

## Models US10 & US25

The machine's small-area hot stamp and 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 foil advance for optimum stamping quality from job to job.

### Advanced Control System

- Job storage capabilities
- Advanced diagnostic capabilities
- Digital control of temperature and time parameters
- Graphics screen on operator control interface

### Stable Head Control System

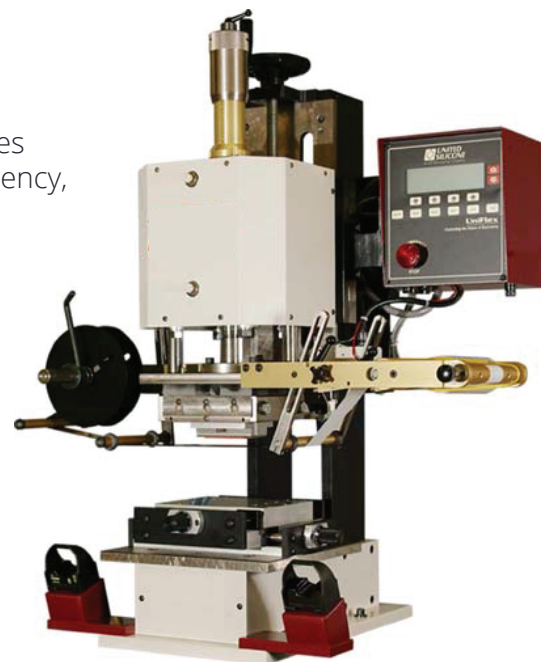
- Improved head guide system for accurate positioning throughout the head stroke
- Safe, quiet, smooth cycling
- Convenient, accurate stroke length adjustment for rapid setup
- Front panel speed controls to set ideal head travel speeds, stamping pressure, & foil stripping condition

### Precision Foil Advance

- Constant torque for smooth advance
- Optional, adjustable head-up delay regulates cooling time for optimum foil release
- Accurate, repeatable cycling for minimal foil waste

### Heat Transfer Web Advance

- Stepper Motor with constant torque
- Electronic web offset adjustment
- Accurate, repeatable cycling for minimal foil waste



**Model US 10**

(shown with optional XY table)

- 1-ton maximum stamping force
- Standard head sizes:
  - 6"x6"
  - 6"x8"



**Model US 25**

shown with optional slide table)

- 2 1/2-ton maximum stamping force
- Standard head sizes:
  - 8" x 8"
  - 8" x 16"

# Operating Features

**An advanced control system** specifically optimized for hot stamp & heat transfer applications. The control unit provides reliability over all functions and has machine setting memory for all temperatures & time parameters. It has flexibility for expansion & customization. Side-mounted operator controls with membrane switch panel & graphics screen display show machine settings, machine status & diagnostic messages. Features digital control of stamping temperature with overheat setpoint protection, dwell time, foil pull time & resistance to electro-magnetic interference. Also provided is a before/after foil pull selector, digital parts counter with reset, a set-up selector & optional head-up delay selector.

**Vernier fine adjustment and positive stop** allows precise control of stroke length & accurate stamping force. The US10 head guide system, consisting of large diameter cylinder rods & guide shafts, ensures stability throughout head travel. The US25 utilizes four guide shafts operating in linear bushings for accurate control of the machine's stamp head.

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

**Fast, accurate head height coarse adjustment**

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

**Quick-change die holder with adjustable stops** ensures positive, repeatable die positioning.

**Precision foil and web advance system** driven by a stepper motor, produces constant torque for smooth advance, reliable control, efficient foil utilization & minimal waste. The system features:

- Adjustable foil guides and guide rings which maintain accurate foil positioning in relation to decorating surface.
- Quick-release foil takeup shaft facilitating rapid roll changeover.
- Foil tensioning arm helping to prevent wrinkling of foil.

# Construction Features

- Rugged steel frame for reliability & repeatability
- Modular design for easy adaptation to oversize parts.
- All machined components are coated for long-term protection. Coatings include paint, nickel plating, & anodizing.
- Optional rugged steel machine stand with solid top & leveling feet offers a sturdy mounting platform.

# Specifications

SPECIFICATIONS	US 10	US 25
Maximum Stamping Force (Tons):	1	2-1/2
A- Head Stroke (Inches):	0-3	0-3
B- Head Size (Inches):	6x6	8x8
	6x8	8x16
C- Working Height (Inches):	2-11.5	3-16
D- Throat Depth (Inches):	6.75	8
E- Approximate Dimensions (Inches):	40 High	49 High
F- Width(Inches):	28 Wide	34 Wide
G- Depth (Inches):	23 Deep	28 Deep
Electrical Requirement (Volts):	110/ 220	110/ 220
Air Requirement (CFM):	3	5
Air Requirement (PSI):	50-100	50-100
Working Pressure (PSI):	10-100	20-100
Net Weight (Pounds):	350	600

