

Hot Stamping Bag Fixture

by AFM Engineering, Inc.

The Hot Stamping Bag Fixture is designed to foil stamp shopping bags of variable sizes after the bags are made. This system consists of the following two components:

- The Raising and Lowering Arm
- The Bag Support Fixture

This unique method of hot stamping bags allows the bag to be imprinted unfolded. This means there will be only one thickness of paper under the print head. Make-ready is fast and easy. When the fixture is down it rests on the machine base. This enables the operator to use the full pressure (15 tons) without fixture flex. This also makes it possible to hot stamp bold, large coverage areas on both coated and uncoated bag material.

Setting up for different size bags can be done very easily. Because of the "Erector set" design, fixture components can be changed to accommodate various bag heights and widths. It is also possible to have individual fixtures for the more common bag sizes. A complete fixture can be changed in five minutes or less.

It's as simple as one, two, three.

1. Operator loads the bag on the raised fixture.
2. Operator cycles the hot stamp machine.
3. Operator removes the printed bag.

When the operator cycles the machine the following sequence automatically occurs:

1. The Bag Fixture lowers.
2. The Hot Stamp Head moves down and prints.
3. The Hot Stamp Head returns to the up position.
4. The Bag Fixture raises to the home position.

The Bag Support Fixture is designed like an "Erector Set" and consists of the following:

1. Delrin Feet
2. Base Plate
3. Uprights
4. Top Plate



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