



ATLAS

The Snack Food Bagmaker

High Performance

High Speed



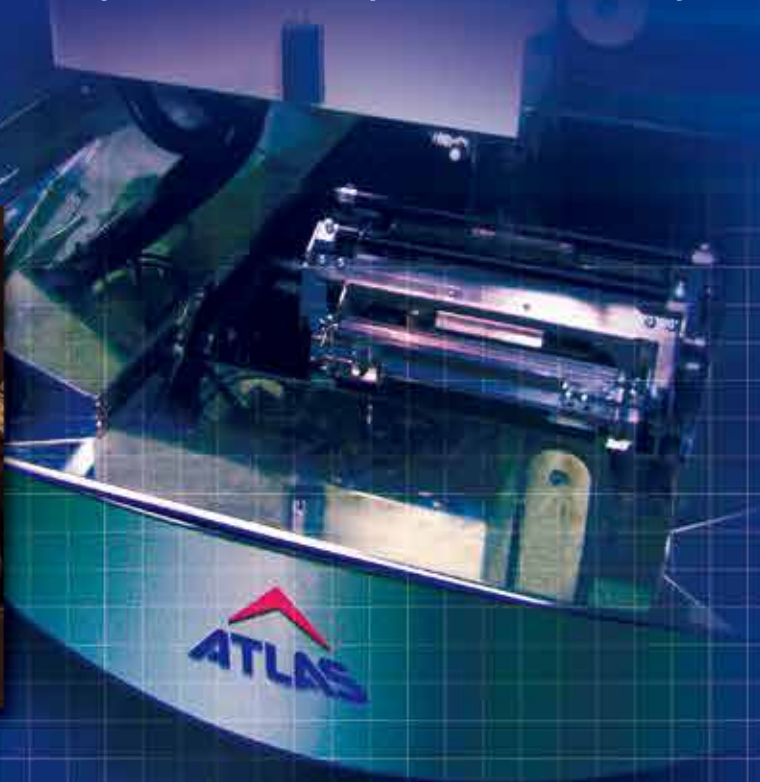
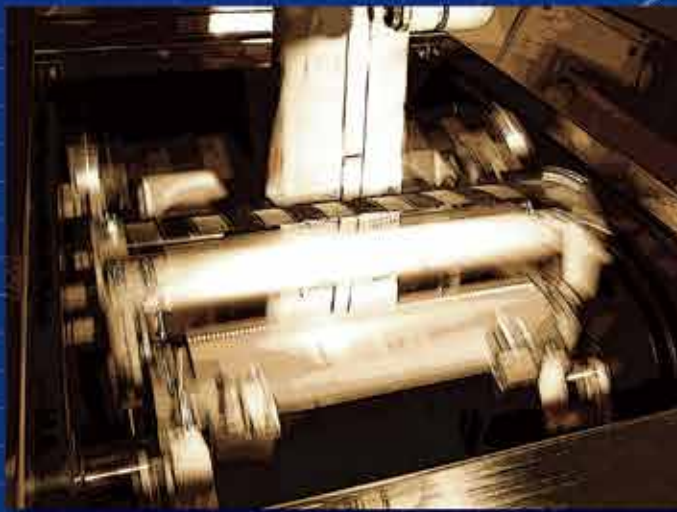
Speedy

250 **BPM**

Efficient Snack Food Packaging At Dramatically High Speeds

Ishida's ultra high-speed and reliable snack food bagmakers create quality bags, reduce product and film waste, and provide seamless integration with weighers and a wide range of ancillary packaging devices.

Atlas' innovative rotary jaw motion and superior control technology enable packaging speeds up to 250 bpm with unbeatable performance and production efficiency.



High-speed Rotary Jaw Motion

Ishida's exclusive sealing jaw design supports continuous motion packaging at 250 bpm with accurate film registration and tight bag seals.



Direct overmount configuration



Twin bagmaker configuration

High Throughput Efficiency

Designed under the ITPS Ishida Total Packaging System concept, Atlas bagmakers support integrated operation with Ishida multihead weighers, maximizing line capacity.

System integration is available in either a single scale/bagger direct overmount configuration or a twin configuration, enabling optimum weighing and packaging productivity in limited floor space.

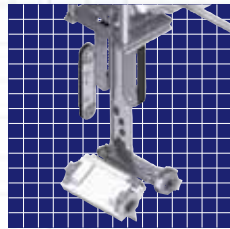


Reliable

High Productivity with Minimum Loss

Atlas bagmakers feature exclusive control technology in the sealing jaws and film feeding/product charging processes, maximizing productivity, and minimizing raw material waste, film loss, and downtime for film changes.

Sealing



Innovative seal unit creates tight seals

• Uniform backseals without wrinkles

The backseal unit with a hot steel belt runs synchronized to the film, creating quality vertical seals without wrinkles even during high-speed packaging. Backseals are instantly cooled by an air blower, creating secure seals even on overlaps with end seals.

• Tight seals on any film

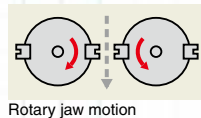
Pressure, temperature and sealing time can be easily set on the Remote Control Unit (RCU) to match the production speed and film characteristics, creating optimum seals for any film characteristics.

• Multiple jaw motion

The Atlas series has multiple types of jaw motion to meet various film characteristics.

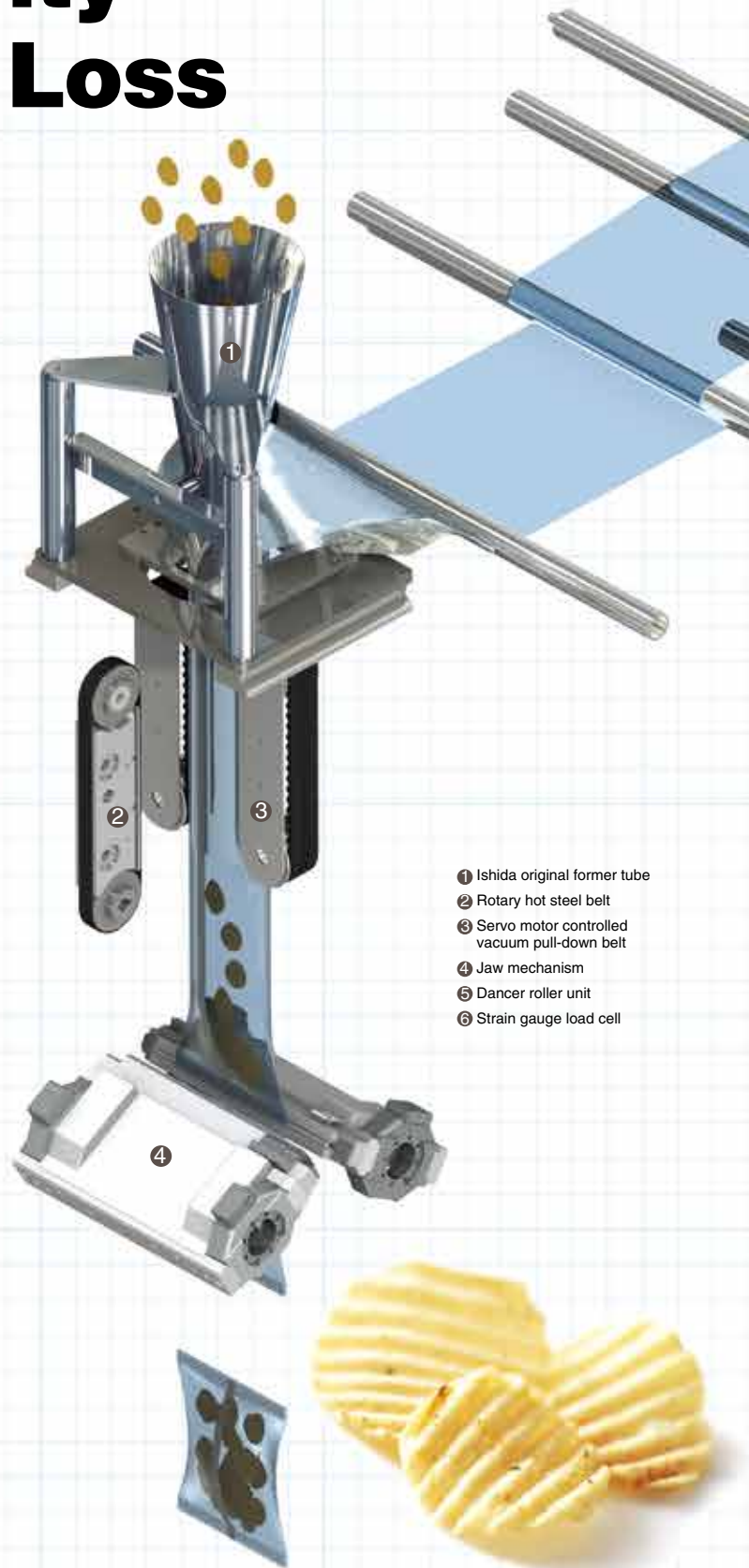
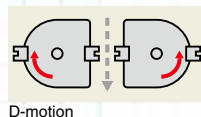
Rotary jaw motion (ATLAS-224(FC), 124(C), 114(C))

- Supports high-speed (250 bpm) packaging with continuous rotary jaw motion.
- Film is sealed by high pressure and an anvil knife, creating secure, airtight seals even for films with thin sealant layers.

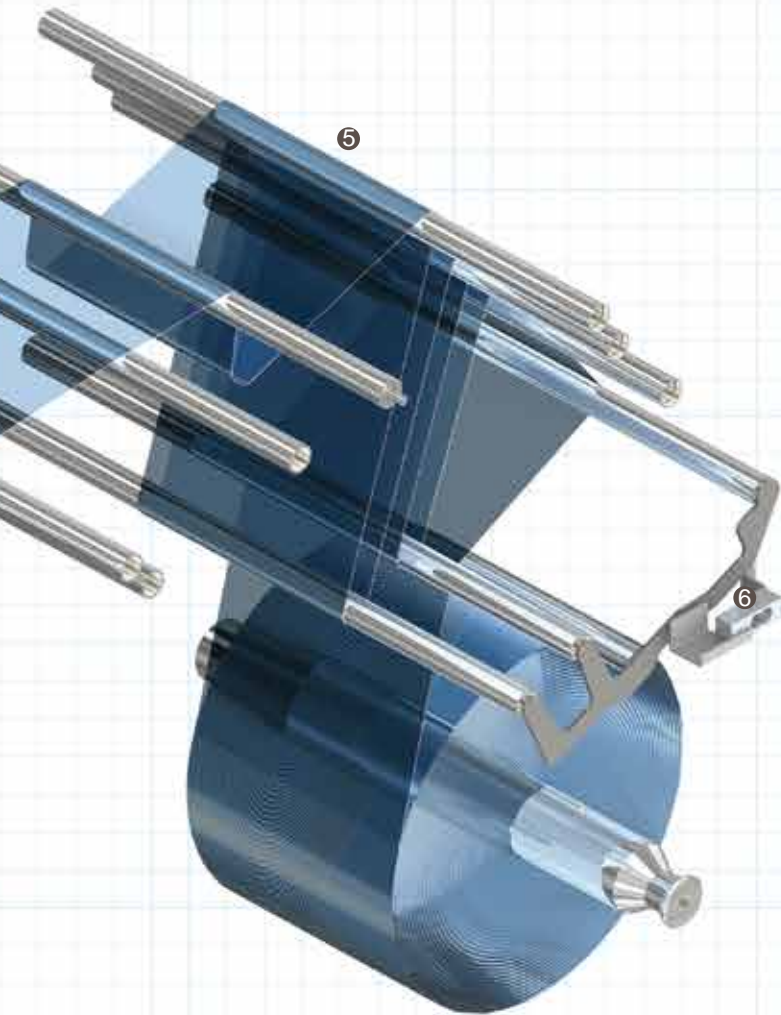


D-motion (ATLAS-204(FC), 234(FC))

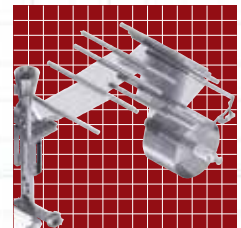
- Insures a long seal time even at the highest packaging speeds, so even thick films are tightly sealed.
- The air fill volume can be adjusted to meet bag inflation specifications.



- ① Ishida original former tube
- ② Rotary hot steel belt
- ③ Servo motor controlled vacuum pull-down belt
- ④ Jaw mechanism
- ⑤ Dancer roller unit
- ⑥ Strain gauge load cell



Film Feeding



Precise film feeding for high-speed packaging

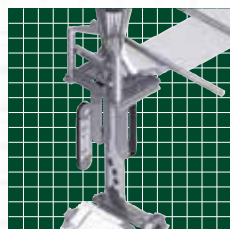
● Load cell driven film tension control

Ishida's unique load cell provides real-time detection of the load applied by the film to the dancer rolls. The load cell automatically controls the film feed rate to maintain constant film tension.

● Pull-down belt

A pull-down belt controlled by a servo motor holds the film securely, enabling precise film feeding even during high-speed operation.

Product Charge Control



Consistent product charge even during high-speed packaging

● Ishida original stripping device

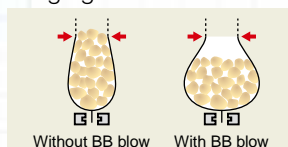
A stripping mechanism reliably strips any remaining product from the seal area, preventing product in the seals.

● Original Ishida former shape

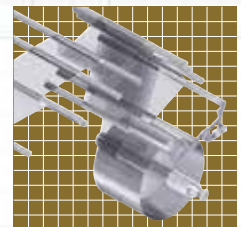
Ishida has developed an original former shape and N₂ gas flushing system that prevent product from being blown upward and insure even product charging.

● BB blow function

Inflating the bags prevents product in the seal caused by unsettled product.



Change-over



Quick changeover with minimum steps

Film Change

● Easy film splicing

When the film needs to be changed, a splicing plate suctions and secures it, making splicing fast and easy.

● Auto-splicer (option)

Enables completely automatic film changes while the machine is running, further reducing downtime.

Changeover

● Automatic film centering

When you need to change product or bag size, just enter the bag width from the RCU to have the film roll centered automatically.

● Bag length calculation

A function that automatically calculates the bag length using the regmark sensor eliminates the need for manual bag length input.

