



Heat Transfer Systems

## C-100 Semi and Fully Automatic Heat Transfer Systems

GOLDSTAR®  
USA AMERICA



**Goldstar's Century 100 Heat Transfer Label machines** for decorating cylindrical parts are designed to enhance product presentation and streamline labeling processes. Constructed with a sturdy, industrial-grade frame, these machines ensure stability and durability, capable of withstanding the rigors of high-volume production environments.

**Equipped** with a user-friendly control panel, operators can effortlessly set parameters such as speed, label size, and temperature, allowing for precise customization based on specific labeling requirements.

**The designs feature** efficient feeding systems that accommodate a wide range of cylindrical objects, including bottles, jars, and tubes, making it versatile for various industries such as food and beverage, cosmetics, and pharmaceuticals.

**The adjustable labeling head** ensures accurate alignment and placement of labels. One of the standout features of this machine is its ability to handle a variety of thermal transfer ribbons, which come in various colors and finishes. This capability allows for a multitude of designs, including barcodes, logos, and promotional messages, enhancing brand visibility and compliance with labeling regulations.

With Goldstar Century 100 thermal heat transfer label machines, **safety is paramount**; the machines include emergency stop buttons and protective covers to ensure operator security during operation. Additionally, their **compact design** allows them to fit seamlessly into existing production lines, optimizing workflow without occupying excessive space.

| MODEL                | SEMI-AUTOMATIC                          | FULLY AUTOMATIC                              |
|----------------------|---|--|
| Mode of Feeding      | Semi-Automatic                          | Automatic on mandrel                         |
| Min. - Max. Diameter | Ø 20mm x Ø 100mm                        | Ø 30mm x Ø 100mm                             |
| Min. - Max. Height   | 50mm x 150mm max.                       | 50mm x 150mm max.                            |
| Air Consumption      | 4/6 Kg/cm <sup>2</sup> with dry air     | 6/8 Kg/cm <sup>2</sup> with dry air          |
| Power Consumption    | 4 KW / 3 phase                          | 6 KW 230V AC                                 |
| Machine Dimensions   | 1,200mm (L) x 1,600mm (W) x 1,200mm (H) | 1,900mm (L) x 1,200mm (W) x 1,800mm (H)      |
| Machine Speed        | 500-600 per hour                        | 1,800-2,200 ppm (semi-auto)<br>60 ppm (auto) |

### Features - *Semi-Automatic*

- Fully adjustable work table
- Suitable for flat, cylindrical and conical parts
- Semi-automatic operation
- Mechanical clutch for controlling foil movement
- Heater chamber can swing away from silicon roller, helps to increase life and prevent damage

### Features - *Fully Automatic*

- 8-station indexer with brake motor for positive stop at printing position
- Machine equipped with PLC based system and HMI interface
- Auto loading and unloading of container
- Vertical label adjustment for positive, accurate movement in gravitational direction
- Individual variable frequency drive for silicon roller helps control speed for different foils
- Special provisions incorporated to avoid damage to silicon roller in event of power failure
- Individual motor provided for orientation spinning device
- Fully adjustable indexing head to accommodate a wide range of different parts
- Taper adjustment up to 6° angle.

## C-350 Semi and Fully Automatic Heat Transfer Systems

Goldstar's C-350 Thermal Transfer Label Applicator Models are specifically designed to handle a broad range of the larger cylindrical and conical shaped containers **from 1 litre to 20 litres (0.26 to 5.28 US gallons).**

### C-350 Semi Automatic Heat Label Applicator

Designed particularly to handle and apply a broad range of heat transfer labels, this machine is easily adjustable for **different** configurations and can be automated by addition of an auto-loading conveyor (optional).

#### Features

- Adjustable work table
- PLC Based Control System
- Mechanical clutch system for Foil Movement
- Auto positioning of container
- Auto Loading with loading conveyor (option)
- Vertical foil movement for positive, more accurate movement of foil toward gravitational direction
- Variable frequency drive helps to control speed of Silicon Roller to suit foil
- Heater chamber can swing away from Silicon Rubber Roller (increases life by minimizing roller damage in case of power failure)

### C-350 Fully Automatic Heat Label Applicator

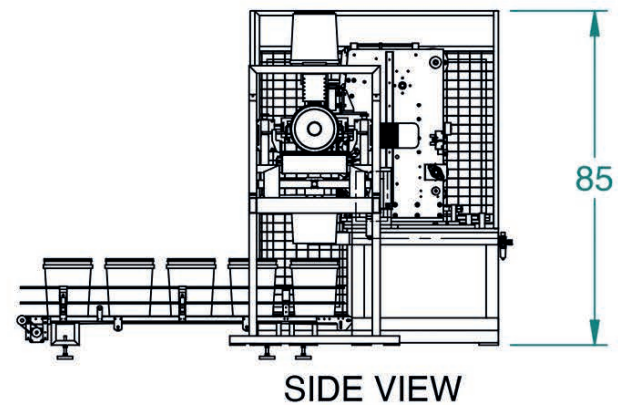
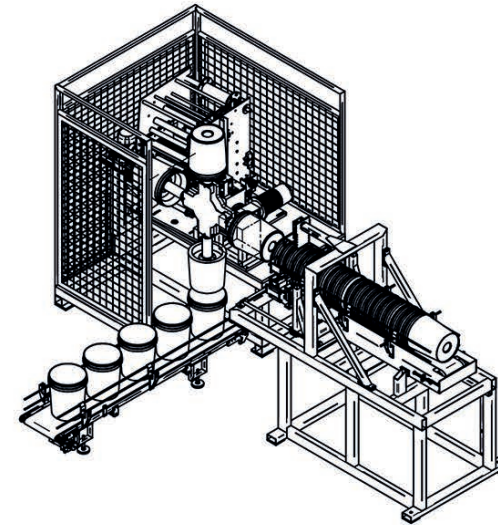
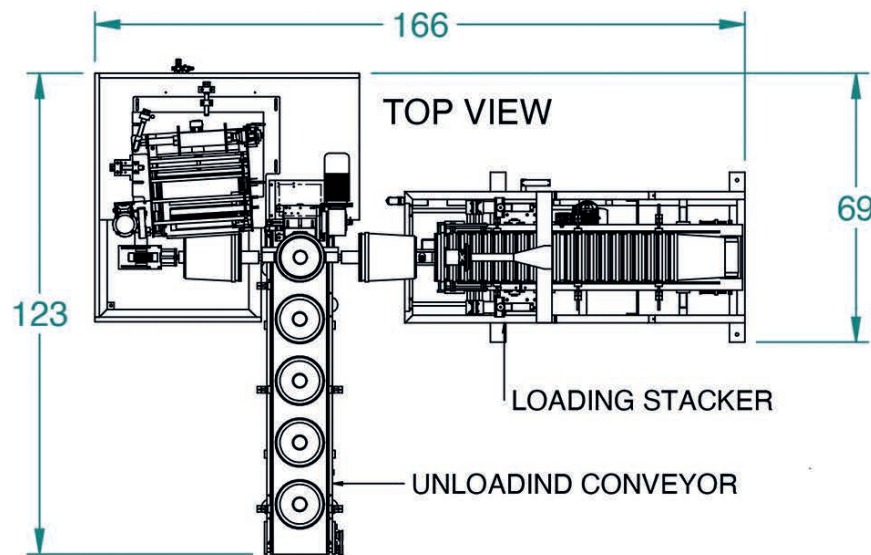
This model comes with full automatic loading and unloading, and like the C-350 semi-auto, also handles and applies an extensive range of heat transfer labels, easily adjustable for **different** configurations.

#### Features

- 4 station indexer with brake motor for positive stop at printing position
- Machine fully equipped with PLC based system with HMI interface
- Auto with inline orientation of container
- Auto loading and unloading of container
- Vertical foil movement for positive, accurate foil movement in gravitational direction
- Individual variable frequency drive which helps to control speed of the silicon roller according to foil
- Special provision is made to avoid damage of silicon roller in case of power failure
- Individual motor provided for orientation spinning device
- Forward, backward, angular and lateral movement provisions provided on indexing head help to accommodate a wide range of containers
- Taper adjustment for up to 6 degree angle included

| MODEL                | SEMI-AUTOMATIC                          | FULLY AUTOMATIC   |
|----------------------|---|---|
| Mode of Feeding      | Semi-Automatic                          | Automatic on mandrel  |
| Min. - Max. Diameter | Ø 100mm x Ø 350mm                       | Ø 100mm x Ø 350mm   |
| Min. - Max. Height   | 100mm x 350mm max.                      | 100mm x 400mm max.  |
| Air Consumption      | 4/6 Kg/cm <sup>2</sup> with dry air     | 6/8 Kg/cm <sup>2</sup> with dry air                                     |
| Power Consumption    | 5 KW / 3 phase                          | 7.5 KW / 3 phase  |
| Container            | -                                       | Cylindrical and conical container                                       |
| Max. Taper Container | -                                       | Taper 6 degrees   |
| Machine Dimensions   | 1,600mm (L) x 1,500mm (W) x 1,200mm (H) | -   |
| Machine Speed        | 150-170 per hour (20 ltr. bucket)       | 800 per hour for 4 ltr. container<br>250 per hour for 20 ltr. container |





Dimensions are shown in inches

## GOLDSTAR AMERICA

1903 Case Parkway, Twinsburg,  
44807 OH, USA

Tel: +1 330 405 1581  
Email: [sales@goldstarprinters.com](mailto:sales@goldstarprinters.com)

[www.goldstarprinters.com](http://www.goldstarprinters.com)