

ROBERT'S PACKAGING, INC.

C Series High Speed HFFS Machinery

PERFORMANCE

Superior pouch forming for high quality bags and hermetic seals even with a variety of zippers

Continuous Motion Design that is unique in the industry

Up to 200 pouches per minute

EFFICIENCY

Features for maximizing output and minimizing scrap are standard

Servo motor intelligence in key operating areas

Following funnels allow packing of difficult products while also preventing product spillage

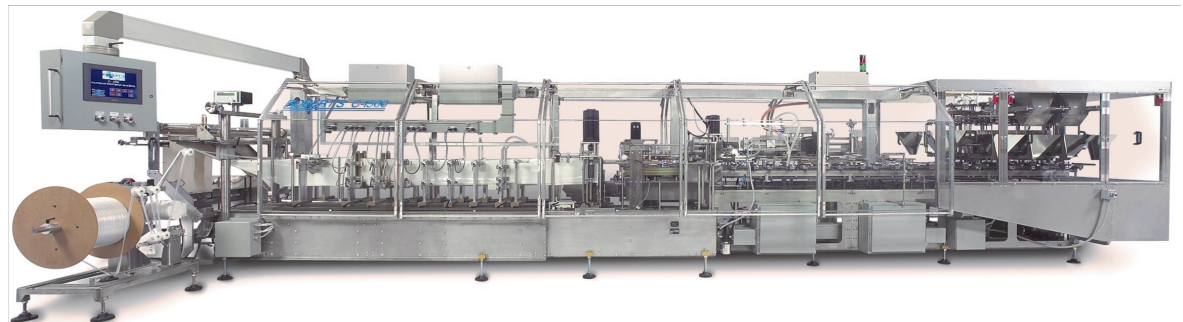
FLEXIBILITY

Wide range of pouch styles and value added features are available

Resealable zipper capability including slider zipper attachment

Convertible pitch system available to maximize output vs. pouch size

Variety of options for various product needs such as gas flushing, dust extraction, premium insertion, etc.



Versatile and flexible, Robert's C-Series continuous motion form-fill-seal machines are a perfect example of form following function. With a focus on pouch quality and filling efficiency, the machine provides performance not seen from other offerings on the market. The machines can be configured to produce a wide variety of pouches for virtually any need, at speeds up to 200 pouches per minute. Also boasting a wide size range capability, these high performance machines are cutting packaging costs and increasing production efficiencies in a broad array of applications.

Versatility and Flexibility

This versatile packager can fill difficult-to-pack products because of its ability to have the traveling filling funnels over the pouch for an extended amount of travel time. The filling funnels can shake and/or utilize baffles to pack difficult products. Products that simply could not be packed on a "single point dump" machine can be run, and run at high speeds, on the Robert's C-Series.

Consistent High Quality

Multiple sealing stations, seal cooling, dual pouch clamps that grip both sides of the pouch, and a traveling top sealing unit result in superior quality pouches. The smooth continuous motion and precise positive filling prevent product spillage and top seal contamination.

High Production Speeds

The C Series machines are capable of speeds up to 200 pouches per minute. The inherent benefits of continuous motion and our traveling funnels enable us to achieve these speeds consistently in production.

Field Proven Reliability

Our Contract Packaging Division, in conjunction with our Machinery Division, allows us to do what few packaging machinery builders can: **Run what we sell!**

In addition to running at our numerous customer's plants, our C Series equipment has run hundreds of millions of pouches and has performed under actual daily production conditions since 1977 in our contract packaging operation. This "ultimate R&D facility" delivers many benefits to our customers.

C SERIES

ROBERT'S
PACKAGING
Standup-Pouch Machinery

C SERIES HFFS MACHINES

POUCH SEALING

The machine utilizes dual web edge sensors to ensure superior film tracking.

Multiple sealing stations and high sealing pressure produce excellent, hermetic seals with a wide variety of zipper closures.

CONTINUOUS MOTION

The C Series machine forms the pouch intermittently to ensure strong, hermetic seals.

What sets the machine apart is that after the pouch is formed, it is transitioned to a continuously moving pouch opening and filling system.

This continuous system is the key to speed and efficiency.

TRAVELING FUNNELS

Combined with continuous motion, our traveling funnels open up a broad array of options for filling the pouches.

Whether due to a small pouch opening size or difficult product, the traveling funnels can provide consistent and efficient filling with a minimum of product spillage at high speeds.

Even at speeds of 120 per minute, the machine can provide over 6 seconds of filling time while the funnels travel with the pouches for 126" / 3,200mm.

Operation

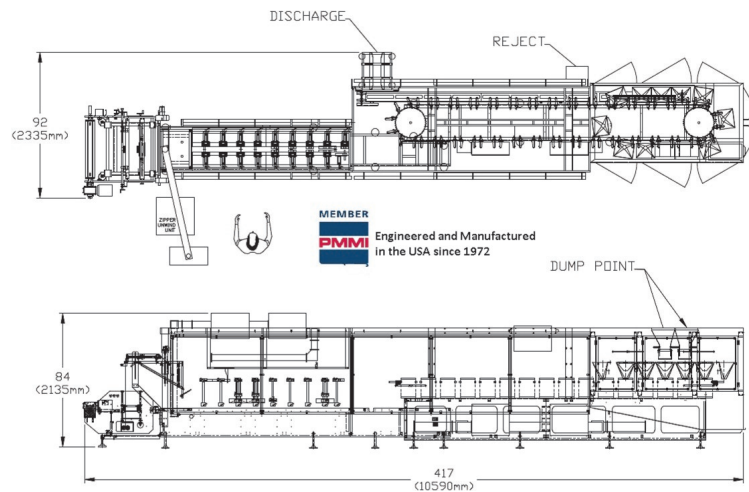
- A single roll of film is unwound and fed into the machine. Holes are punched for the stand up feature of the pouch.
- Servo controlled rollers feed the packaging material over a plow that folds the material in half and creates the gusset, which is used for the stand up feature.
- Zipper is fed through a zipper guide plate and then sealed into the top of the package.
- Side and bottom seals are made and are cooled utilizing separate cooling bars.
- Pouches are separated by a cut-off knife and transferred to a dual clamp mechanism. This is also the transition from intermittent motion pouch making to continuous motion filling and sealing.
- After the pouches are opened and checked for proper opening, the continuously traveling funnels are lowered into the pouch opening. These funnels can be shaken and/or utilize baffles in numerous ways to aid in product transfer.
- The pouches are filled by combination weigher, volumetric feeder, auger, liquid pump or any other metering device based on the product being run.
- Throughout filling and prior to top sealing, the pouches can be settled from underneath.
- Prior to sealing, the pouches can be gas flushed and/or deflated.
- Pouches are sealed and cooled by a traveling seal bar system and discharged.

Standard Features

- Servo motion for key operating areas
- A variety of control / servo combinations
- Quick change sealing system
- Tool-less funnel and baffle changeover

Optional Features

- Left hand version
- USDA washdown execution
- Various hole punches and die cuts
- A wide variety of dry (scales, augers, cup fillers, etc.) and liquid (mass flow, pumps, etc.) dosing systems
- Code dating, check-weighing, case packing, metal detection, and many other upstream and downstream options for a complete packaging system.



Machine	Width		Height		Gusset		Speed
	Min	Max	Min	Max	Min	Max	
C 1000	4.0"	7.5"	6.0" ¹	12.0"	0.0"	5.0"	Up to 200 ppm
	100mm	190mm	150mm ¹	305mm	0mm	125mm	
C 1250	4.0"	9.5"	6.0" ¹	15.0"	0.0"	5.0"	Up to 140 ppm
	100mm	240mm	150mm ¹	380mm	0mm	125mm	
C 1500	4.0"	12.0"	6.0" ¹	15.0"	0.0"	5.0"	Up to 100 ppm
	100mm	305mm	150mm ¹	380mm	0mm	125mm	
C-Series CONVERTIBLE	4.0"	12.0"	6.0" ¹	15.0"	0.0"	5.0"	7.5" Width - 200 ppm 12.0" Width - 100 ppm
	100mm	305mm	150mm ¹	380mm	0mm	125mm	

¹ 5.0" / 125mm Minimum when running without zipper

C SERIES

Robert's Packaging, Inc.

126 Avenue C

Battle Creek, MI 49037

Phone 269.962.5525

Fax 269.962.7041

www.robertspackaging.com

