CORONA & PLASMA
FOR NARROW WEB
The Corona surface treatment is essential in label printing. When the label is made from plastic substrate the ink tends to become blemished due to its inability to bond to the plastic. This problem occurs because the surface energy of the plastic is insufficient to permit a proper bond. A quality Corona treatment is necessary to ensure the perfect label print quality we all want to see when looking at products at the end of the production line. Therefore our Corona-Plus systems are not only designed for our customers in narrow web printing, but also for our customers’ customers, as our Corona-Plus systems help you obtain a flawless and long lasting quality print.

Often, our customers discover that batches of incoming material have low dyne level (surface adhesion) or that the dyne level of the material on stock has decreased due to heat or humidity. Due to the low dyne level the narrow printing press cannot run at full speed.

As a consequence the Vetaphone Corona systems are used for boosting already treated materials to create high adhesion ability.

A common problem in the narrow web industry is the necessity for using top coated materials which have been chemically altered in order to obtain a high surface adhesion for inks. The top coated materials are more expensive to purchase than regular materials. By adding a Vetaphone Corona-Plus treater to your narrow web press, you will often eliminate the need for using top-coated materials and thereby decrease production costs significantly.

Optionally, difficult to treat materials can be applied a Plasma treatment, which on special materials can create better and longer lasting adhesion. To enable Plasma treatment the Corona Cartridge is replaced by a special encapsulated Plasma cartridge, where gas can be connected to remove the oxygen, thereby creating Plasma treatment.

Specifications

- Treatment Width
- Pullout Width
- Roller Face
- Technical Specifications
- Widths: 350-860 mm / 14-34 inches
- Speeds: 1-400 m/min / 1-1300 ft/min
- Side for treatment: 1 (2 sides optional)
- Electrodes: Ceramic (up to 6 pcs)
- Roller covering: Stainless Steel
- Roller diameter: ø100 mm / ø4 inches
- Mounting: Cantilevered or Base Mounting

Technical Specifications

<table>
<thead>
<tr>
<th>Station</th>
<th>Treatment</th>
<th>Roller</th>
<th>Mounting</th>
<th>Pullout</th>
</tr>
</thead>
<tbody>
<tr>
<td>VE1A-A</td>
<td>350 mm / 14 inches</td>
<td>410 mm / 16 inches</td>
<td>455 mm / 18 inches</td>
<td>890 mm / 35 inches</td>
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<tr>
<td>VE1A-A</td>
<td>420 mm / 17 inches</td>
<td>480 mm / 19 inches</td>
<td>525 mm / 21 inches</td>
<td>1030 mm / 41 inches</td>
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<tr>
<td>VE1A-A</td>
<td>560 mm / 22 inches</td>
<td>620 mm / 24 inches</td>
<td>665 mm / 26 inches</td>
<td>1310 mm / 52 inches</td>
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<tr>
<td>VE1A-B</td>
<td>650 mm / 26 inches</td>
<td>710 mm / 28 inches</td>
<td>760 mm / 30 inches</td>
<td>1500 mm / 59 inches</td>
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<tr>
<td>VE1A-B</td>
<td>780 mm / 30 inches</td>
<td>820 mm / 32 inches</td>
<td>870 mm / 34 inches</td>
<td>1720 mm / 68 inches</td>
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<tr>
<td>VE1A-B</td>
<td>860 mm / 34 inches</td>
<td>910 mm / 36 inches</td>
<td>960 mm / 38 inches</td>
<td>1900 mm / 75 inches</td>
</tr>
</tbody>
</table>

Other sizes available upon request
Our Corona-Plus Stations for NARROW WEB

Our VE1A Corona-Plus station is designed to ensure easy operation and high efficiency. Let our VE1A give you the best Corona treatment the easiest way.

**FEATURES**

**Quick Change Cartridge**
- The electrodes are placed in an easy removable Quick Change cartridge. This enables easy cleaning and changing of the complete set of electrodes in a matter of seconds, and thereby providing reduced maintenance costs and increased productivity.

**Ceramic Electrodes**
- The Corona stations are equipped with ceramic electrodes for treatment of both electrically conductive substrates and non-conductive film. The ceramic electrode system can be upgraded from four to six highly efficient ceramic electrodes if treatment of difficult materials is required.

**Rollers**
- All Vetaphone narrow web stations are delivered with stainless steel backing roller for optimum stability and rotating accuracy. The VE1A Corona-Plus station is also delivered as standard with two guide rollers ensuring perfect web path of the film.

**Double End Plates**
- To fulfil the increasing demand for precision and quality in the printing process Vetaphone has designed the VE1A station with double-end plates. This construction makes the station more robust which ensures perfect alignment and a more uniform surface adhesion on the end product.

**Rollers**
- All Vetaphone narrow web stations are delivered with stainless steel backing roller for optimum stability and rotating accuracy. The VE1A Corona-Plus station is also delivered as standard with two guide rollers ensuring perfect web path of the film.

**High Humidity Resistant**
- The Vetaphone Corona-Plus treaters for narrow-web are uniquely designed for usage in humid areas due to strict use of high quality insulators and optimum airflow extraction.

**Ozone Extraction**
- The units can be supplied with ozone extraction from the back or optional from the top of the station. Besides removing the ozone the extraction unit also has a cooling effect on the ceramic electrodes, giving them prolonged durability. All parts utilized in the stations are made from corrosion and ozone-proof materials.

**Plasma Option**
- Standard Vetaphone Corona equipment are also available as a Plasma version, where the Corona Cartridge is replaced by a special encapsulated Plasma cartridge, where gas can be connected to remove the oxygen, thereby creating the Vetaphone Plasma treatment.

**Touch Control Panel Option**
- The VE1A Corona-Plus station is also available with a user friendly touch control panel that is integrated in the front of the VE1A. The touch display enables easy access to control of the station and eliminates the need for mounting of an external control panel.
NARROW WEB VETAPHONE

Our generator series for Narrow Web offers outputs from 1-6 kW all based on one single generator cabinet. iCorona generators up to 2 kW have built in HP- Transformers.

Our intelligent iCorona generators are designed to make you forget about Corona. Let our generators take care of the Corona treatment, so you can focus on your core business.

FEATURES

**Substrate Matching**
Due to the patented feedback system the electrical power on the electrodes is the highest possible, giving a total equipment efficiency of minimum 95% even during changes of substrate and additives.

**Proportional Control**
The iCorona generators are all equipped with proportional control relating power and line speed to ensure a constant Watt Density. Optionally, the control panel can display either the actual generator power output in kW, or the energy delivered to the substrate in Wmin/m² or Wmin/ft².

**Interface**
The interfaces are used to integrate the Corona system into the complete process control making it easier for operators to control and understand the complete process line. Typically all important parameters of the Corona treatment and production data can be viewed graphically at the operator’s main panel.

**Module Built**
The iCorona is manufactured for optimum efficiency. All important electronic components are built into one easy accessible module. Thus servicing your generator is simply done by plugging in only one new part, the module. Changing the complete module is quick and will make the generator work smooth and in a longer time, as all vital parts are updated to the newest technology.

**TF-415 Operator Panel**
Our TF-415 operator panel enables easy and user-friendly control of the Corona-Plus system. The panel features a graphical overview of the entire system, where line stops and errors quickly are located by LED indicators. The operator panel is removable and can be used for remote control.

BENEFITS

**iCorona for Narrow Web**
Our generator series for Narrow Web offers outputs from 1-6 kW all based on one single generator cabinet. iCorona generators up to 2 kW have built in HP- Transformers.
For many years, Vetaphone has been our preferred partner when Nilpeter customers were to be advised about the Corona equipment.
The reason for this long lasting partnership is also due to the fact that Vetaphone’s equipment matches the high quality standards required by Nilpeter, the reliability and last but not least the user-friendly type of equipment.
Furthermore, Vetaphone has shown an extended flexibility and service support throughout the years.
Expects Steen Thøisen Sales Manager at Nilpeter, Denmark.

Vetaphone are a key OEM supplier to A B Graphic, in the time that we have worked together their Corona treatment systems have been of a consistently high standard of quality. They have assisted us with good sales support, engineer training and technical back up providing an all round service that surpasses our expectations. I am happy to say that to date Vetaphone has been one of our best suppliers and I look forward to a long and beneficial partnership.
Expects David Kirkham Director at AB Graphic International, UK.

Read other customer statements on our website.

www.vetaphone.com