

Technical Bulletin



US Model PS2500

Hot Stamping and Heat Transfer Machine

The United Silicone's PS2500 Roll-On Hot Stamping machine is used for peripheral application of heat transfer decals or decorative foils to cylindrical or tapered parts.

State-of-the-Art Controller

- Operator-friendly graphical display for rapid parameter adjustment
- Stores multiple job parameters for instant recall
- Precise digital head temperature control
- Networking capability to manage several decorating machines from a single location

Stable Head Control

- 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, and foil stripping condition
- Angular adjustments on head

Precision Foil Advance

- Constant torque for smooth advance
- Accurate, repeatable cycling for minimal foil waste



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

ITW United Silicone

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OPERATING FEATURES

Controller Area Network (CAN) Bus technology machine controller for enhanced flexibility and expandability.

Fast, accurate head height coarse adjustment is performed without the use of tools.

Vernier fine adjustment and positive stop on double-acting pneumatic cylinder allows precise control of stroke length and accurate stamping force. The PS2500 utilizes four guide rods operating in linear bushings for accurate control of the machine's stamp head.

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

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 advance system driven by a DC electric motor, produces constant torque for smooth advance, reliable control, efficient foil utilization, and minimal waste. The system features:

- **Foil tensioning arm** helps prevent wrinkling of foil.
- **Adjustable foil guides and guide rings** maintain accurate foil positioning in relation to decorating surface.
- **Quick-release foil takeup shaft** facilitates rapid changing.

CONSTRUCTION

Rugged steel frame provides high stamping repeatability, while modular design permits easy adaptation to oversize parts. All components are coated for long-term protection. Coatings include paint, nickel plating, and anodizing.

SPECIFICATIONS

Maximum Stamping Force (Tons):	2.5
A- Head Stroke (Inches):	0-3
B- Head Size (Inches):	8x8 8x12 8x16
C- Working Height (Inches):	0-16
D- Throat Depth (Inches):	8
E- Approximate Dimensions (Inches):	84 High
F- Width(Inches):	65 Wide
G- Depth (Inches):	36 Deep
Electrical Requirement (Volts):	110/ 220
Air Requirement (CFM):	5
Air Requirement (PSI):	50-100
Working Pressure (PSI):	20-100

