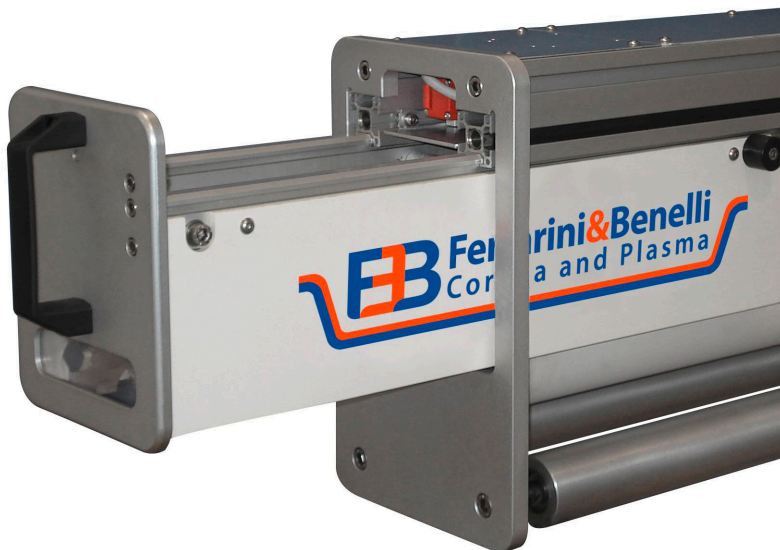


Great flexibility

Ferrarini & Benelli (Romanengo, Italy), a leading company in the design and manufacturing of surface treatment systems for improving the characteristics of adhesion of many substrates, has devised a new optimal solution for narrow webs and labels

An increasing number of label manufacturers requires their production lines to be equipped with surface treatment systems suitable for specific needs,

such as the elimination of waste material, the reduction of start-up times of their machines and the creation of unique labels. As they are becoming more and more



The ET 98 treatment system from Ferrarini & Benelli

INFORMATION

Innovations at Print4All 2022

During Print4All at Fiera Milano, Ferrarini & Benelli will exhibit the universal corona treatment system Polimetal, which is reported to be perfect for converting applications such as laminating, coating, flexo and gravure printing and extrusion coating. The range of treatable surfaces, such as plastic and metallised films, paper, aluminium foil and laminates is also very wide.

Polimetal is equipped with ceramic electrodes and a ceramic-coated roller and is available in four different models, both in a single and double-sided version. Each model may be

Third generation owners, the Petty family, with their Martin MCBWW automatic splicing unwind.



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accessorised with options to meet specific production needs and adapt to any working condition.

The system's open design, ceramic electrodes and ceramic-coated roller ensure that the air-gap adjustment and routine cleaning and maintenance operations are extremely straightforward.

The **Kappa Uno** model is characterised by a compact layout, particularly easy to install on the customer's line owing to the reduced size of the structure.

Kappa Plus Uno is the most versatile model in the Polimetal line, designed to adapt to the customer's line speed, thickness and chemical-physical properties of the material to be treated and can be easily installed on any converting line and in any position. Available with integrated motorisation and an extended shaft, it can also be equipped with a pressure roller to avoid any back-side treatment effects. The design of the system also allows quick and easy film threading, ensuring consistency of treatment.

Marked by slightly enhanced features compared to Kappa Plus Uno, **Kappa Plus Due** is designed for high speeds and high-performance processing.

Finally, **Kappa Plus XL** can house a roller with a larger diameter compared to the other models and it is considered to be the ideal solution to treat even the most difficult materials, characterised by high levels of viscosity, requiring high surface tensions at the highest line speeds (600m/min).

Hall 11, Stand K11 L17

technologically advanced and are increasingly characterised by special processing, labels are even able to provide customers with valuable information about the product or come with anti-tampering and anti-counterfeiting systems.

Treatment for narrow webs

The ET 98 treatment system developed by Ferrarini & Benelli stands out thanks to its great flexibility and can be installed on narrow web printing presses designed to be combined with a wide range of printing and finishing technologies. Examples are UV flexo, water or solvent based, rotogravure or offset printing as well as specific finishing techniques, such as embossing, aesthetic lacquering, varnishing and protective lamination.

Narrow web treatment maximises treatment efficiency across the entire web and ensures top wettability and ink adhesion to the surface of the material. ET 98 is equipped with an open-cartridge system facilitating film threading and, owing to the small size of each component of the system, installation on the customer's production line is effortless.

Conductive ceramic coating

The discharge roller is coated with a conductive ceramic coating, which improves the frictional performances of the system and ensures excellent treatment results. ET 98 comes with a generator with digital control system and a multilingual communication display. The system regulates treatment power according to the line speed while also displaying the discharge density and the value of set and delivered power.

A compact, flexible and adjustable system, ET 98 is designed to be perfect for the needs of high-quality labelling and packaging manufacturers who want to maximise production efficiency by increasing ink wettability and adhesion to their material, while also reducing waste, time and costs, and upholding high quality standards. ■

Image source: Ferrarini & Benelli



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