

Doboy GS-1000 Series Double Fold Glue Sealers.

HIGH SPEED BAG GLUER FOR CONTINUOUS FLOW-THROUGH OPERATION.

APPLICATIONS

The GS-1000 Series Glue Sealers are designed for durability and intended for high-speed, 3-shift per day operation. By creating two 3/4" (19mm) folds, a strong, sift-proof closure is created that is easy for the end user to open. The **GS-1000**, intended for use with lined bags, features an added seal section with cast iron heat bars to seal the inner poly liner prior to folding, while the **GS-1000S** is for bags without a liner that only need to be glued and folded.

SMOOTH CONTINUOUS SEALING OPERATION

1. Bag top is trimmed
2. Bag is creased 3/4" from the top of the bag
3. Bag top is folded down 90 degrees at the crease
4. The bag is creased again 3/4" from the top of the first fold
5. Glue is applied as the bag enters into the folding mechanism to be folded for the second time
6. The bag is transported through the 40" compression section

ROTARY TRIMMER

Standard on the GS-1000 Series models is a rotary trimmer equipped with special twin blades for consistent bag top trimming. With a cast housing providing precision alignment, each bag top is trimmed prior to entering the first creaser.

SHARP, CRISP FOLDS

To assist in the folding process the bag is scored by creasers before entering through our patented jam-proof folder mechanism, which provides precision fold quality for straight and even folded bag tops. The unique design of the jam-proof folder allows unevenly fed or damaged bags to pass through the machine without jamming. The folder is spring-loaded with hinges for easy access maintenance or bag adjustments.

GLUE APPLICATION

Dual-axis glue gun mount allows for the precise adjustment of the glue nozzles, allowing for accurate placement of the adhesive and strong, reliable seals.

COMPRESSION SECTION

The compression section applies consistent pressure to the fold ensuring a strong, quality seal and can be adjusted for varying bag thicknesses.

Benefits

- ❑ Durable design intended for 3 shift per day operation
- ❑ Consumer friendly closure double fold, sift-proof seal that is easy for the end user to open
- ❑ Less downtime with the jam-proof folder mechanism allowing for unevenly fed
- ❑ Infestation-proof for product protection



Packaging Line Structure.

| Product Handling | | | Primary Packaging | | | Secondary Packaging | | |
|------------------|--------------|---------|-------------------|------------------|-------------|---------------------|---------|---------|
| Pick & Place | Distribution | Feeding | Flow Wrapping | Vertical Bagging | Bag Sealing | Forming | Closing | Loading |

GS-1000 Series

Features

- Special flat face chains grip the bag for firm, positive control as it is carried through the machine
- Sealed roller bearings provide smooth operation for long life and low maintenance
- Variable speed drive allows speed to be adjusted up to 100' (30m) per minute

Additional Options

- Casters for easy mobility
- Transformer for 460 Volt power
- Nordson hot melt applicator, tank, hose, gun and mount
- Stainless steel carrier chain
- Reverse fold (standard fold is away from operator)
- Lamda self-lubricating chain for less maintenance



Folder mechanism and glue unit.

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Technical Specifications

| Machine Specifications | GS-1000S | GS-1000 |
|-------------------------|---------------------------------------|----------------------------|
| Length | 3835mm (151") | 4877mm (192") |
| Width | 1137mm (44.75") | 1137mm (44.75") |
| Height | 2185mm (86") | 2185mm (86") |
| Height Range | 890-2007mm (35-79") | 890-2007mm (35-79") |
| Heat Bars | None | 1 pair cast iron |
| Production Speed | Up to 30m (100') per minute | Up to 18m (60') per minute |
| Product Specifications* | GS-1000S | GS-1000 |
| Bag Style | Gusseted, multi-wall | Inner liner seal |
| Bag Weight | 1.3 - 9kg (3 - 20lbs) | |
| Bag Width | 89 - 381mm (3.5 - 15") | |
| Fold Width | 19mm (.75") | |
| Glue Type | Hot melt | |
| Glue Applicator | Nordson or Valco, others upon request | |

Utility Requirements

| | |
|------------|-------------------------|
| Electrical | 440-220V / 60 Hz / 3 ph |
| Air | 2 cfm @ 80PSI |

*Products outside of these specifications may be packaged with machine modifications.

GS-1000S Layout

