



Primary Equipment

- Continuous-motion HFFS equipment
 - Ultra ServOriginal™
 - ServOriginal™
 - Performa™ SP
 - Performa™
- Filter pack equipment
- Thermoforming equipment

Secondary Equipment

- Continuous-motion festooning systems
- Cumulus™ conveyor system
- Collating knife systems
- Display carton loaders (DCL)
- Semi-auto carton filling systems
- Specialty equipment
- Product feed systems

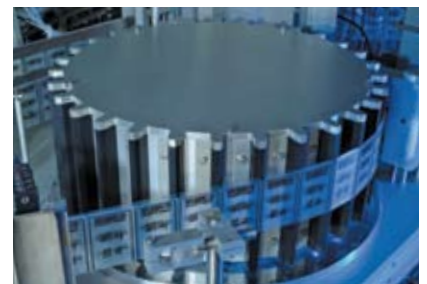
Package Types

- Three-sided
- Four-sided
- Stick packs
- Water-soluble
- Asymmetrical
- Lip trim
- Filter pods



High-speed, Reliable Equipment

When you choose Cloud Packaging Solutions equipment, you purchase equipment that is reliable, fast and capable of delivering the highest quality results. As a contract packager ourselves, we understand your exact count requirements, uptime, line demands and desire for higher yields. With this production expertise,



our engineers design the equipment to be highly functional with an emphasis on ease of use, compact footprints, quick changeovers and extreme reliability.

Since 1929, Cloud has been providing packaging solutions for the horizontal form, fill and seal (HFFS) industry. Beginning with the invention of the first high-speed continuous-motion HFFS pouching machine, Cloud has continued to set the standard, and remains firmly committed to continuous improvement of its machinery by employing state-of-the-art features and controls on all of our systems. Cloud's high-speed technology, coupled with accuracy and reliability, delivers cost-efficient solutions for both your primary and secondary packaging equipment requirements.



Equipment Benefits

- State-of-the-art design
- Efficiencies of up to 98%
- Compact footprints
- Higher throughput for film and product savings
- Tool-less changeovers for less downtime
- Accurate feeding
- Designed for exact counts (99.9% accurate)
- Higher yields with reduced labor
- Superior seals
- Uses familiar PLC logic for digital I/O control
- Full-featured operator's panel with diagnostics



Primary Equipment

The primary equipment uses state-of-the-art servo drives with computer-backed HMI for highly accurate feeding and fill weight counts at all speeds. Our systems are easy to use and maintain, with help screens and online manuals.

We offer full-featured, high-speed machines, which, along with our smaller, mid-range machines, can meet your specific requirements for volume, pouch size, floor space and budget.

ServOriginal™ Pouch Series offers high-speed and high-volume capabilities, along with software motion control for accurate and precise web and product handling.

The **ServOriginal** performs at speeds up to 5,500 linear inches of film per minute, while the **Ultra ServOriginal** is capable of speeds of up to 6,000 linear inches per minute — 50% faster than any other HFFS machine in the market. Both machines have flexible product feed systems to accommodate powders and pieces.



Performa™ Pouch Series was borne of the ServOriginal to meet mid-range speeds and lower-volume applications. With a smaller footprint, this series offers a robust, efficient high-value solution.

The **Performa** offers speeds of up to 5,500 linear inches of film per minute, while the **Performa SP** achieves speeds of up to 7,200 linear inches per minute.

Filter Pack Equipment

Clouds' filter pack machine utilizes our patented method of continuous motion to form porous media into pockets, then fills and seals them at speeds of up to 1,500 units per minute. The process provides



flexible product feed systems, very high efficiencies, tight weight control and automatic collation technology.

Thermoforming Equipment

Our thermoform drum machine produces heat-formed shapes of styrene or other thermo-formable materials with high-speed technology that accurately forms, fills and applies a paper or foil lid at speeds of up to 4,000 packets per minute.

Secondary Equipment

Cloud also manufactures secondary equipment to efficiently handle your downstream production needs.

Festooning Systems

With the ability to de-couple pouch-making from collation, the festooner can support multiple cartoners or assemble multi-flavor multi-packs.

Cumulus™ Conveyor System

This system separates pouching from the remote knife for higher efficiencies.

Collating Knife System

This system has multiple knife configurations for high-speed collations of direct-drop to cartoner, exact count patterns or perforated multi-strips.

Display Carton Loader (DCL)

Ideal for retail displays, the DCL system loads pouches into single- or multi-facing cartons in single or perforated multi-pouch formats.

Semi-Auto Carton Filling System

Our system creates hand-erected cartons or cases that are placed in transports and automatically filled with collated pouches.

Horizontal Form, Fill and Seal (HFFS) Web Path

Cloud HFFS equipment is capable of processing up to 5,760 pouches per minute. State-of-the-art technology and precise calibration fill, form and seal with the greatest efficiency possible. See below for our process.



Parts and Service

Cloud Packaging equipment qualified service technicians can be dispatched to your plant, usually within 24 hours of your call, to help you solve any problems you may have. They are the same technicians who built your machine. Cloud also provides 24-hour parts support from our fully stocked, on-hand OEM parts inventories for immediate order fulfillment.

Retrofits

Our engineers can modify or upgrade your pouching machines to maximize your production potential. We will thoroughly review your plans and work with your engineers and operations staff to develop the right solution. Our retrofitting capabilities include registration kits, automatic splicing and top-sealer kits.

Integration Services

Cloud can also ensure that your entire line — from upstream feed systems to downstream secondary packaging equipment — is fully integrated and running smoothly. We can design the line to your unique specifications and coordinate the acquisition, customization, factory acceptance testing and installation of any subsequent equipment.

Equipment Specifications

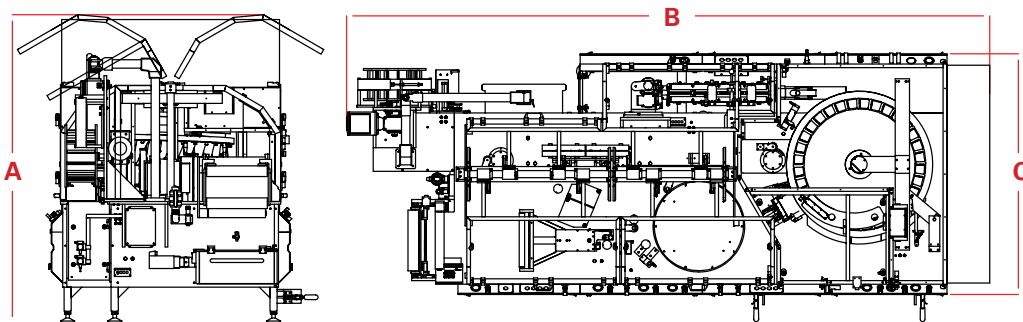
Equipment Type	Dimension Height (A)	Dimension Length (B)	Dimension Width (C)	Pouch Size Width Range	Pouch Size Height Range	Web Materials	Pouch Styles	Feeder Options
Ultra ServOriginal™	87"	207"	90"	1" – 10"	2" – 12"	note 1	note 2	note 3
ServOriginal™	87"	181"	68"	1" – 8"	2" – 7"	note 1	note 2	note 3
Performa™	87"	177"	60"	1" – 6"	2" – 7"	note 1	note 2	note 3
Performa™ SP	87"	140"	48"	1" – 4"	1" – 4"	note 1	note 2	note 3
Filter Pack				various diameters	various diameters	filter papers	various shapes / sizes	compression feeder
Water Soluble				½" – 6"	¼" – 6"	polyvinyl alcohol (water-soluble film)	4-sided seal, shapes	liquid nozzle, powder feed belt

Maximum Mechanical Speed (Pouches/Minute)

Equipment Type	2" Wide Pouch	3.5" Wide Pouch	4.25" Wide Pouch	6" Wide Pouch
Ultra ServOriginal	3,000	1,714	1,412	1,000
ServOriginal	2,750	1,571	1,294	917
Performa	2,750	1,571	1,294	917
	1.25" Wide Pouch	1.375" Wide Pouch	1.591" Wide Pouch	2" Wide Pouch
Performa SP	5,760	5,236	4,525	3,600
	2" Diameter Pouch	4.5" Diameter Pouch		
Filter Pack	1,500	700		
Water Soluble	up to 2,200			



Pouch Machine Table Layout



Note 1: Web Materials: Paper / poly, paper / poly / foil / poly, polypropylene and polyester structures

Note 2: Pouch Styles: 3-sided, 4-sided (except Performa SP), asymmetric, stick pack

Note 3: Product Feed Options: Product feed belt, dosing wheel, vibratory pan, metering block, puck filler, volumetric cup, single / dual auger, custom fillers

Gas Flush: < 2% on all ServOriginal and Performa machines

ServOriginal and Performa Features and Options: Hot air, auto web edge guide, recipe-driven operation, hanger hole, perforator, lip trimmer, tear notcher, code dating, splice detect / reject, empty pouch detect / reject, blocked spout detect, remote panel

Contract Packaging

Cloud's primary and secondary contract packaging services include material preparation, blending, filling and collation, cartoning, shrink-wrapping, pallet-ready displays and much more. Packaging solutions include flexible pouches, pre-formed cups, filter pods, and direct-fill carton. Our extensive capabilities help you address your most challenging packaging needs — from new product launches to seasonal packaging to different distribution channels.

Call Cloud Packaging Solutions today for your equipment needs. Let us help you increase efficiency and throughput.



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With more than 75 years of experience, Cloud Packaging Solutions is an industry leader in primary and secondary contract packaging, design services and high-speed, high-volume HFFS equipment. The synergy between Cloud's packaging and equipment divisions creates full-service solutions for every contract packaging need.