



**BOSCH**  
Invented for life



## Woodman Apache

### Vertical Form-Fill-Seal Bagmaker Legendary Reliability with 21st Century Design

The Woodman Apache bagmaker provides outstanding ease of use, speed, and package size flexibility to the non-snack food industries: candy, nuts, crackers, cookies, cereals, and granular products.

Woodman bagmakers are known for their value, performance, dependability, and durability. We used non-proprietary, top-tier, “off-the-shelf” Allen-Bradley control components in a full servo design to lower your cost of ownership.

The cost-saving Flex-Mount welded tubular steel frame is designed to support weighers, augers and volumetric fillers, reducing the need for mezzanines. The low machine height provides greater installation flexibility.

#### **Fast, fool-proof setup with self-positioning seam seal bar**

The seam seal bar is self-positioning and sets up in seconds. This eliminates operator error and reduces changeover time and film waste.

#### **Maximum access with open frame and swing-away electrical cabinet**

The electrical cabinet swings away from the frame to allow total access to the machine interior from either side, improving sanitation and reducing maintenance downtime.

#### **Legendary durability with servo motion systems**

Servo-actuated jaw sealing system is heavy duty for longer service life and higher sealing pressure. Maintenance-free bearings and guides are all dust-tight and long-wearing.

#### **Easy operation with Insight® touchscreen HMI**

The industry-leading Insight® color graphic touchscreen HMI is intuitive and features recipe-based programming that reduces operator error and ensures consistent performance regardless of shift or operator skill. Enhanced diagnostics are standard.

#### **Increased uptime with easy film lacing and high-capacity film roll**

Dancer bars raise to create a straight-line film path, reducing changeover time. Extra-large film roll capacity and an optional film rack provide extended run time.

#### **Key Features**

- ▶ Speeds up to 120 bpm
- ▶ Strong, low-profile Flex-Mount frame
- ▶ Easy-to-use Insight® touchscreen HMI
- ▶ Open design for maximum access
- ▶ Easy 10-minute changeovers

## Packaging System Structure

Primary Packaging

Product Handling

Secondary Packaging

# Woodman Apache Vertical Form-Fill-Seal Bagmaker

## Technical Specifications

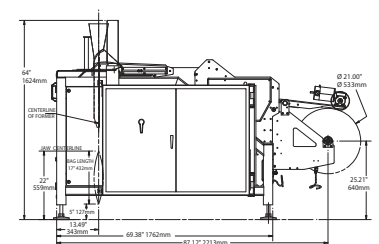
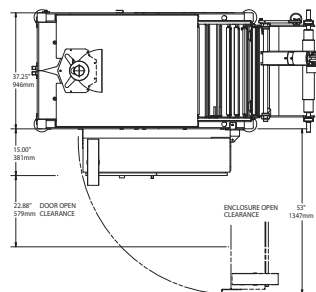
Performance		Bag Size Range	Minimum	Maximum
Production Speed	10 bpm up to 120 bpm	Width	63 mm ( 2.50")*	350 mm ( 13.75")
<b>Operating Requirements</b>		Length	76 mm ( 3.00")	559 mm ( 22.00")
Power Consumption	7 kVA	*54 mm ( 2.12"), available at extra charge		
Air ( 100 bpm )	43 liters/min ( 1.5 cfm )	<b>Bag Appearance</b>		
	4.8 bar ( 70 psi )	Bag Styles	Pillow Pouch, Gusseted, Flat-bottom	
Air at startup	708 liters/min ( 25 cfm )	Bag Seal Type	Lap Seal, Fin Seal	
Environment	10-38°C ( 50-100°F ) normal ambient	End Seal Features, Optional	Hole Punch, Notcher	
	< 90% non-condensing humidity	<b>Film Roll Dimensions</b>		
<b>Construction</b>		Film Core Inside Diameter	76 mm ( 3.00")	
Welded tubular powder-coated steel frame. Clear polycarbonate guards.		Max. Film Roll Outside Diameter	635 mm ( 25.00")	
Shipping Weight, Skidded	1245 kg ( 2744 lb )	Max. Film Roll Weight	136 kg ( 300 lb )	

## Standard Features

- ▶ Intermittent motion profile
- ▶ Open-design tubular steel Flex-Mount frame
- ▶ Servo motor-controlled film pull belts
- ▶ Powered film unwind
- ▶ Swing-away hinged electrical cabinet
- ▶ Insight® color graphic touchscreen HMI
- ▶ Comprehensive performance reporting, diagnostics and troubleshooting
- ▶ Raiseable dancer bars for easy film lacing
- ▶ High-capacity web handling (25" roll)
- ▶ Self-positioning seam seal bar
- ▶ Automatic program setup
- ▶ Instant program changeover
- ▶ Allen-Bradley machine control components
- ▶ Quick-change former assembly
- ▶ Electronic registration control
- ▶ Full safety guarding and interlocks
- ▶ Ancillary device isolated interface strip
- ▶ 110-volt convenience outlet and data port
- ▶ Maintenance-free bearings, bushings and guides

## Optional Features

- ▶ Direct-to-frame filling system support
- ▶ Stainless steel water-wash IP54 frame
- ▶ Special end-seal configurations
- ▶ Six-channel temp control with auto-tuning capacity
- ▶ Flat-bottom bag system
- ▶ Gusset tuckers
- ▶ Quick-change jaws
- ▶ Hole-punch jaws
- ▶ Perforated bag strip
- ▶ Wavy knife
- ▶ Notcher
- ▶ Promotional strip
- ▶ Cereal mods
- ▶ Automatic film tracking
- ▶ Low film alarm
- ▶ Vacuum film splice assist
- ▶ Vacuum film advance
- ▶ Integrated code-date imprinters, mounts and controls
- ▶ Programmed nitrogen flush



Bosch Packaging Technology

[boschpackaging.com](http://boschpackaging.com)

**Kliklok International** Western Drive, Hengrove Park Estate, Bristol, BS14 0AY UK +44 1275 836131 [kliklok-int.com](http://kliklok-int.com)

**Kliklok-Woodman** 5224 Snapfinger Woods Drive, Decatur, GA 30035 USA +1 770-981-5200 [kliklokwoodman.com](http://kliklokwoodman.com)