

FINISHING SOLUTIONS 1972  
**giardinagroup**

DUALTECH  
**forma**  
DESIGN BY  
*pininfarina*

DUALTECH  
**forma**  
DESIGN BY  
*pininfarina*



**Giardina Group** is a world leader in technologies for painting wood, glass, composite materials, plastic and metal. The recent creation of **Destefani**, an edge and profile sanding company, now allows us to offer an extremely wide range of solutions: from beam impregnation to the treatment of “Jumbo” glass sheets, from profile finishing to sophisticated robot systems to paint windows and doors or furniture building materials. Design, development and manufacturing of **machines and full systems** for roller, film, spray and vacuum painting; **automated and robotic lines** with hot air, UV or microwave drying systems; **overhead lines** to paint windows and doors or three-dimensional pieces, **spray booths** and **special systems**, edge and profile **sanding** solutions.



## SPRAY PAINTING SOLUTIONS

In the spray painting sector, Giardina Group offers a range of solutions that over the years has been expanded with a number of models: “**Rototech**”, “**Robotech**” and “**Dualtech**” are the categories into which the Italian group’s range is now structured, recently joined by a machine that is the culmination of a *flagship project* in both technical and aesthetic terms, the “**Dualtech Forma**” designed by **Pininfarina**.

An actual “system” acclaimed all over the world, with which to **tackle any spray painting issue**, from small productions to very large volumes, in terms of quality, productivity, flexibility and sustainability.





***“A prestigious partnership and a clear, strong message to our industry”.***

**Stefano and Riccardo Mauri**, Giardina Group

giardinagroup FINISHING SOLUTIONS 1972

“Dualtech Forma” is the perfect combination of the highest design standards, which boasts **Pininfarina** as one of its most celebrated leaders, with the values that have always symbolised Giardina Group solutions. A prestigious partnership, through which Giardina Group has entrusted **Pininfarina** with the task of designing the Italian group’s new automatic sprayer. A collaboration between two Made in Italy companies, interpreters of a unique know-how, which in an industrial painting solution have been able to concentrate innovation, research and customer care: a strong contribution to Giardina Group’s business strategies to expand its business worldwide.

**Pininfarina** has chosen a design for “Dualtech Forma” that is intended to impart three key values.

**ESSENTIALITY**, through a streamlined and simplified design, with a reduced number of components.

**DIVERSITY**, which is expressed with an immediately recognisable style.

**INNOVATION**, thanks to a design capable of outlining the technology that Giardina Group offers in the relevant sectors.



**DUALTECH**  
**forma**  
DESIGN BY  
*pininfarina*

*SB (Single Belt, self-cleaning).  
DRY disposal system (suction with dry filters).*

***“A milestone in the history of Giardina Group and a reference in the coating industry!”.***

**Fabio Calorio**, Pininfarina  
Head of UX&ID Sales and Global Brand Extension

The automatic “**Dualtech Forma**” spray machine is ideal for **medium to high production rates** and is designed to spray stain, primers and finishes onto all smooth or shaped surfaces. It is equipped with an infeed and outfeed belt conveyor; the **self-cleaning conveyor** system for the parts inside the spraying area is made of a 2,000mm wide x 2,800mm long belt, closed in a loop to ensure greater transfer efficiency.

The “Dualtech” spraying technology, **two opposing reciprocating units** that can hold up to four guns each, provides an even application on all surfaces of the substrate to be painted, including the edges.

**The extraction and disposal system** is located on both the right and left sides of the belt.

Extremely ergonomic, the **new painting area** – completely redesigned – allows convenient front and rear access.

The **spraying room** is made of carbon steel profiles and pre-painted sheet metal panels; the air taken from the environment by an electric fan is filtered and evenly distributed inside the spray booth. The air distribution **plenum** ensures an efficient flow, thus reducing the paint overspray. “**Dualtech Forma**” is fitted with two **additional air distribution plenums** located at the inlet and outlet of the spray booth, so as to keep the spray booth under vacuum, thus preventing the overspray from escaping and ensuring that the extracted air is fully filtered.

Two longitudinal 2,000mm **filter media**, made of galvanised sheet metal steel with capacitive honeycomb paper filter, capture the overspray.

An electric fan installed next to the filtration box, with dry filters, ensures the **evacuation** of all overspray from the spraying room, preventing the expulsion of particulate matter.

The **operator interface** is provided by a 23-inch touch screen control unit for easy management of the production functions and data, display of alarms, start-up of saved work programs and management of routine maintenance.

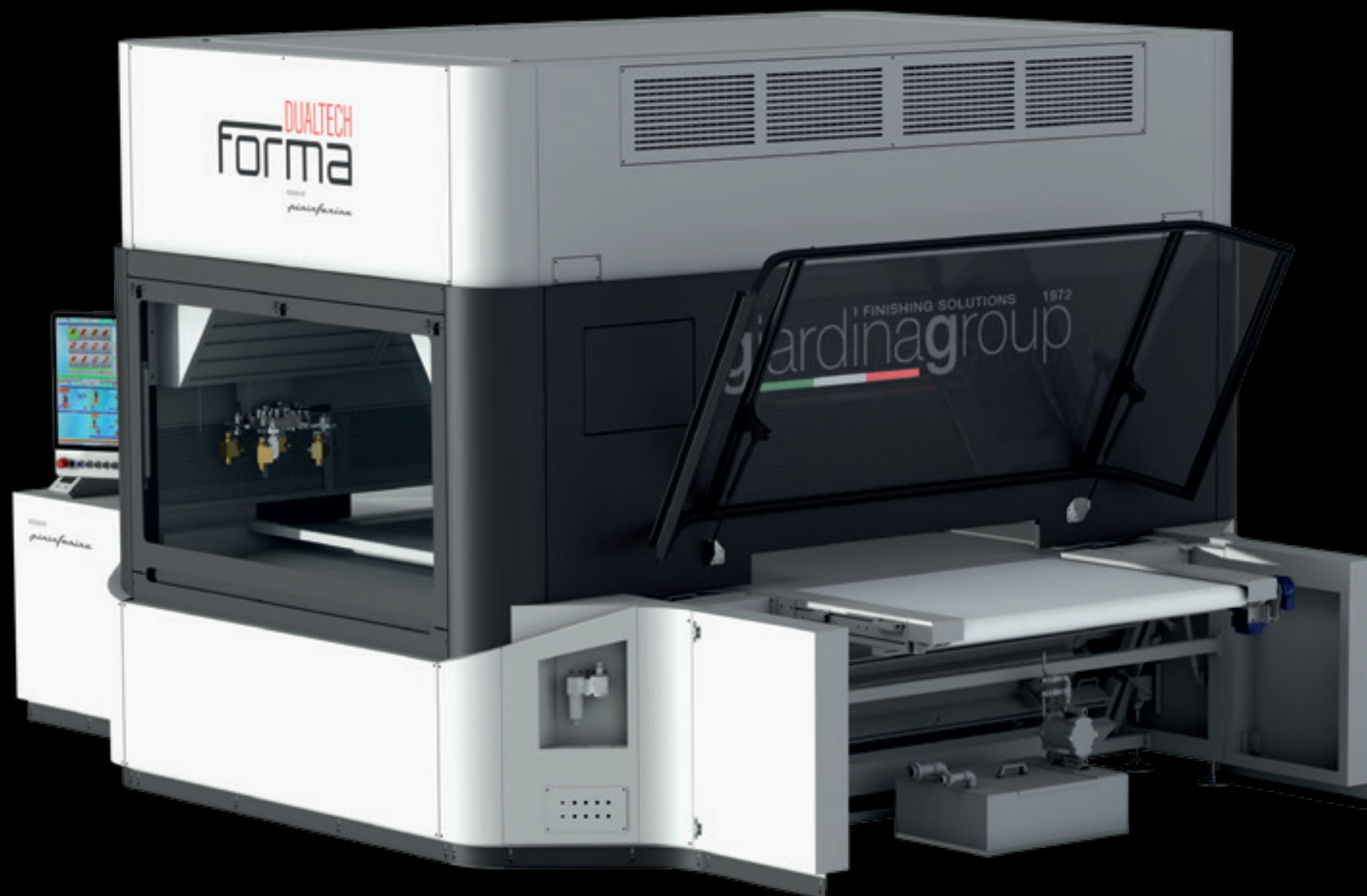
The **dimensional reading device for the parts** to be painted scans every 5 millimetres so as to optimise the painting phase and reduce consumption. The data, processed by the management software, are transmitted to the guns as ON/OFF signals.

“**Dualtech Forma**” is equipped with environment air supply and filtration unit (air heating and air conditioning system on request).



## TECHNICAL DATA

- Basic usable working width: 1,300mm.
- Synthetic conveyor width: 2,000mm.
- Length of dry or longitudinal water curtain filters: 2,000mm.
- Gun movement system (max 4+4) driven by brushless motor.
- Reciprocating arm spacing: 1,880mm.
- 4-gun painting circuit (up to 4 independent circuits on request).



GiardinaGroup srl a socio unico

Via Vico Necchi, 63  
I-22060 Figino Serenza (CO)

**show room:**

Via Provinciale Novedratese, 25  
I-22060 - Novedrate (CO)

**phone** +39 031 7830801

**fax** +39 031 781650

[www.giardinagroup.com](http://www.giardinagroup.com)  
[info@giardinagroup.com](mailto:info@giardinagroup.com)

---

**giardinagroup** FINISHING SOLUTIONS 1972

