



## Laboratory

All QC customers are granted access to QC's surface analysis lab and reports free of charge. QC's lab consists of a QC sheet corona treater, dyne testing, and a KRUSS surface analysis device. The KRUSS surface analyzer provides extensive reports on the material's wettability and molecular structure pre and post treatment. The device uses a microscope to measure and document the reaction the material experiences with water and diiodomethane. This helps QC customers better understand their material(s) and provides them the tools to present the most profitable product.

## DocuDyne

QC's DocuDyne was designed with product development and R&D in mind. Companies can now corona treat and test new materials and processes prior to production. This allows companies to expand and accelerate the possibilities of new product launches and market ventures.

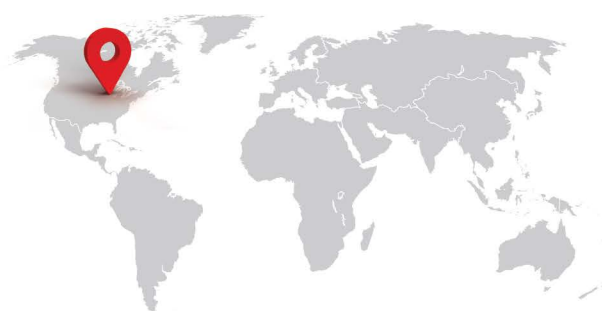


## Mission

"To provide innovative surface energy solutions through the process of corona treatment."

## History

QC was started in 1988 in Milwaukee, Wisconsin. After several expansions, QC relocated and built a new production facility in Portage, WI. The plant is 16,000 square feet with the capability to expand to 40,000. QC was started by our CEO, Kenneth Klein who has over 40 years of experience in the corona treatment industry. Our expertise in the corona treatment process has carried through generations allowing us to become a top supplier of custom designed units, lab corona treaters, and sheet corona treaters.



## Contact Us

Visit our website at [www.qcelectronics.com](http://www.qcelectronics.com) or contact [sales@qcelectronics.com](mailto:sales@qcelectronics.com) for more information about how corona treatment can help you.

✉ [sales@qcelectronics.com](mailto:sales@qcelectronics.com)  
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QUALITY

RELIABILITY

SIMPLICITY

INTELLIGENT

AUTOMATED

PATENTED



# CORONA TREATERS

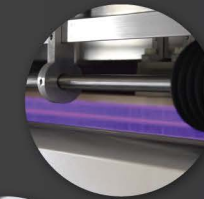
QC Electronics delivers high-power, innovative corona treatment equipment to the converting industry. QC understands the science behind successful adhesion, which we have applied to our design. Over the years, we have created a team of adhesion experts and partnered with a globally recognized engineering firm to expand our capabilities and deliver the most efficient, top-quality equipment.

**CORONA**  
**PATENTED FILM PRINTING**  
 HIGH DEFINITION CORONA  
 WATT DENSITY CONTROL  
 SHEET + WEB FORMATS  
 SURFACE LABORATORY  
 INTELLIGENT PNEUMATICS  
 COVERED ROLL BARE ROLL PLASMA HYBRID  
**EXTRUSION CONVERTING PLASTICS**



## High-Definition Corona

QC corona treaters have a unique design. QC treaters run cooler at higher power levels. QC applies the highest density corona to the smallest electrode area. It is not uncommon for QC stations to run the same set of electrodes for over 5 years. Higher density corona, cooler operation, smaller footprint.



## Emissions

Keep your emissions low with QC corona treaters. Our unique design allows for lower ozone emissions.

## Consulting

Our expertise in corona treatment allows us to offer custom builds. These custom units are designed specifically for your application; a one-of-a-kind corona treater built to deliver the best possible adhesion for your unique process.

## New Power Supply

Advanced monitoring platform using new SMT circuits. Quick glance diagnostics with LEDs and touch panel operations display. A new ultra-user-friendly power supply. QC's power supply connects to any load for a smooth, precise, and reliable corona treatment process.



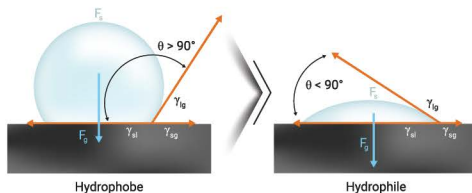
## About Us

QC has built its foundation on quality and reliability. We are proudly a family owned and operated company and have based our core business values on that of a close family - respect, loyalty, honesty, and integrity.

## What is Corona Treatment?

Corona treatment is a scientifically proven surface modification process that has been practiced in various forms for over 70 years. The object of surface treatment as a corona process is to render a typical plastic film or surface receptive to inks, glues, and coatings.

Hydrophobic (low surface energy) substrates require corona treatment to raise the surface energy to a compatible level with the adherent. A substrate is exposed to 'corona discharge' (a field of ionized air), exciting the surface molecules, thus raising the surface energy.



## Patented Technology

QC's patented metal segmented electrode assembly (US patent 6624413) was designed for blown film and cast film lines that require lane treating.

## Why QC?

Focus on developing and expanding your core business by installing a QC corona treater. QC specializes in corona treatment and adhesion science. Over the past few decades, QC has established a global reputation for expertise, quality, and reliability. QC's unique design is based off of decades of technical research and laboratory trials.

## Our Products

QC offers sheet and web format corona treaters in bare roll, covered roll, and hybrid configurations.

- Varying widths up to 10 meters wide
- Varying thicknesses up to 5/8"
- Ceramic or metal electrode assemblies
- Production and laboratory R&D configurations
- Power supplies capable of matching any load
- Custom equipment

Our team of experts will consult with you to ensure you install a system perfectly suited for your application.

## Materials

Conductive  
 Nonconductive  
 Paper, film and foil  
 Corrugated plastic  
 Foam and board  
 Metalized polys  
 And more

## Industries

Printing  
 Packaging  
 Extrusion  
 Coating  
 Laminating  
 Aerospace  
 Medical