

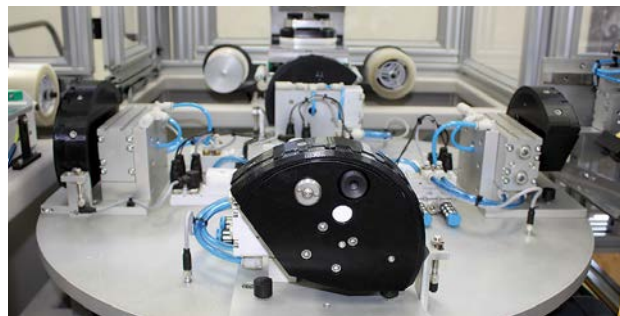
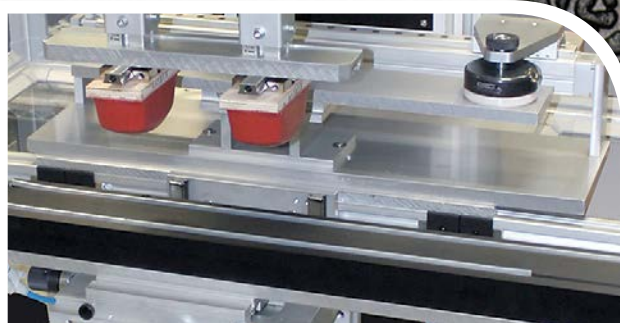


Let Us Help You Change The Way You Print

- ▶ **Ink adhesion testing** - Perform testing to determine the best ink or mixture of ink and additives for your specific printing project.
- ▶ **Ink color matching** - Mix and match custom colors as well as mix colors to look the same on different colored substrates.
- ▶ **Custom pad design and production** - Cut printing time in half with one custom pad instead of two standard ones – full pad department to design and fabricate custom pads.
- ▶ **Expanded graphic arts & plate departments** - Full-service departments to process your artwork and create your clichés.
- ▶ **Customized parts feeders, automation & post-print handling** - More efficient loading and unloading results in measurable cost savings. We can design handling solutions for your specific needs.
- ▶ **Custom fixturing and tooling, engineering and production** - We have the people and the equipment to design and execute a fixture that will leave you wondering why you waited so long.
- ▶ **Expert technical support for our machines** - When you call our toll free line, you will get a qualified technician to walk you through your problems.

**201 Tennis Way
East Dorset, Vermont 05253**

800.272.7764 | www.epsvt.com



**ENGINEERED
PRINTING SOLUTIONS**

800.272.7764 | www.epsvt.com



Our job is to take your idea from design to full realization. We offer a full line of pad and industrial inkjet printing equipment - from tabletop models to sophisticated fully automated printers.

We also design and build specialized machines to fit whatever unique application you can dream up.

But our best asset is our people. With hundreds of years of combined experience, coupled with the world's most technologically advanced and innovative machines, our team is with you to assure success.

*We partner with you to create a machine that satisfies your requirements 100%. You must be satisfied your machine is doing the job we said it would do, **or we refund your money... period.***

Call us at
800.272.7764
or visit our website
www.epsvt.com

Sales Team - Our Sales Team has one focus - you! From your first phone call through machine development, testing, shipping and on-site training, we guide you through the process.

Pad Department -

The most important component in the pad printing process is the **pad**. If your pad isn't just right, your image won't be as good as it can be. Our **Pad Department** stocks pads to suit virtually any job and can also design and fabricate custom pads.



Plate Department - All aspects of your job specifications are factored in - the length of the job and technical requirements. Your questions are answered with the expertise that provides the most cost-effective solutions.

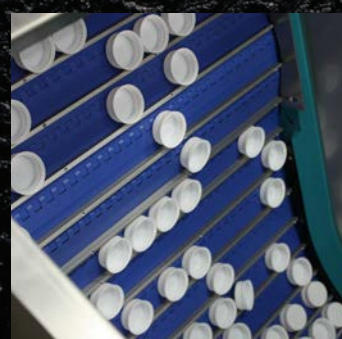
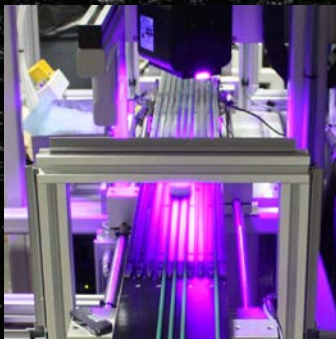
Ink Department -

When color defines your brand, it means more than swatches and paint chips.

Our **Ink Department** meticulously matches colors and formulates inks according to your requirements.



Graphics Department - Whether your idea is a rough sketch on a piece of scrap paper or you have fully developed artwork, our **Graphics Department's** job is to make your final image appear exactly as you want it, every time.



KP05 - Simple & Compact

The **KP05** is a compact pad printer ideal for volume production and tagless labeling on textiles.

This printer has a fixed cup design: the cup remains stationary while the cliché moves forward and back. As the cycle starts, the pad is in the back position allowing the operator to work unobstructed when loading and unloading parts.



KP05 - 1 Color 90mm diameter cup

- ▶ Single color - 90mm diameter cup or 70 x 140mm oval cup.
- ▶ Sealed inking system.
- ▶ Maximum print area is 75mm diameter (2.95").
- ▶ 100 x 200mm cliché size.
- ▶ Cycle speed up to 2,000 per hour.

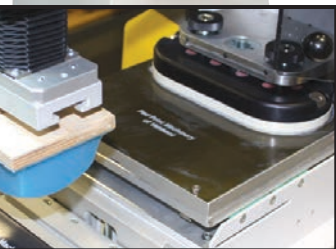
KP05 - 2 Color RR 2x 70mm diameter cups

The two color unit includes a "RR" or pad shuttle function.

- ▶ Print two colors with 2x 70mm diameter cups.
- ▶ Sealed inking system.
- ▶ Maximum print area is 55mm diameter (2.16").
- ▶ Two 80 x 200mm clichés.
- ▶ Cycle speed up to 1,700 per hour.

◀ Oval Cup Option Print longer images without the need for a cupslide.

- ▶ Retrofit possible on other machines, call for details.
- ▶ Two sizes available:
70 x 140mm (KP05)
110 x 220mm (KP06-KE06)



*KP05 - 2 Color is shown with optional rotary table, factory stand and automatic pad cleaner. Machine specifications subject to change without notice.

KP06 / KE06 - Multiple Options

Both **KP06** and **KE06** are compatible with automated part handling systems and can be fitted with custom automation and accessories such as:

- ▶ Oval cup, rotary table, flamer, automatic loader or unloader for in-line production

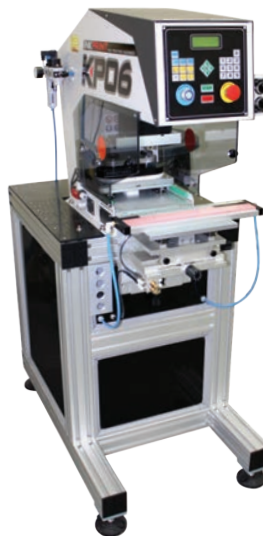
KP06 is a very versatile electro-pneumatic pad printer and **KE06** is a servo-driven pad printer designed primarily for high speed automation with a cycle speed of up to 3,500 per hour.



KP06 - 1 Color 110mm diameter cup

- ▶ Single color - 110mm diameter cup or 110 x 200mm oval cup.
- ▶ Sealed inking system.
- ▶ Maximum print area is 95mm diameter (3.74").
- ▶ 120 x 250mm cliché size.
- ▶ Cycle speed up to 1,800 per hour.

◀ KP06 with 360° catheter/tube table and oval cup



KP06 - 2 Color RR 2 x 110mm diameter cups

Includes a "RR" or pad shuttle function. The part remains stationary and the pads move for high quality and precision printing.

- ▶ Print two colors with 2 x 110mm diameter cups.
- ▶ Sealed inking system.
- ▶ 120 x 250mm cliché size.
- ▶ Cycle speed up to 1,500 per hour.



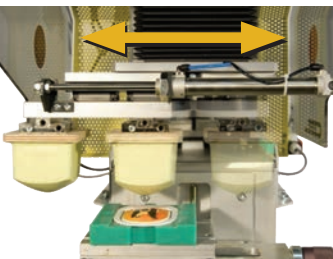
*KP06 - 2 Color is shown with optional factory stand and automatic pad cleaner. The KE06 has an optional rotary table.

KP08 - 1 to 5 Colors

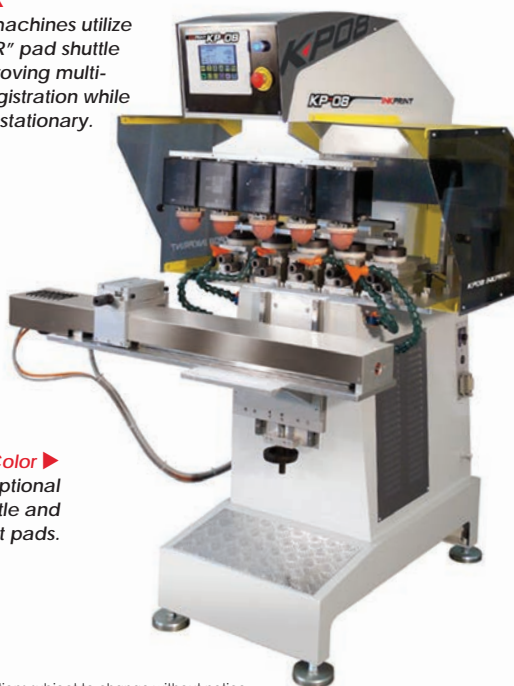
The **KP08** is our smallest pad printing model that allows full-process CMYK printing with the fifth color for a solid background or spot color.

Features

- ▶ Print 1 to 3 colors with 130mm diameter sealed cups or 110 x 220mm oval cup for single color.
- ▶ 1 to 5 colors with 110mm diameter sealed cups.
- ▶ Available with linear shuttle, elliptical or linear conveyor and rotary table.
- ▶ 360° printing on products such as catheter or tubes.
- ▶ Print on 2 or more pieces at the same time for higher output capacity.
- ▶ A cupslide can be added to print longer images up to 800mm (43.31") in length.
- ▶ Easy-to-use touchscreen control.
- ▶ Independent pad option for printing on large irregular surface areas.
- ▶ Speed of this machine is 1,000 to 1,500 cycles per hour.



Pad Shuttle ▲
2 to 3 color machines utilize the "RR"/"RRR" pad shuttle function improving multi-color print registration while parts remain stationary.



KP08 - 5 Color ▶
Shown with optional linear shuttle and independent pads.

Machine specifications subject to change without notice.

KE / KP13/16/20/30

KE13/16/20/30 - Servo speed - flexibility - power

These machines have a Windows®-based operating system that drives a completely servo-controlled print head and conveyor unit. A 20GB hard drive allows storage and instant recall of hundreds of jobs with all print parameters. Remote status tracking or programming can be done via Ethernet connectivity.

KP13/16/20 - Pneumatic - versatile - high quality

These are electro-pneumatic pad printers with 130mm to 250mm cups, respectively. High-quality printing, even on an irregular surface, with four or five colors.

The touchscreen panel displays machine function such as downstroke, front and back pause and speeds.

Features

- ▶ One to five color configurations available.
- ▶ Equipped with a state-of-the-art controller and large touchscreen display.
- ▶ Modular "plug and play" software and mechanical combi style allows for a multitude of accessories – rotary, linear and elliptical conveyors, flangers, plus longer clichés for a cupslide.



▲ Independent pads
Each pad is able to move up and down independently for printing on different levels of a surface.

KE16 - 5 Color ▶
Shown with optional linear shuttle, independent pads.



Complex Jobs - Simple Solutions

KE07/KP07 for Horizontal Printing

The servo-driven **KE07** and its pneumatic-driven counterpart the **KP07** are designed for automated manufacturing environments. The **07** is ideal for in-line printing of upright parts and can also be modified to print from below onto the bottom of parts being conveyed overhead.

Features

- ▶ Adjustable for use with multiple sizes of sealed cups and clichés.
- ▶ Features a horizontal pad stroke adjustable between 45 and 90 degrees.
- ▶ Built to accept a 60mm, 90mm, 130mm or 160mm sealed cup with minimal modifications.
- ▶ Pad stroke is variable to 8 inches.
- ▶ **KE07** high-speed brushless servo-motor can operate at a maximum speed of 2,000 cycles per hour.
- ▶ **KE07/KP07** come standard as a one-color, single pad machine, but can be modified to four colors, or four pads printing a single color.



EAZY Series

There are three **EAZY Series** pad printing machines available. Ideal for textile printing and independent sample production.

Features

- ▶ Reliable and easy-to-use pad printers.
- ▶ Sealed ceramic inking system enables color changes to be made quickly.
- ▶ Fixture support table for the **EAZY Series** printers are adjustable in all directions (X-Y-Z axes).
- ▶ **EAZY Series** cup/cliché sizes: 90mm (cliché 100 x 225mm) 130mm diameter (cliché 150 x 300mm) or a 160mm diameter (cliché 180 x 360mm) sealed cup, respectively.



In-Line Solutions

PE09 - Servo-Driven

This printer is all electric, with an easy-to use touchscreen control for one or two color applications. The dual servo drives run both the pad shuttle and cliché supports separately, enabling all pad and ink cup operations to be changed, including downstroke speed, pickup and drop-off pauses.



* Made in USA

KV09 - Servo-Driven

High-speed servo-driven pad printer with two motors, one for the vertical down movement of the pad and the other for the cliché slide. Controls can be mounted in the front or backside of the printer, plus accessed remotely.



Features

- ▶ Small footprint allows for easy integration to existing automation production lines.
- ▶ One or two color options available with 110mm cups or oval cup (110 x 220mm) for longer image area.
- ▶ Easy-to-use touchscreen control.
- ▶ Brushless servo motors control z-axis movement up to 3,000 parts per hour.

KP09 - Electro-Pneumatic

- ▶ Features are similar to both servo-driven printers with 2,000 parts per hour capability.
- ▶ A programmable pad cleaning system is also available.



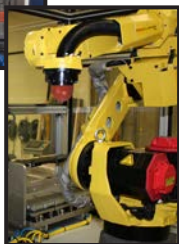
Customized Solutions

XE Tech - Pad Printing Center

- ▶ Fully automatic, computerized gantry-based pad printing center.
- ▶ PC controlled with highly sophisticated software that can be programmed to accommodate several printing points.
- ▶ The printer can choose between four different pads and six sealed ink cups to print each print point.
- ▶ One printer designed to solve the needs of multiple surface printing, colors and pads that were managed by many units in the past.
- ▶ Accommodate large panels up to 1 meter x ½ meter.



XE Robot ▲



SCARA Robot (6 axis) ▲

XE Robot or SCARA

- ▶ Four or six-axis robots can be programmed to select from six pads of different shapes and sizes.
- ▶ Can pick up a variety of inked images from six clichés, each with its own cup and/or color.
- ▶ Two-axis fixture assembly allows printing on five sides of the part and in multiple locations.

Automation options available:

- ▶ Cupslides - to print longer images with smaller diameter cups.
- ▶ Pick & Place - Devices for automatic loading and unloading of parts.
- ▶ Rotary Tables
- ▶ Catheter/tube beds (servo or pneumatic) for 360° printing and more...



Team Tagless

We started the Tagless Revolution.



EAZY130 shown ▲
with optional garment rack,
anvil and factory stand.

Tagless labeling allows garment manufacturers to print directly on the fabric - eliminating the need for sewn-in tags and the cost and labor associated with it.

- ▶ **Direct labeling** - Fine and detailed printing directly on fabrics.
- ▶ **High Speed productivity** - More than 1,000 prints per hour are possible.
- ▶ **Flexibility** - The print can be placed on any part of the garment.
- ▶ **Global support** - We have many successful operations in Asia, Central and South America, Philippines, the USA and many other locations.



EPSVT's textile inks ▶
have been awarded the
Oeko-Tex® Standard 100

Flatbed Industrial Inkjet Printers

fJET-24 Flatbed Inkjet Printer

Multi-color, high resolution UV-LED inkjet printer, excellent for personalized souvenirs, customized gifts, industrial products and special promotional items.

Features

- ▶ Best for flat to semi-flat materials.
- ▶ High quality images up to 1200 x 1200 dpi.
- ▶ Maximum print area 20" x 24".
- ▶ Capable of both bi- or uni-directional printing.
- ▶ ColorRIP software with variable droplet size control technology.
- ▶ Drop-on-demand UV-LED ink allows printing up to 6 colors [CMYK + (2) W] with rapid curing.



▲ fJET-24 shown - optional staging & storage caddy.

fJETXL Flatbed Inkjet Printer

The fJETXL is designed to combine high-quality performance and high speed at an affordable price.

Features

- ▶ Prints high quality CMYK images up to 1200 dpi.
- ▶ Offset white heads allows CMYK+ white printing simultaneously.
- ▶ Faster RICOH GEN5 printheads.
- ▶ Pin registration system.
- ▶ Larger zoned vacuum platen 24" x 40".
- ▶ Jettable varnish
- ▶ Automatically adjusts for parts up to 5.9"
- ▶ Prints signs, medical devices, industrial items, ad specialties and more!



▲ fJETXL
H: 52" D: 55.25" L: 100"

Flexible UV LED Curable Ink

FlexiCure UV LED Curable Ink

FlexiCure LED Curable Ink is specially formulated for high performance, trouble-free printing. It is the most durable UV flexible ink on the market!

Features

- ▶ Compatible with the fJET-24 & fJETXL.
- ▶ Runs the same color profile as the hard UV inks.

Performance

- ▶ Abrasion/Scratch Resistance
- ▶ Elongation and Flexibility
- ▶ 2 Year Outdoor Performance
- ▶ Optimized Printer Performance
- ▶ Minimal Printer Maintenance

Superior Adhesion

- ▶ Flexible Materials
- ▶ Pressure Sensitive Vinyl
- ▶ Reinforced Banner
- ▶ Canvas
- ▶ Fabric



Sample printing from fJET-24 & fJETXL ▶
Fine lines and details

Single Pass Industrial Inkjet Printer

XD070 - Single Pass Inkjet Printer

The perfect solution for variable image data and multi-color printing on flat and semi-flat surfaces. Drop-on-demand InstaCure UV ink allows printing up to eight colors with virtually zero down time.

This system includes an industrial PC with touchscreen LCD monitor. Store hundreds of jobs with all the print parameters for instant recall.

Features

- ▶ Continuous multi-color printing in a single pass.
- ▶ High quality CMYK images using grayscale technology.
- ▶ Product height and width to 12 inches.
- ▶ 4-color integrated RIP software available with variable support data.
- ▶ Fine lines and details at 14" per second @ 360 dpi.
- ▶ Continuous circulating ink management system.
- ▶ Automatic parts handling, pre-treatment and vision system options available.
- ▶ Available white heads allow virtually unlimited substrate color.



* Made in USA

▲ Job Queue

Store hundreds of jobs with instant recall

Scan to subscribe to our YouTube channel to view machine videos.



Custom Industrial Inkjet Printers

XD100 - Monochrome / Spot Color

Simple-to-use inkjet printer for spot color printing on flat and semi-flat surfaces. Eliminates the need for plates and pads; create artwork directly from the desktop to computer interface.

Features

- ▶ Spot color printing in a single pass.
- ▶ Accommodates product height and width of 6 inches.
- ▶ Variable data supported for text and 1D/2D barcode fields, serialized numbers, time/date stamp and link data to spreadsheets.
- ▶ Drop-on-demand InstaCure UV/LED ink.
- ▶ Fine lines and details at 14" per second / 360 dpi.
- ▶ Simple and affordable shuttle slide / fixturing for parts handling.
- ▶ Can be customized to meet specific printing requirements.



* Made in USA

▲ Pneumatic shuttle and PC interface

Program hundred of jobs and recall through the job queue. Custom fixturing available.



Conveyor Systems

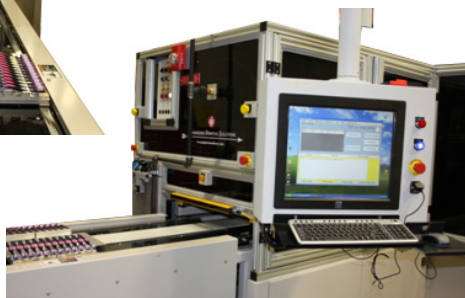
Custom Conveyors

Custom conveyors can be designed for many applications, including post and/or pre-treating processes for pad printing and inkjet printing. Special fixtures can be designed to hold a particular substrate through the conveyor system.



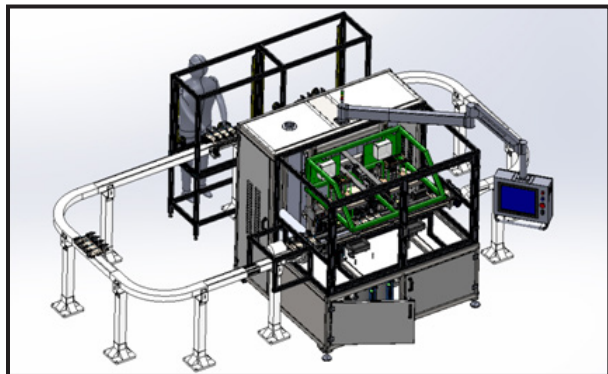
Types of conveyors

- ▶ Belt driven
- ▶ Linear
- ▶ Elliptical



▲ Conveyor/Pallet Load Systems

Load stations are added to the front end of the conveyor to allow hand feeding of parts on pallets/boats. Parts will index and pause between pre-treat, print and cure operations. Parts can be automatically removed on the other end. The fixtures/pallets return via an over/under conveyor to the load station.



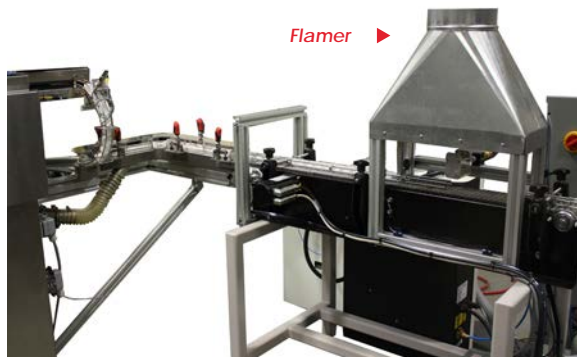
▲ Flexlink Type Conveyors

Standard conveyor systems can be paired with flexlink type conveyors to allow loading and unloading, along with secondary processes of products on moving boat style fixtures. Products are automatically transitioned onto the continuously running XD070 print conveyor.

Automated Feed Systems

Custom Designed Automated Feed Systems

Engineered Printing Solutions is constantly improving our capabilities and the equipment we offer our customers -- through innovative thoughts and ideas. We invest in R&D to invent new ways of decorating with automation that will benefit our clients.

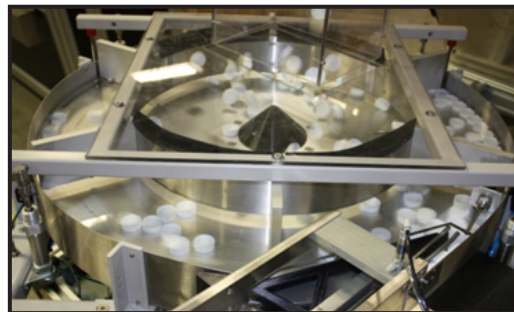


Automated Feed Systems ▲

Complete automated feed systems can be designed using bowl feeders, pick and place gantries, SCARA robots, cassette system. Pre-treatment systems such as flammers and corona units can be added to the auto feed process.



Cap Alignment Device ▲



Bowl Feeder/Accumulator ▲

We custom design bowl feeders to your product to allow the part to flow into your printing production line smoothly, efficiently, and properly oriented.

Platemaking



Rapid Fire Cliché Maker

The **Rapid Fire** plate making system uses computer-to-plate laser etching technology, eliminating the need for film, chemicals and timed exposures. Comes standard with a dedicated PC and software.



Sample laser plate ▲



▲ BR35M

Exposure & Platemaking Units

Exposure units are available in two sizes. Best suited for the immediate production of inexpensive clichés and saves time by creating the cliché in-house.

Autowash Units

For cleaning clichés, cups and other accessories before or after printing. Three washers are available.

- ▶ Constructed of stainless steel
- ▶ Pneumatically operated to ensure total safety.

SUPERWASH/MINIWASH

Units are equipped with a pneumatic timer, pressure regulator and filter to guarantee quick and efficient cleaning.



Additional Products



▲ DP1000

Conveyor Dryer

A combination radiant heat and air, this dryer conveys printed parts through a chamber for post-treatment. The conveyor belt is 13" wide with a 6" clearance inside the chamber. Equipped with adjustable heat shields and a belt speed control dial.

Infrared MT3/MT6

The ideal solution for the polymerization and drying of all inks on pad and/or silk screen printed surfaces.



▲ MT3

MT3 and MT6

drying process uses infrared ray and ventilated air (together or separately). The oven is temperature controlled via a digital thermostat.

Pre-Treatment Flammers

Available as a stand-alone or in-line solution.

- ▶ Fully adjustable to accommodate small to medium sized parts.
- ▶ Standard flamer nozzle stroke is 14 inches.
- ▶ Controls can adjust flame intensity, gas/air mixture, extend/retract speeds of nozzle and height.

Corona

Pre-treatment for PP-PE plastics and similar surfaces. Uses a plasma discharge, eliminating the problems associated with open flame, heat generation and combustible by-products.

