



Ferrarini&Benelli
Corona and Plasma

PLASMA TREATMENT



Plasma treatment

Ferrarini & Benelli specialise in atmospheric plasma treatment systems **for plastics** and provide the most suitable solutions to improve every stage of **printing and adhesion processes**.

Our solutions

Depending on the substrate and the purpose of treatment, our consultants will help you to choose the most effective solution which best fits into your production line.



In Air Plasma is available with 1 – 2 – 3 – 4 nozzles. Each nozzle allows treatment of a 10 mm surface, up to a max treating width of 40 mm.



In Air Plasma XL is equipped with two special nozzles: one is designed to treat up to 25 mm, the other up to 70 mm. These two nozzles are interchangeable.



In Air Plasma Spark is suitable for specific applications. The treating width of each nozzle is 40 mm. Available with 1 or 2 nozzles.

Applications and benefits

- Plasma treatment **activates plastic substrates** by making them more receptive to inks and coatings and ensuring **excellent printing and varnishing**
- It improves adhesion of substrates before the phases of **gluing or sealing**
- It ensures printing of a **coding** resistant to environmental conditions and wear on **electric cables, pipes and fittings**
- It allows to remove contaminants and delivers a deep **cleaning** of objects to provide surfaces with specific features
- **Environmentally friendly**: plasma treatment **consumes minimal energy**

Digital generators

We design and manufacture the digital generators which power our plasma treatment systems.

- Compact design and remotable control panel, which displays all the main working parameters
- Integration of plasma on and off discharge controls into the production line
- Integrated high-tension transformer
- Safety alarm indicators (short-circuit, overtemperature, air and discharge presence control)



Why choose our plasma treatment?

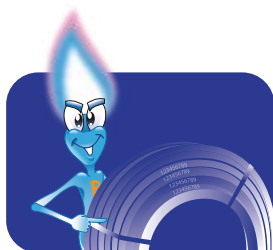
With **60 years of experience** in surface treatments, Ferrarini & Benelli can find the right solution for your substrates.

- All the main components are manufactured in-house and available from stock for prompt supply
- Our systems may be integrated into existing production lines to **increase productivity** and **reduce costs** sustained by our customers
- It is user-friendly, does not require special maintenance and reduces energy consumption

Services and consulting

- Project consulting to customise the treatment system according to your specific needs
- In house lab for plasma treating samples
- In case of integration into your production lines: on-site tests, installation, start-up and training by our specialised technician
- Technical assistance and timely spare parts service
- Possibility to rent a plasma treatment system for an extended production test

Special applications



Treatment of
pex pipes



Treatment of electric and
special cables



Treatment of
folder-gluer lines