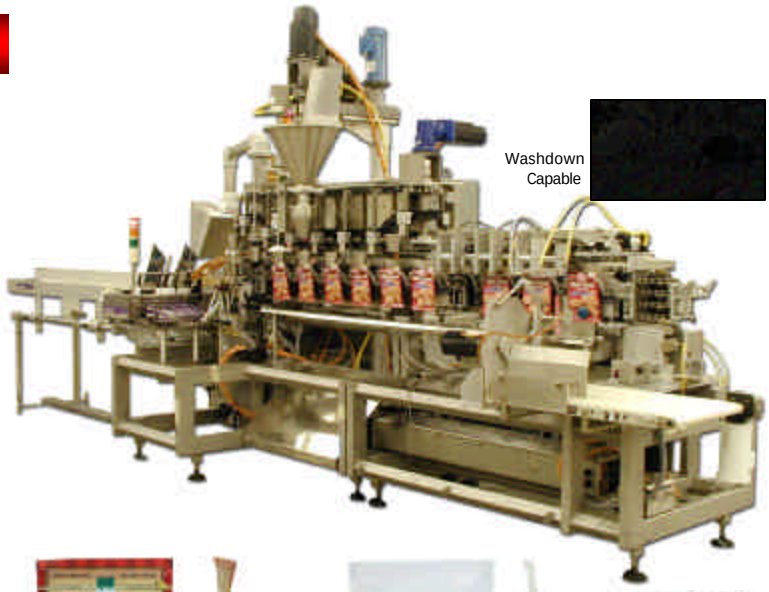
Bartelt®
IM Fill and Seal Machine

IM Series

The Bartelt® IM Fill and Seal Machine is a servo-driven, intermittent motion machine that transfers pre-made bags or pouches from a magazine feeder, places them within leading and trailing clamps, opens the pouches, fills and seals them.



Machine Benefits

- Double bag clamps for positive pouch control
- Immediate push-button changeover
- Simple to use, menu selectable size “recipes”
- Accommodates wide range of pouch sizes, film weights, and pouch styles including:
  - Die-cut and shaped pouches
  - 3 and 4-side seal fin pouches
  - Delta-Pac stand up pouches
  - Bottom gusset pouches
  - Side gusset pouches
- Ability to add slider or press-to-close zipper
- Speeds of up to 100 pouches per minute (product dependant)
- Multiple fill capabilities
- Filler interfaces: augers, volumetric, scale, and liquid
- Clean design, fall through, wash down capability
- Open pouch detection to reduce scrap
- Reject capability prior to top sealing to reduce waste
- Superior seal integrity through touch screen control of pressure, time, and temperature
- Fill and seal pouches of light gauge films
- Small machine footprint
- Conveyor for convenient pouch loading and buffer during high cycle rates

Automatic Filling and Sealing Benefits

- Reduces labor costs
- Increases output efficiency
- Logistics efficiency: separate bag making from filling and sealing

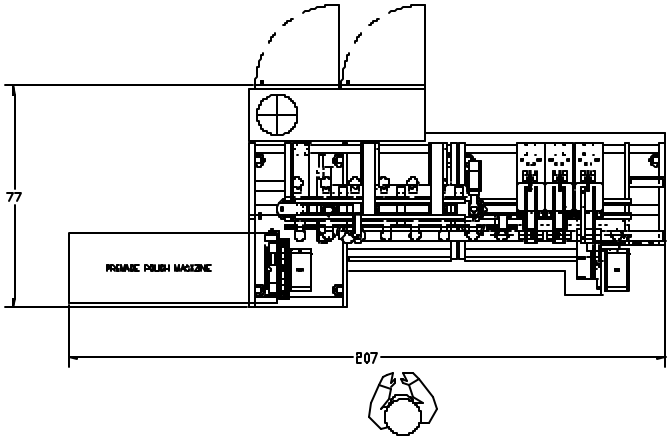
Pre-Made Benefits

- Minimum changeover
- Inexpensive way to get new products to market
- Cost-effective for small runs
- Ability to run bags with unique die-cut shapes
- Make generic pouches for branding later

Standard Features In Base Machine

- Heavy duty, stainless steel, modular, metric construction
- Allen-Bradley PLC
- Pendant-mounted, color touch screen with “recipe” storage capability
- Pre-made pouch magazine and feeder (adjustable)
- One tooling “nest” for pouch placement
- Servo-driven transfer system for high speed pick and place
- Double bag clamps with pneumatic openers
- Servo-driven vacuum openers
- Servo-driven diving funnel at vacuum open station to maximize fill opening
- Servo-driven traveling funnel conveyor to maintain pouch control and increase fill time
- Three fill stations
- Adjustable product support floor for heavy fills
- Reject system separate from discharge
- Top seal station
- Servo-driven pick-off
- Full-color touch screen operator interface
- Transparent, interlocked safety guarding
- One set of equipment documentation

Specifications



Pouch Dimensions	
Min.	3” x 3” 77 x 77mm
Max.	7.75 x 14” x 4” 196 x 355 x 101mm

(Change parts may be necessary.)

Power: 460V, 60 Hz, 3-phase

Pouch Materials: Most heat sealable films

Control: 24 VDC

Air: 80 psi

Materials and Finishes:
Frame: Stainless steel tubing
All other parts are stainless steel, industrial plastics, or anodized aluminum

Options

- Compact and portable water chiller
- Discharge conveyor
- Top seal pre-heat and cool
- Moving product support floor for heavy fills
- Single or multiple fill depositors with removal of funnel system
- Inkjet coding of pouches
- Hole punch in top seal
- Overweight reject system
- Product settler
- Pouch deflation
- Gas flush system
- Top seal cleaner
- Bartelt® fillers
  - ES Servo Auger
  - Vibratory Rotary Cutoff
  - Volumetric Sliding Gate
  - Volumetric 6-Cup
- Liquid pumps, scales, and other fillers
- Dust collection provisions
- Oxygen scavenger or desiccant feeder
- Additional sets of manuals
- CE, UL, CSA, USDA Compliance