BOSCH
Invented for life

Woodman Apache CM

Vertical Form-Fill-Seal Bagmaker
Continuous Innovation to World Class Design

The Woodman Apache CM bagmaker provides outstanding speed, ease of use, 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.

Patented high-speed hypocycloidal sealing motion
The patented sealing motion is based on a hypocycloidal geometric path. This motion generates a linear output from a pure, rotary input, providing extended seal dwell time, high speeds, and superior seal integrity across a range of materials.

Easy-setup, self-positioning rotary seam seal
A unique rotary back seal requires no drive motor. The simple pressure controlled system uses a Teflon sealing band to ensure consistent, smoothly-ironed seals. Ease of setup 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.

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 threading 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

▶ Constant-motion speeds up to 160 bpm
▶ Easy-to-use Insight® touchscreen HMI
▶ Strong, low-profile Flex-Mount frame
▶ Open design for maximum access
▶ Easy 10-minute changeovers

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Technical Specifications

Performance		Bag Size Range	Minimum	Maximum
Production Speed	10 bpm up to 160 bpm	Width	63 mm (2.50″)*	340 mm (13.75″)
Operating Requirements		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)	**Bag Appearance**		
	5.2 bar (75 psi)	Bag Styles	Pillow Pouch, Gusseted	
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	**Film Roll Dimensions**		
Construction		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	1364 kg (3000 lb)	Max. Film Roll Weight	136 kg (300 lb)	

Standard Features

- Constant-motion profile
- Patented servo motor-controlled Hypocycloidal end seal jaws
- Self-positioning constant-motion rotary seam seal bar
- 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)
- 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

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
- 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
- Ethernet connectivity
- Auxiliary film rack