Bag Filling Closing and Palletizing Systems
TURN-KEY SYSTEMS

One unique technology. One unique manufacturer of complete turn-key packaging systems.

Single operator interface controls the complete packaging line.

Automatic program change in 90-120 seconds – changes the complete packaging line from one operating program to another.

Network ready centralized supervisory system option.

Optional integrated equipment: "print and apply" label applicators, ink-jet printers, metal detectors, check weighing systems, out of range bag marking and reject devices, etc.

Integrated end-of-line equipment: Stretch wrapping systems and pallet stretch hooding systems.

Safety fencing with protection devices compliant with current regulations UL, CSA, or CE.

Machine design, project management, and manufacturing of complete packaging systems for hazardous areas classification, Division 1 and 2 Class I and II.
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NET WEIGHERS

The product is weighed in a separate weighing container and then discharged into the bag.

Different feeding systems are available depending on the type of product to be handled.

NET/N-CC
DOUBLE FEEDING SYSTEM
BELT AND SCREW FEEDERS
Capacity up to 900 bph for belt feeding system, 800 bph for double screw feeding system.

NET/CC
DOUBLE SCREW FEEDING
Capacity up to 800 bph

Flexible: weighing range from 2 to 110 lbs (1 to 50 kg).

Easy cleaning: wide cleaning doors, quick release components and, as an option, automatic cleaning system with air or water nozzles.

Accuracy: constructed in accordance to the OIML recommendation and the MID European directive.

NET/G
GRAVITY FEEDING
Dosing gate is driven by brushless motor.
Capacity up to 2,000 bph

NET/G
SELF-CLEANING GRAVITY FEEDING
Capacity up to 1,200 bph

NET/N
BELT FEEDING
Capacity up to 900 bph
The product is weighed inside the bag as it is being filled.

Different feeding systems are available depending on the type of product to be handled.

**NET/G**

Self-Cleaning Gravity Feeding

- Flexibility: weighing range from 2 to 110 lbs (1 to 50 kg).
- Easy cleaning: wide cleaning doors, quick release components and, as an option, automatic cleaning system with air or water nozzles.
- Accuracy: constructed in accordance to the OIML recommendation and the MID European directive.

**NET/N-CC**

Double Feeding System: Belt and Screw Feeders

- The product is weighed in a separate weighing container and then discharged into the bag.
- Different feeding systems are available depending on the type of product to be handled.

**NET/CC**

Double Screw Feeding

- Capacity up to 900 bph for belt feeding system,
- 800 bph for double screw feeding system.

**NET/N**

Belt Feeding

- Capacity up to 1,200 bph

**GROSS/CC**

Double Screw Feeding

- Suited for non-free flowing, aerated and/or fluidized powders, ideal for both industrial food and chemical applications. Here integrated with semi-automatic open mouth bag filling and sewing line.
- Capacity up to 300 bph

**GROSS/N**

Belt Feeding

- Ideal for products with medium flow characteristics, particularly pellets, granules and flakes like animal feed and pet food. Integrated with semi-automatic open mouth bag filling and closing machines.
- Capacity up to 350 bph
BIG BAG FILLING SYSTEM

NET B/G
WEIGHING AND FILLING STATION WITH GRAVITY FEED FOR GRANULAR PRODUCTS LIKE FERTILIZER

- Contact parts in stainless steel.
- Suitable for single loop big bags.
- High Speed capacity up to 100 big bags/h

GROSS B/G
WEIGHING AND FILLING STATION WITH GRAVITY FEED FOR BIG BAGS AND OCTABINS

- Suitable for various sized octabins.
- Capacity 30 units per hour

- Height regulation system suitable for big-bags up to 80 inch (2000 mm) tall and support weights from 1,100 to 4,500 lbs (500 to 2000 kg).
- Automatic tying system as an optional feature.
GROSS B/C
WEIGHING AND FILLING STATION WITH SCREW FEEDER FOR DAIRY PRODUCTS

Contact parts in stainless steel.
Detachable screw for fast easy cleaning.

Capacity up to 10 big bags/h

NET B/G
WEIGHING AND FILLING STATION WITH GRAVITY FEEDER FOR FREE FLOWING PRODUCTS

Features include single stacking or double stacking big bags on a pallet.
High Speed with capacity up to 60 big bags/h

GROSS B/G
WEIGHING AND FILLING STATION WITH GRAVITY FEED FOR BIG BAGS AND OCTABINS

Suitable for various sized octabins.

Capacity 30 units per hour
BAGGING MACHINES FOR PRE-FORMED OPEN MOUTH BAGS

IPF

Fully automatic high performance bagging system equipped with two bagging spouts.
Suitable for small sized (1-20 lbs, 1-10 kg) open mouth paper, coated paper, PE and aluminum gusseted bags.

Capacity up to 2,400 bph

IMF

Fully automatic high performance bagging system equipped with two bagging spouts.
Suitable for medium sized (5-40 lbs, 2-20 kg) open mouth, flat or gusseted, paper, coated paper, PE and aluminum bags.

Capacity up to 1,800 bph

SPECIAL OPTIONAL FEATURE ON ALL MODELS

1. The zipper is formed and cut
2. The top zipper is inserted and sealed to the bag
3. Zipper Patented

CAROUSEL

SPECIAL OPTIONAL FEATURE ON ALL MODELS

Fully automatic six station rotating carousel with net weigher system suitable for filling and closing very aerated and fluidized products (e.g. flour).
Features include separate bag vibrating device to remove air from product during the filling process.
Suitable for open-mouth bags from 10 to 110 lbs (5-50 Kg) including flat or gusseted bags in paper, PE or woven PP.
Capacity up to 1,100 bph
All machines can be equipped with a variety of bag closing devices including simple sewing, fold over and sewing, sewing with crepe paper, heat sealing, PE through paper heat sealing, and glue activated pinch sealing.

IGF
Fully automatic high performance bagging system. Suitable for virtually any kind of open-mouth bags from 5 to 110 lbs (2-50 kg): flat or gusseted, paper, coated paper, PE, aluminum, woven PP bags with or without handles, quad sealed laminated bags with pre-applied zipper, etc.

Capacity up to 1,200 bph

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Suitable for open-mouth bags from 10 to 110 lbs (5-50 Kg) including flat or gusseted bags in paper, PE or woven PP.

Capacity up to 1,100 bph
The Concetti packaging machines can be equipped with a variety of bag closing devices including simple sewing, fold over and sewing, sewing with crepe paper, heat sealing, PE through paper heat sealing, and glue activated pinch-sealing.

Thermal transfer printing, print and apply label applicators, ink jet printers, and inspection machines are also available.

BAGGING MACHINES FOR PRE-FORMED OPEN MOUTH BAGS

- The Concetti packaging machines can be equipped with a variety of bag closing devices including simple sewing, fold over and sewing, sewing with crepe paper, heat sealing, PE through paper heat sealing, and glue activated pinch-sealing.

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THE ULTIMATE BAGGING FLEXIBILITY:  
IGF+FFS
FOR PRE-MADE BAGS AND BAGS FORMED FROM A ROLL OF FLAT OR GUSSETED TUBULAR PE FILM

IGF + FFS

Fully automatic high performance bagging system fitted with a bag forming station. Suitable for virtually any kind of open mouth bags from 5 to 110 lbs (2-50 kg): flat or gusseted, paper, coated paper, PE, aluminum, woven PP bags with or without handles, quad sealed laminated bags with pre-applied zipper, etc.

Capacity up to 1,200 bph
CONTINUA forms fills and seals bags, formed from a roll of tubular PE film, and can come equipped with:
- a new patented feature for inserting a zipper closure on the top of the bag thus turning an ordinary flat or gusseted PE bag into a resealable package ideal for multiple use dispensing.
- Possibility to create lengthwise side seals (stabilo seals) adding structure while improving bag uniformity and stability.

CONTINUA FFS machine with six linear bagging positions specifically designed for handling fine powders into hermetic PE bags with size range: 10-110 lbs (5-50 Kg) at bagging speed: up to 800 bph (500 with hermetic bag).
CONTINUÀ FFS

FFS-E
Innovative bagging machine that forms, fills and seals 10 to 110 lbs (5-50 kg) bags from a roll of tubular PE film.
Ideal for high speed packaging of free flowing pellet and granular products.
Its mono-bloc structure is open on the bottom allowing easy access for cleaning and inspection.

Capacity up to 2,000 bph

CONTINUÀ FFS
Bagging machine that forms, fills and seals 10 to 110 lbs (5-50 kg) bags from a roll of tubular PE film.
It is ideal for packaging aerated, fluidized, powdery and/or aggressive products.

Many optional features available, like:
- Probes removing air from aerated powders
- Vacuum probe for granular products
- Corner “K-sealing” for better shaped bags
- Labyrinth sealing
- Bags with die cut handle(s)
- Print and apply labeling
- Thermal transfer printing

Capacity up to 1,800 bph
ROBOTIC PALLETIZERS

All models feature a pincer that picks up one bag at a time and placing it in a predetermined location. Some models feature layer forming on stripper plates for consistent layer squaring and layer compression. Suitable for different bag types and with different palletizing patterns. They are particularly suited to stacking bags containing aerated or unstable products. It’s the perfect machine for overlapping bags on end or sides.

PS-3A/18S-4S
FOUR COLUMN ROBOT PALLETIZER


Capacity up to 1,200 bph
PS-3A/10S-2S
TWO COLUMN ROBOT PALLETIZER

Automatic empty pallet dispenser.
Automatic corrugated bottom sheet placer.
Automatic PE bottom sheet dispenser and placer.
Squared roller settling conveyors.
Equipped with adjustable layer containment plates for building perfectly squared layers and stable pallets.

Capacity up to 750 bph

PS-AA-3A/18S
ROBOTIC PALLETIZER TWO IN ONE

It forms two pallets at a time from a single service roller conveyor.
Featuring a unique motorized side and top layer compacting device.

Capacity up to 1,000 bph
ROBOTIC PALLETIZERS

PS-4A/15S-A
ANTHROPOMORPHIC ROBOT PALLETIZING SYSTEM

Compact footprint with unprecedented reliability!
Configurations include complete automatic empty pallet feeding, slip sheet placement, loading, and full pallet evacuation.

Output rate up to 700 bph

PS-4A/8S-C
SINGLE-COLUMN ROBOT PALLETIZER

Compact footprint. Configurations range from manual placement and loading of pallets to complete automation.

Capacity up to 450 bph

PS-4A/10S-P
GANTRY TYPE PALLETIZER

With telescopic bag gripper.
Compact footprint. Configurations range from manual placement and loading of pallets to complete automation.

Capacity up to 600 bph
PUSH TYPE PALLETIZERS

PS-4A/10S-P
GANTRY TYPE PALLETIZER
With telescopic bag gripper.
Compact footprint. Configurations range from manual placement and loading of pallets to complete automation.
Capacity up to 600 bph

PS-4A/15S-A
ANTHROPOMORPHIC ROBOT PALLETIZING SYSTEM
Compact footprint with unprecedented reliability!
Configurations include complete automatic empty pallet feeding, slip sheet placement, loading, and full pallet evacuation.
Output rate up to 700 bph

PS-4A/8S-C
SINGLE-COLUMN ROBOT PALLETIZER
Compact footprint. Configurations range from manual placement and loading of pallets to complete automation.
Capacity up to 450 bph

PUSH TYPE PALLETIZERS

PS-AA/40S
HIGH LEVEL PUSH-TYPE PALLETIZER
Capacity up to 2,400 bph
Features include:
- Automatic empty pallet dispenser with powered roller conveyor
- Automatic bottom slip sheet placer
- Bag flattening
- Bag turning device
- Layer forming plates with automatic layer squaring plates
- Layer compaction
- Full pallet evacuation and accumulation roller conveyor

PS-AB/15S
LOW LEVEL PUSH-TYPE PALLETIZER
Automatic empty pallet magazine.
Full pallet evacuation and accumulation roller conveyor.
Layer compaction on all four sides.
Capacity up to 900 bph
The advanced mechanical, electronic and computer technology that the Concetti Group uses in an integrated way represents the true strong point of the company - and the guarantee of efficient after-sales servicing based in Atlanta, Georgia. The presence of diagnostic software and display panels on each plant means that the operator can immediately identify and eliminate any malfunctions.

HOT-LINE
Available to customers to call for technical support and troubleshooting. Around 70% of service related issues are solved through the Hot-line.

TELESERVICE
Through the development of new technologies and the skills of our personnel, upon request, the Concetti Group offers a remote access supervisory and service program permitting online access to each Concetti installation. Our skilled technicians are able to troubleshoot, modify, and update operating system conditions online.

REGULAR MAINTENANCE
REGULAR MAINTENANCE: our USA based technician is available to handle planned maintenance on plants that are already in operation. Contact us in order to make use of this service.

AREA SERVICE: the Concetti North America Corp., ever attentive to customer needs, can offer the services of specialized technicians in order to furnish assistance on the plant installation site. In the event of malfunctions or extraordinary maintenance, the Concetti North America Corp. can ensure fast intervention time and reliable technical support.

SPARE PARTS
The Concetti Group guarantees its customers quick supply of spare parts that may be needed during the life of the machine. Concetti North America Corp. has been established to manage customer contacts specifically for this purpose.
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REFERENCES

CHEMICAL, PLASTIC, FERTILIZERS AND OTHER PRODUCTS

A. SCHULMAN PLASTICS, AKZO NOBEL, AMANDUS KAHN, ANOREL NV, BASF, BAYER, BERTRAMS, BRUNNER MOND, CALDERYS GERMANY, CALGON CARBON, CHEMVIRON, CELANESE (TICONA), CHEMTURA (GREAT LAKES CHEMICALS), CLARIANT, COLUMBIAN CARBON, COMPO, CONSTAB, COPERION, CRODA, DEGUSSA, DSM CHEMICALS, DUPONT, EKO ENERGY, ERCROS, ESCO, FERRO, GERMAN PELLETS, HAIFA CHEMICALS, HANSON, HENKEL, HEXION SPECIALITY CHEMICALS, HONEYWELL, INEOS - CHLOR VINYL, INSTARMAC, J. RETTENMAIER & SÖHNE, KALPENA, KATOEN NATIE, KEMIRA, KLI ORGANIC, LAFARGE - PLR SVENSKA HÖGANÄS, LINZER AGROTRADE, LONZA, MARAKUNDA, NIKOCHEN, NILIT PLASTICS EU, NOVARTIS (CIBA), NUOVIA SOCO, OMNICOL, ODEBRECHT, OPTIROC, PROMAT, QUIKCRETE, REMIX DRY MORTAR (AGAR GROEP), RUSSALT, SASOL, SKW STICKSTOFFWERKE, SODA SANAYII AS, SOLUTIA UK (FLEXIS), SOLVAY, TATA CHEMICALS, TESSENDERLO, TOTAL, TM PROGRESS, TRANSGRANADA, TRIFERTO, URALCHEM-AZOT BEREZNIKI, XINJIANG TIANYE GROUP, YARA, ZHONGTAI, ZIRAX.

FEED GRAINS FOOD

AJINOMOTO, ALF ISSEN, AMALGAMATED SUGAR, AMYLUM, AVEVE, BAY STATE MILLING, BOGDANOVICH, BOSCH TIERNARHUNG, BURGESS SUPAFEEDS, CAMBRIAN PET FOODS, CARGILL CERERE, CENTRE SEM, CIMBRIA, COFCO TUNHE CHONGZUO SUGAR INDUSTRY, DANISCO SUGAR, DIBAQ ITALIA, DODSON & HORREL, Dossche Mills, DOX-AL ITALIA, DSM NUTRITIONAL, EFFEF, EFTE, EWOS, F. URL & Co, FARMINA (RUSSO MANGIMI), GATCHINSKY, GHEDA MANGIMI, GUPTET CHOCOLATE, HAWAIIAN SUGAR COMPANY, JUBILANT AGRI, LATTERIA SORESINA, LEHANN LINDMÜHLE, LESAFFRE - RED STAR, LIAGRAIN, MAKFA, MANGIMI PETRINI, McCORMICK, MILK PRODUCTS, MONSANTO, NDF AZTECA MILLING, NOVA FOODS, NUTRECO, NUTRIX PIU', PIONEER HI-BRED, PREMIER NUTRITION, PRODIMEX, PROVIMI, RKW SÜD WÜRZBURG, ROQUETTE, RUPP MÜHLE HÖRBRANZ, RWA LINZ, S.I.S. SOCIETA' ITALIANA SEMENTI, SKRETTING AS, SOLAN KRAFTFUTTERWERK, ST. PETERSBURG MILL, STO POSTO, SÜDZUCKER, SOUSS CEREALES, SUZHUO JIAHE FOODS, SYNGENTA, TATE & LYLE - AMYLUM, THE HAWAIIAN SUGAR COMPANY, TROUW, UNSER LAGERHAUS WHG, VITAL, WENHUI FOOD INDUSTRY, ZHENJIANG NANHUA SUGAR CO.