



**VETAPHONE**

***INVENTIONS***  
*THAT LAST*

[www.vetaphone.com](http://www.vetaphone.com)



*The Vetaphone headquarters at Fabriksvej 11, Kolding , Denmark*

# **WELCOME TO VETAPHONE**

We are a technology based company with a customer-oriented approach to business and a keen eye on the future.

Proud of our pioneering history in surface treatment, and still family owned and managed, the Vetaphone ethos is all about building trust and partnerships with customers and supplying the knowhow, technology, and personal support to improve their businesses.

As leaders in the field of corona and plasma treatment, we invest in R&D so our technology and technicians are well prepared for the frequent changes that all sectors of printing and converting industries continue to experience.

At Vetaphone, we are constantly adapting and refining the products and services we offer to bring tangible cost and efficiency benefits to all our customers, whether OEMs or end users, and we guarantee them worldwide.

We look forward to working with you, because we value your business, and we value our brand leading reputation.



Frank Eisby

CEO



**Corona**

*Corona treatment = perfect adhesion*



**NonCorona**

*No Corona treatment = low adhesion*

## ***CORONA TREATMENT***

Corona treatment is a high frequency discharge that increases the surface energy of plastic films, foils, and paper to improve wettability and adhesion of inks, coatings, and adhesives.

The problem with writing or printing on plastic film is well known. You have a plastic bag that you would like to write on with a pen, but unfortunately the ink doesn't stick because the structure of the untreated plastic has poor adhesion, which makes it impossible. Corona treatment solves this problem.

## ***PLASMA TREATMENT***

The difference between corona and plasma is: corona treatment is carried out under normal uncontrolled atmospheric conditions; plasma treatment is carried out in a 100% controlled atmosphere.

Corona is still the most cost effective solution for improving adhesion with increased wettability on 95% of all materials. However, the remaining 5% of materials pose a challenge for the industry to find an environmentally safe and inexpensive solution.

Plasma is more homogeneous and 'softer' than corona, with low heat impact to the surface that offers controlled and tuneable surface chemistry. It can be considered as a gas primer that effectively replaces corona treatment and liquid primer for special applications.

IMAGINE THE WORLD WITHOUT

# ***SURFACE ADHESION***





*THE IMPORTANCE OF CORRECT*  
***SURFACE***  
***ADHESION***

The objective of polymer treatment is to increase the surface energy and subsequent wettability and adhesion for laminating, printing, and other converting processes. Our uniform corona treatment ensures perfect surface adhesion for perfect print quality.

# TREATMENT SYSTEMS



## **NARROW WEB**

The narrow web corona system, using ceramic electrodes, is designed for label converters that require no limitations with conductive or non-conductive substrates.



## **EXTRUSION**

The corona pre-treatment of extruded substrates ensures higher surface tension that is essential for further converting processes. Our corona treaters for extrusion lines produce higher dyne levels because of the ultra-efficient design of the generators and treatment stations.



## **CONVERTING**

The corona system for converting boosts the adhesive properties of pre-treated substrates to create a clean surface that is receptive to inks, glues, and lacquers.



## **COATING**

The corona system for coating is designed to offer high performance, production security, and ease of use. Metallised substrates can be treated at speeds of more than 450m/min without damage with our new DHP® system.



## **IPLASMA**

iPlasma is an advanced surface treatment technology. It uses a controlled atmosphere, and adds small quantities of dopant gas for grafting. This provides greater functionality, and a wider range of surface capabilities.



## **GENERATORS**

Our series of intelligent generators offer power output from 1-200kW, with proportional control related to line speed. They can also display either the actual power output in kW, or the energy delivered to the substrate in W\*min/sqm.

# VETAPHONE MILESTONES

## AN INTRODUCTION TO A MARKET LEADER

From the time Verner Eisby invented the corona process in 1951, Vetaphone has been at the forefront of surface treatment technology, and today is a global market leader that continues to pioneer solutions for surface adhesion problems.

### 1951

*Verner Eisby invents corona treatment*

*Vetaphone A/S is founded in Denmark*

*Vetaphone delivers first corona system in the world and builds first corona generator (the T-series)*

### 2001

*Vetaphone celebrates '50 years in business'*

*Vetaphone launches an OEM concept making it simple for original manufacturers to incorporate the company's corona systems in their printing and laminating lines*

### 2017

*Vetaphone builds new HQ in Fabriksvej, Kolding, and more than doubles the size of its office and production facilities*



## 1959

Verner publishes his book 'E-NORM' explaining the theory equal to today's industry standard for calculating Watt Density, Material Factor or Corona Dose

## 1965

Vetaphone expands and moves into larger premises in Fabriksvej, Kolding

## 1993

After many years of success - Verner's eldest son Frank Eisby takes over as CEO

## 1999

Verner's younger son Jan Eisby joins the company as Head of Sales

## 2003

Vetaphone develops Corona Powersync allowing power synchronisation of multiple generators giving higher Kw power options

## 2011

Vetaphone trademarks 'iCorona' and iPlasma' brand names and sells first iPlasma system

## 2014

Vetaphone launches UL approved products

## 2016

Vetaphone builds more than 1000 corona and plasma systems in one year - for the first time

## 2018

Vetaphone achieves ISO:9001 certification

## 2020

Vetaphone opens a state-of-the-art test lab

## 2021

Vetaphone celebrates 70 years in business



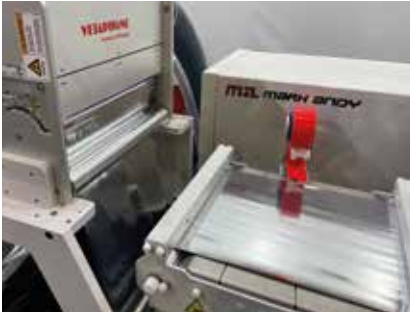
# **WORLDWIDE**

*CUSTOMER SATISFACTION*



**SOMA / Mr. Peter Kusy, Head Of Purchasing**

The launch of our Optima presses presented a good opportunity to look around at what the market had to offer. Straightaway we realized that Vetaphone was the company to work with. Both companies commit heavily to R&D to make sure they stay ahead of the competition, and we now promote Vetaphone as one of our preferred suppliers on our Optima press, which has enjoyed more than 100 sales worldwide since its launch.



**MARK ANDY /**  
*Mr. Tom Calvalco,*  
*Managing Director*

As the principal manufacturer of narrow web presses in the western world, and a global market leader in flexo technology, it is essential that ancillary technology fitted to Mark Andy presses meets our own critical standards of performance and reliability. The quality of Vetaphone design and engineering makes them our preferred supplier of corona equipment for all Mark Andy presses in Europe.



**KUNG HSING PLASTIC MACHINERY CO LTD /**  
*Mr. Kun-Lin Tsai,*  
*Vice President*

We were attracted by the innovative design of Vetaphone corona treaters. The Quick-Change system was interesting because it reduced the time taken on maintenance and segment setting. In addition, Vetaphone's modular style generators and worldwide service organisation helps us to service our customers at any time and in any location. That's why we chose Vetaphone as a partner for high quality corona treaters. Their production efficiency and quality has exceeded our expectations, and can be considered as superb!



**COMEXI /**  
*Mr. Carlos Rodríguez,*  
*Brand Manager*

We have very strict and demanding specifications that have been successfully achieved during our comprehensive tests. We are more than pleased to welcome onboard such a talented group of professionals, with the latest start of the art technology products.



**NDA SIGNED COMPANY /**  
*Mr. Christopher Lloyd*

We have been really satisfied with the entire project. There was no hesitation in signing an NDA so we could get the project started. It was nice to finally work with a company that listened to our needs and made a solution for us. The quick change system enables us to run with two different types of iPlasma, and at the same time normal Corona. The low consumption of gas is without a doubt the lowest we have been offered in the entire industry. We have now replaced an environmentally unfriendly process with iPlasma. Not only are we saving a lot of money on our running costs, but even better, we have reduced our impact on the environment.



**TRANSCONTINENTAL ADVANCED COATINGS /**  
*Mr. George Rose,*  
*Vice President Global Sales & Marketing*

As demand continues to evolve and new substrates enter the market, Vetaphone systems allow us to run many more types of films and meet our ever-growing customer needs. The fine control offered by Vetaphone corona technology plays an important part in helping us deliver improved printing and coating quality, and stronger lamination strength, thus bolstering our position in demanding technologies such as automotive and conductive films markets.

***JUST IMAGINE***

# ***OUR FUTURE***

***SURFACE ADHESION***

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