

Tailor-made for international success

It is by putting each customer's individual requirements first that Ferrarini & Benelli has gained worldwide respect over the past 55 years



Italy-based Ferrarini & Benelli, one of the worldwide leading companies in the field of Corona and plasma surface treatment systems, calls on more than half a century of experience as it deals internationally with leading printers, converters and extruders.

While the company's reputation speaks for itself, perhaps of greatest interest here is the perspective of a local customer who has used Ferrarini & Benelli as his "first choice" for 15 years now.

Neerab Kaushal, from UAE-based Integrated Plastic Packaging, says: "We have been using the Corona surface treatment systems by Ferrarini & Benelli for more than 15 years. We always recognise the quality of the product and service provided, and we always trust Ferrarini & Benelli as our first choice".

Such a glowing testimonial speaks to the prestige of the company founded in 1965 in Romanengo by Diego Benelli and now managed by Claudia Benelli.

As its client base has grown over time, so has the need for more cost-effective and time-saving solutions. Ferrarini & Benelli has responded by customising solutions according to the substrate or coating employed by its customers and by researching technology developments and new materials.

For instance, Ferrarini & Benelli has customised Corona treatment systems for manufacturers of films intended for the food packaging sector, with modular characteristics such as oxygen permeability and gas barriers to extend the lifespan of the products. Food and Beverage packaging is typically required to follow strict rules and regulations, and so requires complex lamination products to protect against ultraviolet rays and moisture, especially in case of fresh produce. Even pharmaceutical products require both high barrier and minimum film thickness as manufacturers strive for flawless print while reducing waste. Attempts to become more

environmentally friendly have resulted in many manufacturers and converters investing in solvent-free technology, which requires higher surface tensions and make the role of a Corona treater indispensable to improve adhesion. That is why the Polimetal surface treatment system by Ferrarini & Benelli has become one of the most sought-after options for a wide range of converting applications: its simplified air-gap adjustment system ensures a fast set up of electrodes, while the open design allows easy access to the electrode area and quick maintenance.

On other occasions, the company has had to deal with ambitious requests. Some companies want to optimise results by operating non-stop. In such cases, cooperation has been key to meet their standards. Ferrarini & Benelli has been able to design customised solutions with the purpose of maximising the space available.

Another example of how the company has tailored solutions to customers' needs is the in-house lab. In order to work more cohesively alongside customers, Ferrarini & Benelli has set up an in-house lab where the trained technical department tests samples provided by customers, to make sure that the parameters of treatment are correct and lead to the best possible result.

To evaluate whether Corona treatment has been effective, its technical department tests the surface with Dyne Test Inks, which allow accurate measuring of the effects of

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Neerab Kaushal
General Manager
Integrated Plastic Packaging



Corona treatment. If treatment has not improved the adhesion characteristics of the sample, the test is repeated at different speeds and intensities.

The company is also very active in terms of sustainability. It joined the i-Label project for a sustainable and “smart” label that attempts to reduce the environmental impact of packaging by

working strategically on sharing skills and knowledge together with other important companies (Fedrigoni Self Adhesives, Omet, IIT, VDG Lab, ILTI). I-Label aims at recovering waste material, thus reducing the amount of plastic employed, decreasing the thickness of the label itself, eliminating waste and causing less pollution.

In response to the pandemic,

Ferrarini & Benelli has taken big steps to reduce the physical distance separating it from customers, but giving prompt and effective remote technical assistance still poses a great challenge. To overcome this, the company is investing more in digitalisation and innovation.

For 55 years, Ferrarini & Benelli has helped companies

resolve any adhesion problem, reduce surface contamination and choose the safest, most affordable and technically efficient surface treatment.

The knowhow, flexibility and wide range of solutions offered to complement customers’ application allow Ferrarini & Benelli to stand out as leaders in the field of surface treatment systems. 🏠



Ferrarini&Benelli
Corona and Plasma

The universal Corona treatment

Completely designed and manufactured in Italy, the Polimetal model provides excellent surface treatment on **all types of materials: plastic, metallised films, paper, aluminium foils and laminates.**



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