

Model USR8BX Roll-On Hot Stamp & Heat Transfer Equipment



The R8BX designed and manufactured at United Silicone, uses a heated roller to apply decorative foil or heat transfer decals to long, flat or slightly contoured surfaces.

Excellent for Application of Heat Transfer Decals

- Ideal for applying large heat transfers or decorative foils to large area part surfaces, configured flat or with a slight contour
- A wide range of part sizes can be accommodated
- Front -mounted operator interface
- Machine can accommodate silicone rubber rollers up to 6 inches in diameter, and from 1 to 8 inches long.

Customer Benefits:

- Constant torque for smooth advance
- Accurate, repeatable cycling for minimal transfer/foil waste
- Safe, quiet, smooth cycling
- Provides safe work environment

United Silicone, an ITW Decorating Company, specializes in the design and production of standard and custom hot stamp and heat transfer decorating machines. Our automation department offers complete capabilities from integrated applications to full turnkey systems.

United Silicone also provides a complete range of supplies including: silicone rubber dies, rollers, sheets, part holding fixtures and heat seal supplies.

Trusted Partner for Your Product Decorating Needs

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Operating Features

Ball screw roller carriage drive with variable speed DC motor guided by linear motion bearings for smooth advance and return with independent directional speed control.

Articulating arm roller head assembly is powered by a vertical acting double acting main air cylinder with veneer - calibrated positive stop for precise, measured control of roll - on force and cylinder stroke length. Lever action permits even pressure distribution on contoured parts. The assembly features include a single-speed DC motor drive for roller rotation; stainless steel roller shroud and heater box cover; non -contact thermocouple; and quick-change roller mount.

Frame-mounted WEBTRAK™ heat transfer indexer is versatile, accurate, and reliable to advance pre-printed heat transfers and can be switched to timed hot stamp foil feeding. A DC electric motor produces constant pulling torque for smooth advance and reliable control for efficient heat transfer or foil utilization.

WEBTRAK™ features two speed web advance system, micro-adjustable electric eye positioning, quick-release payout and take-up shafts. High performance micro - processor based controller.

Interlocked safety guarding on three sides and light curtain guarding across the front for operator safety during machine operation. Light curtain beam penetration shuts down all system functions while permitting unobstructed access to the machine front.

Front mounted operator interface terminal features a key pad to provide access to the controller, in addition to decal jog control, and left or right carriage jog. All are optimally designed to facilitate setup and job changes.

Construction Features

Rugged steel machine frame for reliability and repeatability

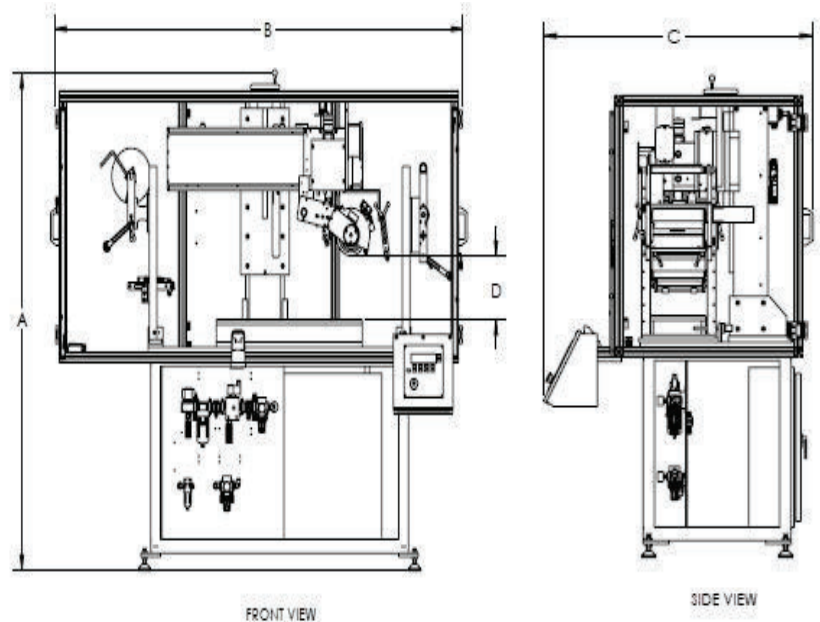
Machine components, available painted, chrome plated, black oxide coated, and anodized, providing long - term corrosion protection

Machine base with solid top and leveling feet offers a sturdy base and independent leveling adjustment on all four corners.

Specifications

Roller Carriage Lateral Travel (Inches)	24
Head Stroke (Inches)	0-2
Roller Climb (Inches)	0-.5
Roller Diameter (Inches)	6
Roller Length (Inches)	1-8
A- Approximate Dimensions Height (Inches)	72 High
B- Approximate Dimensions Width (Inches)	84 Wide
C- Approximate Dimensions Depth (Inches)	47 Deep
D- Working Height Under Roller (Inches)	0-14
Electrical Requirements (Volts)	230 1 Phase
Air Requirements (CFM)	3
Air Requirements (PSI)	100
Net Weight (Pounds)	1000

*Optional Auxiliaries – Rotary Index Tables, Pneumatic Slide Tables, X-Y or X-Y-R Positioning Tables



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