



CoronaFlex™

Increase the surface energy of label stock to improve wettability and adhesion of inks and adhesives.

Improve Ink Adhesion with Corona Treatment

Improving ink adhesion has never been easier with the new CoronaFlex™ corona treater. It is specifically designed for high speed flexographic presses and versatile digital printing applications.

CoronaFlex™ offers OEMs and printers powerful and reliable corona treatment through a compact footprint, intuitive operator interface and industry leading application expertise.

IMPROVE INK ADHESION FOR FLEXO & DIGITAL PRINTERS

POWERFUL TREATMENT

TREATS BOTH CONDUCTIVE & NON CONDUCTIVE LABEL STOCK WITHOUT ROLL CHANGE

COMPATIBLE WITH ANY OEM & PRINTING PRESS

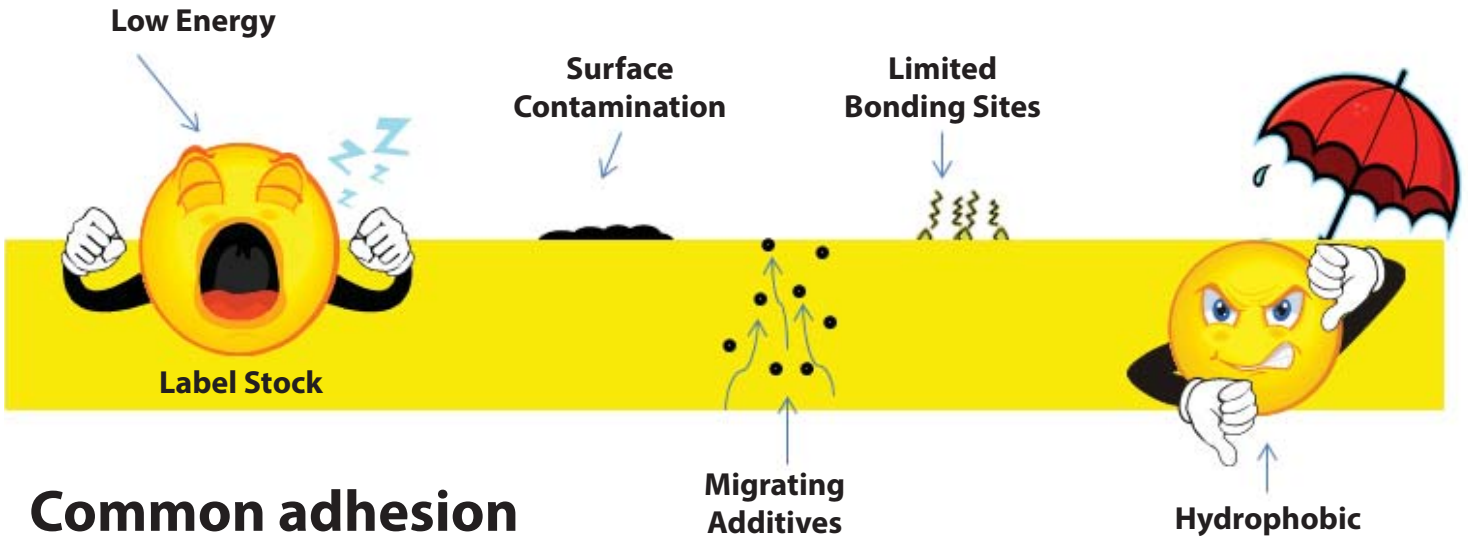
TREATS WEB WIDTHS UP TO 32" (812 MM)



**Innovative People.
Ensuring Your Treating Success.**

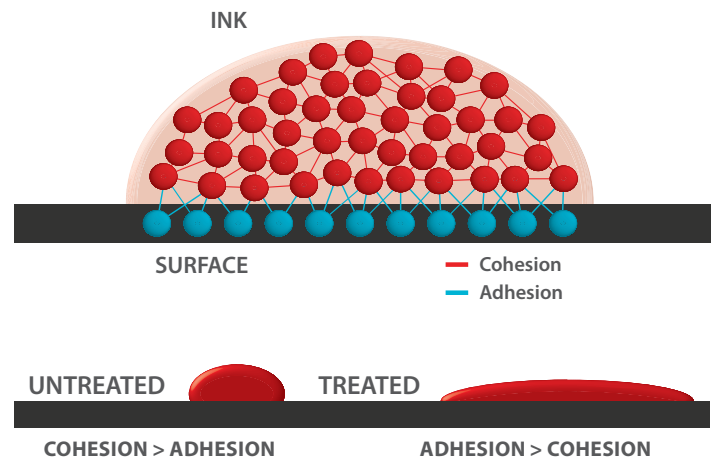
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Why Surfaces Resist Ink Adhesion



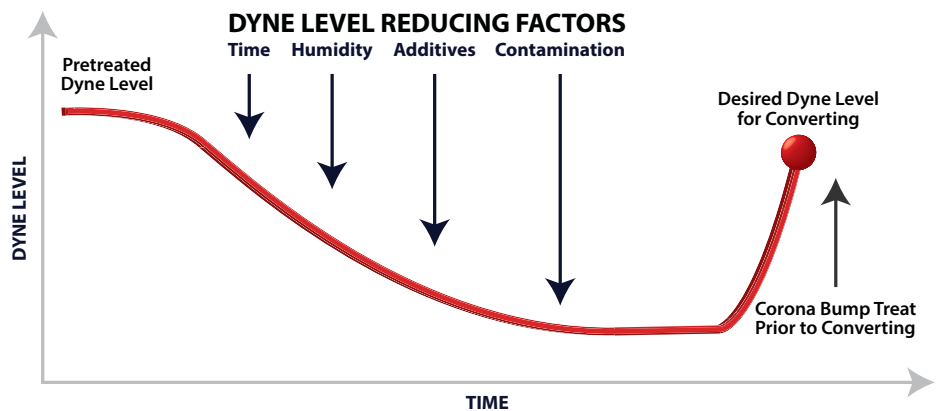
Common adhesion impediments found on label stock

Polymer films have chemically inert and non-porous surfaces with low surface energy causing them to be non-receptive to bonding with printing inks. Corona treatment increases label stock surface energy to improve its wettability and adhesion with inks.



Reverse Dyne Level Decay and Improve Adhesion

The dyne level of pretreated label stock naturally decays over time. Storage conditions, migrating additives & other contaminations contribute to this decay. Bump treating in-line ensures a fresh treat & required dyne levels.



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Enercon CoronaFlex™



Control:

INTUITIVE TOUCH SCREEN CONTROL

Guides operators through operation & power setting. Logs faults and includes on-screen troubleshooting guides

POWER CONTROL

Available in Manual, Remote and Watt Density

WATT DENSITY & PROPORTIONAL SPEED CONTROL

Ensures consistent treatment by automatically adjusting the power level to line speed changes

Operation:

EASY TO OPERATE

Versatile control options include:
Auto Start, Remote or Local Control

SIMPLE THREAD-UP

Removable electrode cartridge locks into place for quick & easy changeover

ROLL OPTIONS

Bare, Conductive Ceramic & Universal to meet needs of your substrates

Installation:

COMPACT FOOTPRINT

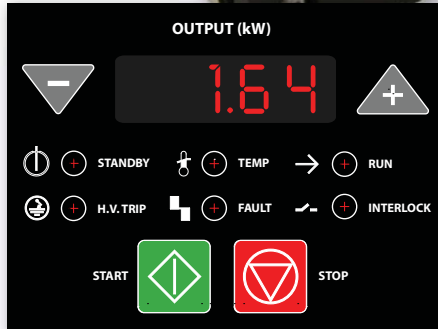
Integrate into any position on all OEM presses

SIMPLE TO INSTALL

All inclusive package engineered for easy start-up

QUICK START GUIDE

Simple instructions to guide your installation & operation



STANDARD CONTROL MEMBRANE

TOUCHSCREEN CONTROL

Start: Local / Auto Start Power: Watt Density



EASY OPERATION



IMPROVE ADHESION



How Corona Treatment Works

Corona is created in the air gap between the electrode assembly and the ground roll.

A corona treating system consists of two major components: the power supply and the treater station. The power supply accepts standard 50/60 Hz utility electrical power and converts it into single phase, higher frequency power that is supplied to the treater station. The treater station applies this power

to the surface of the material, through an air gap, via a pair of electrodes at high potential and roll at ground potential which supports the material. Technically corona is ionization of air. In its simplest form you can think of a corona treater as a large capacitor.



Enercon's Customer Commitment

- Over 40 years of Industrial Grade Manufacturing Experience
- Corona Treatment Application Expertise from Narrow to Wide Web
- Custom Engineering Partnerships with OEM Press Manufacturers
- Innovative power supply and treater station designs
- Knowledgeable and local Enercon representatives
- Extensive Engineering Support
- Free on-line training resources
- 24 hour technical assistance hotline



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