

Technical Bulletin

The Cyclone HT

United Silicone's new Cyclone HT™ High Speed Heat Transfer Application System applies full color heat transfer labels to round and single side oval injection/blow molded containers. The Cyclone's servo driven application technology coupled with a continuous rotary turret system allows for maximum decorating performance. Various container heights and diameters can be decorated. Photographic quality Therimage® heat transfer labels in roll format allow for simple graphics changeover. Consistent decoration container to container can be achieved with the System's precise electronic label positioning features.



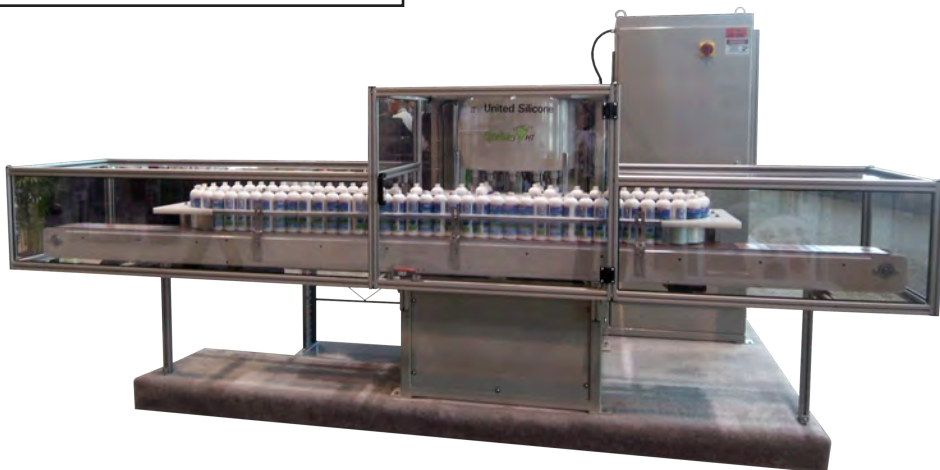
Cyclone HT™ Features:

- Speed*:** Rounds, Up to 120 Containers/Minute, Full Coverage
Single Side Ovals, 250+ Containers/Minute
Continuous Motion Decorating
**Speed dependent on container size and label length*
- Container Shape:** Rounds, Single Side Ovals
- Container Sizes:** Diameters of 1.5" to 6.75"
- Container Type:** HDPE, PET, PP and Similar Materials
Blow Molded and Injection Molded (Other containers can be evaluated)
- Label Sizes:** Up to 18" L x 8" H
- Label Type:** Runs No-Flame or Flame Labels (manufacturer dependent)
- Label Style:** Roll Format: Up to 7 Color Artwork (process and line colors)
(manufacturer dependent)
- Treatment Options:** Pre and Post Treat Flaming (option)
- Orientation Capabilities:** Containers Located for Precise Decoration
- Tolerances of Label Placement:**
 - Precise Label Positioning and Repeatability
 - Approx. +/- 1/16th of an inch
 - Graphic Stretch Capabilities: Label Adjustments for Container Inconsistencies
- Flexibility:** In-line Capabilities: At Molder, Filler or Both
- Control Panel:** Allen Bradley Microprocessor with VPN Modem Interface
Easy to Use Touch Screen
- Design:** Modular Decorating Head Platform
 - Single Head Servo Controlled with Angle Adjustment
 - Turret Re-tooling Capabilities: For Various Container Sizes
 - Turret Change-out Capabilities: For Various Container Styles/Sizes
 - Small Footprint (120"L x 80"W x 80"H) to Minimize Floorspace in Plant



Heat Transfer Labels:

- Brilliant, Multi-Colored Graphics
- Provide a "No-Label Look" On Containers
- Gravure Printed Quality
- Photographic Resolution
- Pearlescent Effects
- Frosted Effects
- Permanent, Safe Decoration
- Moisture & Chemical Resistant
- Durable
- Dry Process (No Wet Inks/Screens)
- Passes Oral Toxicity Test
- Environmentally Friendly 
- Labels Recyclable With Containers



 **United Silicone**

DESIGNERS AND MANUFACTURERS OF HOT STAMP AND HEAT TRANSFER DECORATING SYSTEMS AND SUPPLIES

Vertical, Roll-on and Peripheral Machines
Automated Systems • Close Tolerance Machines • In-Mold Feed Systems
Metal Dies • Custom Tooling • Silicone Rubber Sheets, Dies and Rollers
Contract Manufacturing • R & D • Custom Engineering & Design

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DIMENSIONS:

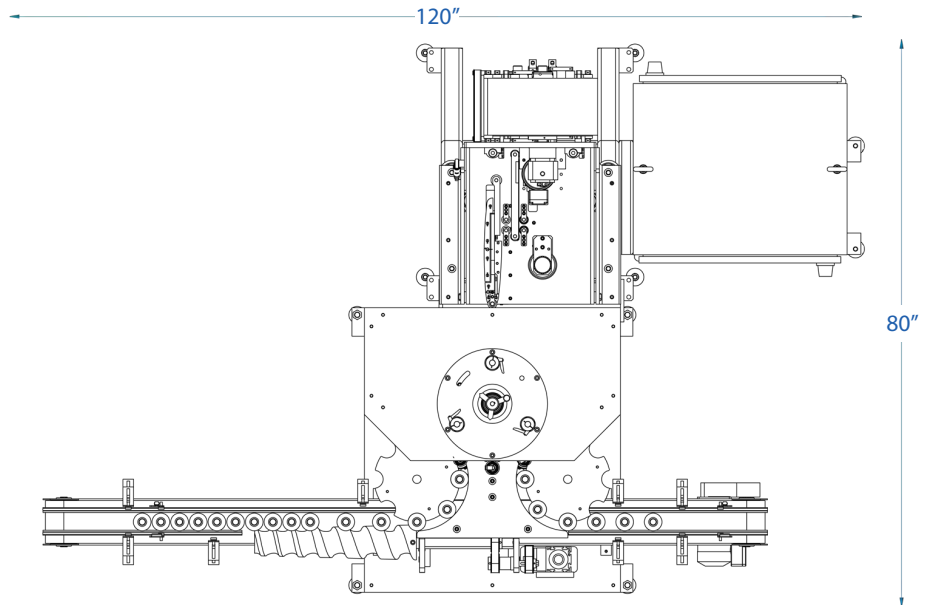
Footprint: (120" L x 80" W x 80" H)

Electrical: 220 Volts, 3 Phase, 60 Amps

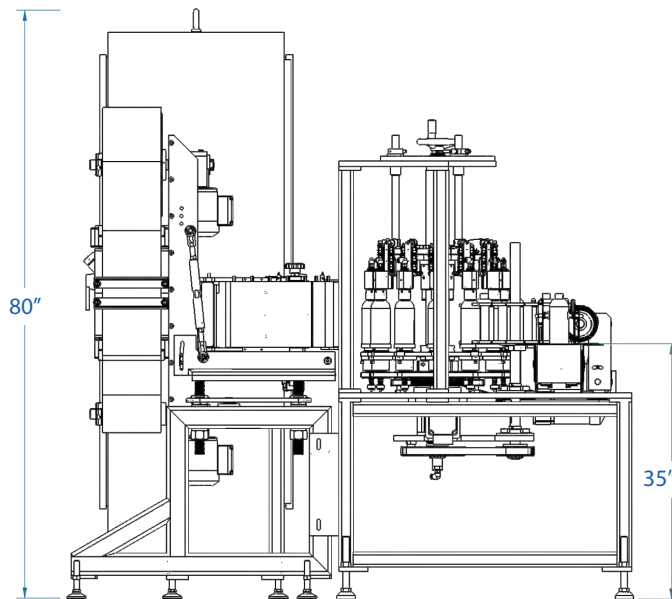
Air: 100 PSI (moisture free), 5 CFM

Cooling fluid required

TOP VIEW



SIDE VIEW



In keeping with its policy of continuous product improvement, United Silicone, Inc. reserves the right to discontinue or change specifications, designs, materials and equipment without notice or obligation, consistent with sound engineering principles and modern practices.

FOR MORE INFORMATION CONTACT:

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