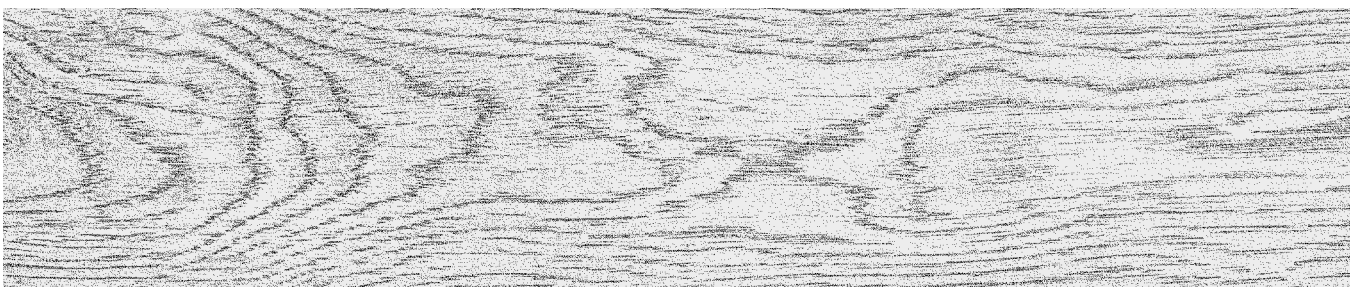
CHERRY



ICONIK



OAK



WALNUT



COLOUR COMBINATIONS



COLOUR COMBINATION	BASE POWDER	GRAIN POWDER	FINISH*
INFINITY	INDKLHD302BA	INDKLHD302BA	INFINITY ASH
POLAR	INDKLHD302BA	INDKLHD303VE	POLAR ASH
IVORY	INDKLHD805BA	INDKLHD820B1	IVORY ASH
ICE	INDKLHD805BA	INDKLHD801VE	ICE OAK
WHITE	INDKLHD805BA	INDKLHD805VE	WHITE OAK
GREY	INDKLHD820B1	INDKLHD820V1	GREY OAK
LIGHT	INDKLHD330BA	INDKLHD330VE	LIGHT CHERRY
AMERICAN	INDKLHD870BA	INDKLHD870VE	AMERICAN CHERRY
GOLDEN	INDKLHD812BA	INDKLHD812VE	GOLDEN WALNUT
WESTERN	INDKLHD510BA	INDKLHD310VE	WESTERN ASH
RED	INDKLREBAH00	INDKLHD812VE	RED CHERRY
ROYAL	INDKLHD832BA	INDKLHD832VE	ROYAL WALNUT
BROWN	INDKLHD821BA	INDKLHD832VE	BROWN WALNUT
VOLCANO	INDKLHD818BA	INDKLHD818VE	VOLCANO OAK
SILVER	INDKLHD360BA	INDKLHD360VE	SILVER ICONIK
DARK	INDKLHD366BA	INDKLHD366VE	DARK ASH

* Examples of decorative finishes achieved by combining textures and powders. Colours are indicative only.



EXCLUSIVE VALUE-ADDED SYSTEM

VALUE-ADDED FEATURES

Designed for long-term performance. The EZY® aluminium decoration system combines advanced technology and high build quality to ensure reliable performance and long-term production efficiency, delivering a concrete return on investment.

All-in-one system. EZY® is a compact, fully integrated decoration system. Conveying system, decoration unit, and curing oven all in one machine.

High productivity in terms of output per worker and low powder.

Efficiency and speed of execution. The complete decoration process requires only three workes. EZY® system is built to assure fast colour (powder) and pattern (drum) changes. After the polymerization phase, the profiles can be immediately packaged, shipped or assembled.

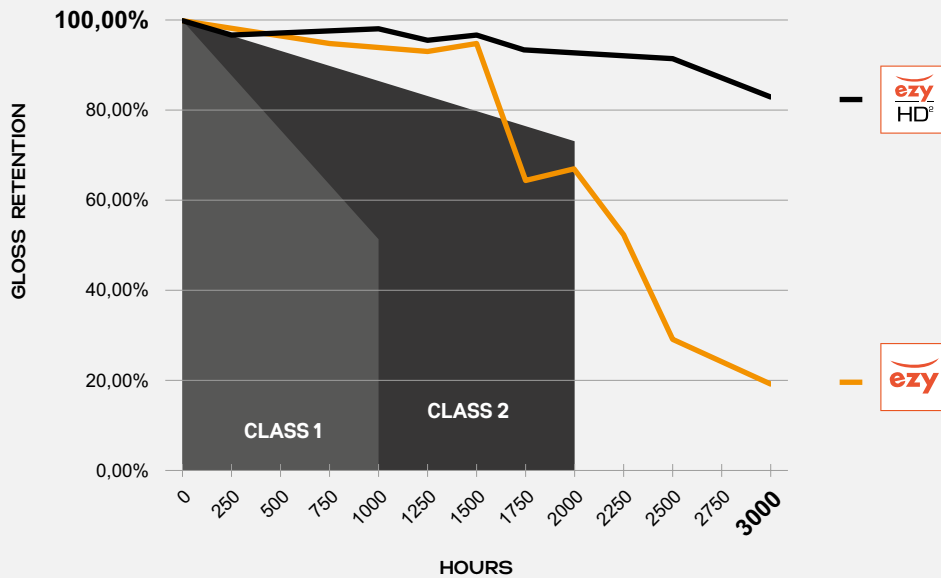
Sustainable Premium Finishes. EZY® finishes deliver superior aesthetic quality and durability, even in extreme conditions. The use of specific powders assure highly corrosion-resistant, low-maintenance and a wide variety of colours and textured wood-grain patterns. All powder are VoC free.

VALUE-ADDED SERVICES

A set of exclusive services integrated EZY's systems:

- **Professional system start-up support**, available both remotely and on-site, designed to ensure a fast and efficient commissioning, start-up and performance optimization.
- **Customized technical training programs** for production and maintenance operators. Training covers process management, optimization of application and curing parameters, quality monitoring, and routine and preventive maintenance.
- **Powder Selection and advanced technical consulting.** INNODEK offers the supply of Ezy® powders that meet QUALICOAT Class 2 certification. Our technical support enhances plant performance and simplifies procurement through a single-source supply solution, giving your operation a decisive competitive edge.
- **Comprehensive spare parts management and supply**, the service includes identification of essential parts, procurement, and on-time delivery directly to the customer, supporting operational continuity and consistent plant performance.

Durability Performance



GLOSS (GU) UNI EN ISO 2813:2016

DFV

GROUP

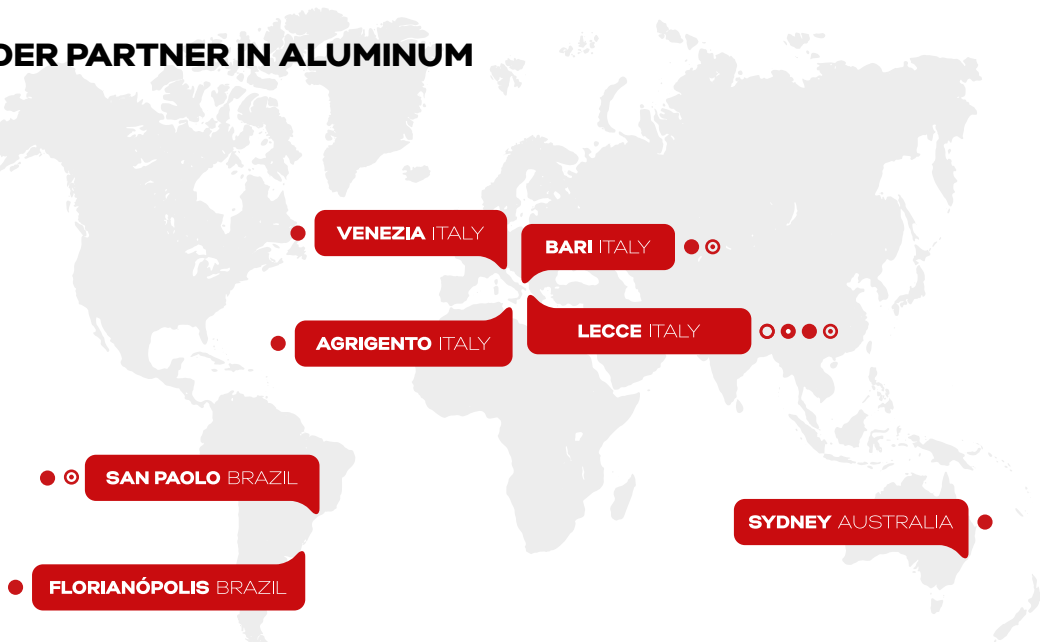


Since 1972, DFV has operated in the aluminium sector, in a leadership position for coating and powder-on-powder and sublimation wood-effect decoration services for aluminium profiles and building systems.

Today, DFV is a multinational group with facilities in Italy, Australia, and Brazil. It integrates the whole production chain from extrusion to coating and architecture systems, offering advanced logistic services and warehouse service.

TOTAL PROVIDER PARTNER IN ALUMINUM

- EXTRUSION
- TECHNOLOGIES
- COATING
- ARCHITECTURE



VISION

Be a global company in the aluminium sector, to offer a new customer experience through innovative and sustainable solutions.

MISSION

Develop excellent products with low environmental impact and pursue increasing digital integration with the customer.

MAKEIT
INNOVATION & SUSTAINABILITY

It's the reference framework for a leadership and organizational culture, which is increasingly focused on innovability.

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