

# Technical Bulletin



## Transgrafix HT

For Decorating Cylindrical Parts up to 360 Degrees

United Silicone's vertical roll-on heat transfer decorating machines provide advanced capabilities for reduced setup time, high reliability, efficiency, smooth and quiet operation, and simplified troubleshooting. All machines feature stable, consistent head travel and smooth heat transfer advance for optimum quality from job-to-job.

### Advanced Control System

- Job storage capabilities
- Advanced diagnostics
- Digital control of temperature and time parameters
- Touch Screen HMI

### Stable Head Control

- Head guide system for accurate positioning throughout the head stroke
- Safe, quiet, smooth cycling
- Convenient, accurate stroke length adjustment for rapid setup
- Front panel speed controls to set ideal head travel speeds, stamping pressure, and heat transfer stripping condition

### Precision Heat Transfer Web Advance

- Stepper motor with constant torque
- Electronic web offset adjustment
- Accurate, repeatable transfer placement

As your one source for decorating equipment, tooling and accessories, United Silicone delivers turnkey hot stamp and heat transfer systems designed for your specifications. We also offer the industry's most complete line of tooling and supplies to optimize the performance of your decorating equipment.



**ITW** 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  
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## OPERATING FEATURES

**An advanced control system** specifically designed and optimized for heat transfer applications. The PLC-based control unit provides reliability over all functions and has machine setting memory for temperature and time parameters. It also has the flexibility for expansion and customization. Side-mounted operator controls with touch screen display offer operator convenience displaying machine settings, status and diagnostic messages. Featured are digital controls of stamping temperature with overheat set-point protection, dwell time and accurate eyemark detection for transfer placement. Also provided are transfer “pull” delay and digital parts counter with reset as well as set-up and head-up delay selectors.

**Fast, accurate head height coarse adjustment.**

**Vernier fine adjustment and positive stop** on a double-acting pneumatic cylinder allows precise control of stroke length and accurate stamping force. The *Transgrafix HT* head guide system consisting of large diameter cylinder rods and guide shafts ensures stability throughout head travel.

**Front panel head-speed flow controls** permit convenient adjustment of up and down head travel speeds, cycle times, stamping and foil stripping conditions.

**Pre-drilled and tapped anodized aluminum work table** provides a stable setup platform and convenient fixture mounting.

**Precision web advance system** driven by a stepper motor produces constant torque for smooth advance and reliable control

- **Adjustable guides** maintain accurate foil positioning in relation to decorating surface.
- **Quick-release takeup shaft** facilitates rapid roll changeover.

## CONSTRUCTION

Rugged, steel weldment frame provides high stamping repeatability. All machined components are coated for long-term protection. Coatings include paint, nickel plating, and anodizing. *Transgrafix HT* is supplied with a rugged steel machine stand with solid top and leveling feet providing a sturdy mounting platform.

## SPECIFICATIONS

### TRANSGRAFIX HT

Maximum Stamping Force (Tons):	1
<b>A-</b> Head Stroke (Inches):	0-3
Roller Size (Inches):	4" diam. X 6" lg
<b>B-</b> Work Table Height (Inches):	39-43
<b>C-</b> Working Height (Inches):	0-12
<b>D-</b> Throat Depth (Inches):	8
<b>E-</b> Approximate Dimensions (Inches):	44 High
<b>F-</b> Width(Inches):	40 Wide
<b>G-</b> Depth (Inches):	30 Deep
Electrical Requirement (Volts):	220
Air Requirement (CFM):	3
Air Requirement (PSI):	50-100
Working Pressure (PSI):	10-100
Stand Dimensions (Inches):	30x30x30
Net Weight (Pounds):	800

