FULLY AUTOMATIC FILLING CLOSING & PALLETISING SYSTEMS
We say what we can do and we do what we say
We say what we can do and we do what we say.

Company

COMPANY

PROJECT MANAGEMENT

Projects

NET WEIGHERS

GROSS WEIGHERS

BIG BAG FILLING SYSTEM

BAGGING MACHINES FOR PRE-FORMED OPEN-MOUTH BAGS

IGF+ FFS, CAROUSEL

STARPACK®

TURN-KEY SYSTEMS

FFS MACHINE

ROBOTIC PALLETISERS

PUSH TYPE PALLETISERS

BAG IN BOX

Customers

CUSTOMERS

WHAT OUR CUSTOMERS SAY / REFERENCES
COMPANY

1920 - 1960
We boast of a family tradition in the mechanical field that dates to the turn of the twentieth century. In 1918, Domenico Concetti opens a small workshop and starts to make agricultural equipment. His son Francesco inherits the business and runs it until the sixties.

1970
Having gained experience in the local milling and feed industry, Francesco's son Teodoro creates and patents the first machines for bagging bulk products in 1968. When his brother Giuseppe joins him in 1974, the foundations are laid for a modern company.

WHO WE ARE  We are a world-leading manufacturer of high

WHAT WE DO
We make multifunctional weighing, filling, closing and palletising lines for packing a variety of dry bulk products into bags. Each packaging line is customized to the application. We design, fabricate, paint, assemble, wire, programme and test in a single plant located in Umbria, in the very heart of Italy.

QUALITY
We stand for reliability and guaranteed performance. We carefully follow an ISO 9001 quality assurance standard and use the best available components and ancillary equipment.
TODAY

We are an international group of companies at the fourth generation: with Emanuele, Francesco and Riccardo Concetti keeping up the family tradition. We are over 160 skilled and dedicated professionals, constantly striving to improve our products and ourselves.

THE FUTURE

In Concetti, we look ahead to foresee the next generation of machines. We try to design the packaging plant of the future: adapt quickly to changing markets, always complying to with the ever evolving Health, Safety and hygienic standards, attentive to good energy and resources management and fully integrated with the IT management systems.

quality packaging machinery and a supplier of turn-key solutions.

OUR CUSTOMERS

From multi-national companies to small businesses: more than 2,000 distinctively Concetti systems have been installed around the world, over 40% going to repeat customers.

THE CONCETTI PHILOSOPHY

We believe that cutting-edge innovation evolves from a combination of research and the hands-on experience we share with our customers in the field.
PROJECT MANAGEMENT

PRODUCT ANALYSIS AND TESTING
An entire section of our plant is given over to the theoretical and practical testing of weighing, bag filling, sealing and palletising. We start by thoroughly checking the customer’s requirements. Product samples and safety data are analysed. We examine the physical aspects and the flow characteristics so that the very best solution is proposed.

PROJECT ENGINEERING AND CUSTOM-FIT DESIGN
Concetti have the experience to find the optimum system configuration and the right type and size of bag. For every enquiry, we prepare a clear and comprehensive proposal with fully dimensioned layout drawings. The system is discussed in detail with the client during site visits and on larger projects, if we are successful, a launch meeting finalises any outstanding issues.

IN-HOUSE MANUFACTURING & QUALITY CHECKS
Design and production are fully computerised. The latest 3D CAD systems enable the functionality of new designs to be tested even before production begins. Modern laser cutting technology is used for precise manufacturing of parts large and small. Parts ordering, stock picking and scheduling are all automated. This integrated manufacturing gives us total control over the quality of our products.
F.A.T.
The factory acceptance test (FAT) is the customer's opportunity to check that the system operates to the specification. We assemble and wire the complete line and test run it with the client's own products, bags and pallets. By attending these tests the customer has the confidence of knowing that any minor issues are dealt with well in advance of delivery.

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INSTALLATION AND TRAINING
The Concetti installation and commissioning supervisor will be an experienced multi-lingual engineer fully trained in safety procedures. He will ensure a smooth and rapid start-up on site and provide the proper level of training to the customer's maintenance and operating staff.
The product is weighed in a separate weigh hopper and is 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 weighments /hr for belt feeding system, 800 weighments /hr for double screw feeding system.

**NET/CC**
DOUBLE SCREW FEEDING
Capacity up to 800 weighments /hr.

**NET/G**
GRAVITY FEEDING
Dosing gate is driven by brushless motor.
Capacity up to 2000 weighments /hr.

**NET/G**
SELF-CLEANING
GRAVITY FEEDING
Capacity up to 1200 weighments /hr.

**NET/N**
BELT FEEDING
Capacity up to 900 weighments /hr.

Flexibility: weighing range from 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.

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BELT FEEDING
Capacity up to 900 weighments /hr.
**GROSS WEIGHERS**

- 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.

**GROSS/CC**
**DOUBLE SCREW FEEDING**

Designed for non-free flowing, aerated and/or fluidised 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 bags /hr.

**GROSS/N**
**BELT FEEDING**

Designed for products with medium flow characteristics, particularly pellets, granules and flakes such as animal feed and pet food. Integrated with semi-automatic open-mouth bag filling and closing machines.

Capacity up to 350 bags /hr.
BIG BAG FILLING SYSTEM

- Height regulation system designed for bags up to 2000 mm high, and weight range from 500 to 2000 kg.

- Automatic tying system - optional feature.

- Complete with automatic dispenser of empty pallets and exit roller conveyors.

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

Contact parts in stainless steel.
Suitable for single-loop big bags.
High Speed capacity up to **100 big bags/hr.**
**GROSS B/C**
WEIGHING AND FILLING STATION WITH
SCREW FEEDER FOR DAIRY PRODUCTS

Contact parts in stainless steel.
Removable screw for fast easy cleaning.
Capacity up to 10 big bags/hr.

**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/hr.

**GROSS B/G**
WEIGHING AND FILLING STATION WITH GRAVITY
FEED FOR BIG BAG 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 one or two bagging spouts. Suitable for small-sized (1-10 kg) open-mouth paper, coated paper, PE and aluminum gusseted bags. Capacity up to 2400 bags/hr.

IMF

Fully automatic high-performance bagging system equipped with two bagging spouts. Suitable for medium-sized (2-20 kg) open-mouth, flat or gusseted, paper, coated paper, PE and aluminum bags. Capacity up to 1800 bags/hr.

Optional

1. The zipper is formed and cut
2. The top zipper is inserted and sealed to the bag
3. ZIPPER (Patented)
IGF Aerated Chemical Powders and Flour

Designed for aerated and powder products
in open-mouth bags from 5 to 50 kg.
Bag type: flat, gusseted, in paper, coated paper or paper/woven PP with inner liner, PE.
Capacity: up to 500 bags/hr.

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.
Designed for virtually any kind of open-mouth bags from 2 to 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 1200 bags/hr.

BAGGING MACHINES FOR PRE-FORMED OPEN-MOUTH BAGS
THE ULTIMATE BAGGING FLEXIBILITY

IGF + FFS

For pre-made bags and bags formed from a roll of flat or gusseted tubular PE film. Fully automatic high-performance bagging system fitted with a bag forming station. Suitable for virtually any kind of open-mouth bags from 2 to 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 1200 bags/hr.

CAROUSEL

Fully automatic six-station rotating carousel with net weigher system designed for dosing very aerated and fluidised products (e.g. flour).
Features include separate bag-vibrating device to remove air from the product during the filling process
Capacity up to 1100 bags/hr.
STARPACK®

High speed automatic line designed for handling bulk products, granules and fine granular, into open mouth bags. Capacity up to 1600 bags/hr.

Perfect for raffia, paper and PE type bags

- Integrated bag closure devices available including sewing and heatsealing
- Capacity range from 10-50 kg
- Automatic bag format change

Starpack® can be fitted with the FFS module designed to handle Tubular PE Film.
TURN-KEY SYSTEMS

Automatic program change in 60 seconds

One unique technology provided for the whole bagging process.

Work program selection from one single remote control panel – operates the complete line.

Automatic program change in 60 seconds - changes the complete packaging line from one operating program to another.

Supervising systems implementation for the whole bagging plant.

Optional integrated equipment - “print and apply” label applicators, ink-jet printers, encoders, 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 CE regulations.

Machine design, project management, and manufacturing of complete packaging systems for ATEX coded areas.

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FFS FORZA 2600

Specifically conceived for the petrochemical industry, the new FFS Forza can achieve a filling rate of 2,600, 25 kg bags/hour with a single bagging spout.

The new FFS Forza can achieve:
- Top performance rates
- Reduced air consumption and operating noise
- Easier maintenance and use by the customer

Optional

- Bag corners sealing ("K" sealing) to improve the bags shape, enhance pallet security and aesthetics as well as to help total emptying of the bag.
- Electric reel lifting device to load the reel without the use of additional lifting devices.
- Gussets forming system to use flat (i.e. un Gusseted) reel of tubular film and yet get square gusseted bags. A flat reel contains up to three times as much bags than a gusseted film so savings in reel change downtime and storage costs are evident.
FFS-E
Innovative bagging machine that forms, fills and seals 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 2000 bags/hr.
CONTINUA FFS

Bagging machine that forms, fills and seals 5-50 kg bags from a roll of tubular PE film. Designed for packaging aerated, fluidised, powdery and/or aggressive products. Capacity up to 1800 bags/hr.

Many optional features available, such as:
- Probes removing air from aerated powders,
- Vacuum probe for granular products
- Corner “K-sealing” for improved bag shape
- Labyrinth sealing
- Bags with die cut handle(s).
CONTINUA FFS FOR EXTRA-FINE POWDERS

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

Optional

① Product deaeration
② Inert gas injection
③ Air extraction from the bag
ROBOT PALLETISERS

All models feature a gripper that picks up one bag at a time and places it at a point on the pallet pre-assigned by the program logic. Designed for different bag types and palletising patterns. Particularly suited to stacking bags containing aerated or unstable products. Perfect for overlapping bags on end or sides.

PS-3A/18S-4S
FOUR COLUMN ROBOT PALLETISER
Featuring a unique motorised side and top layer compaction device
Capacity up to 1800 bags/hr.
PS-4A/25S-A  
ANTHROPOMORPHIC ROBOT PALLETISER

The plant can be configured with on-the-ground pallet or with roller conveyors for moving the empty and full pallets automatically. Capacity: up to 1,800 bags/hr.

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

Designed to forms two pallets at a time from a single in feed roller conveyor. Featuring a unique motorised side and top layer compacting device. Capacity up to 1,000 bags/hr.
ROBOT PALLETISERS

PS-4A/8S-C
SINGLE-COLUMN ROBOT PALLETISER
Designed for stand-alone configuration or to be integrated with automatic dispenser of empty pallets and exit roller conveyors. Capacity up to 450 bags/hr.

PS-4A/10S-P
GANTRY TYPE PALLETISER
With telescopic bag gripper Designed for stand-alone configuration or to be integrated with automatic dispenser of empty pallets and exit roller conveyors. Capacity up to 600 bags/hr.

PS-4A/25S-A
ANTHROPOMORPHIC ROBOT PALLETISER
The plant can be configured with on-the-ground pallets or with roller conveyors for moving the empty and full pallets automatically. Capacity: up to 1,800 bags/hr.

PS-4A/15S-A
ANTHROPOMORPHIC ROBOT PALLETISER
Rotating and self-adjusting tool for gripping and palletising boxes. The tool can be equipped with suction cups for handling interlayer sheets.
PS-4A/8S-C
SINGLE-COLUMN ROBOT PALLETISER

Designed for stand-alone configuration or to be integrated with automatic dispenser of empty pallets and exit roller conveyors. Capacity up to 450 bags/hr.

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

With telescopic bag gripper. Designed for stand-alone configuration or to be integrated with automatic dispenser of empty pallets and exit roller conveyors. Capacity up to 600 bags/hr.
PUSH TYPE PALLETISERS

Designed for stacking stable bags with a well defined shape at medium and high speeds. Designed with stripper plates suitable for bag layer preparation, squaring and compression perfect for a high quality stable pallet.

PS-AB/15S
LOW LEVEL PUSH-TYPE PALLETISER

Automatic empty pallet magazine.
Full pallet evacuation and accumulation roller conveyor.
Layer compaction on all four sides.
Capacity up to 1000 bags/hr.

PS-AA/40S
HIGH LEVEL PUSH-TYPE PALLETISER

Automatic empty pallet magazine.
Full pallet evacuation and accumulation roller conveyor.
Layer compaction on all four sides.
Capacity up to 2700 bags/hr.
PS-4A/15S-P
GANTRY TYPE
PALLETISER

Gantry type palletiser with vacuum pick up head for placing 3 to 6 kg bags and shelf ready boxes into a case. Capacity: up to 1400 bags/hr.

Rotating vacuum pick up head.

PS-AA/40S
HIGH LEVEL
PUSH-TYPE PALLETISER

Multifunction high level push-type palletiser for bags, bundles, boxes and cardboard boxes with vacuum pick up head for placing 3 to 6 kg bags into a case. Capacity: up to 2700 bags/hr.
The advanced mechanical, electronic and computer technology that the Concetti Group uses in an integrated way represents the true strength of our company - and helps to guarantee fast and efficient after sales servicing.

HOT-LINE

The hot-line is available to users in order to provide rapid technical advice that will help restore proper plant operation. Through the HOT LINE, customers can always make contact with the best person for solving problems or receiving general advice and assistance.

TELESERVICE

Using the latest technology together with the skills of our personnel, the Concetti Group can offer customers a remote supervisory and assistance service, permitting operating diagnostics and modifications to the machine control software by modem.
The presence of diagnostic software and display panels on each plant provide the operator with the means to quickly identify and resolve any problems.

REGULAR MAINTENANCE

Technicians from the Concetti Group of companies are available to provide routine maintenance on plants that are already in operation. Please contact us for more information on this service.

SPARE PARTS

The Concetti Group carries extensive stocks and guarantees a fast response to requests for any spare parts that may be needed. An office has been set up to manage customer contacts specifically for this purpose.

MONITORING OF THE LINE THROUGH IP CAMERAS

Streamlines and simplifies the hot-line assistance
WHAT OUR CUSTOMERS SAY

Jose Merino Jiménez, Site Logistic Manager at SOLVAY QUIMICA S.L.:
“I can say that Concetti machines are very reliable quality in weights and capacities of production. They are made with good materials in inox and with precision working.”

Markus Driess, Global Technical Manager at DSM Nutritional Products LTD.:
“Concetti is one of our key global suppliers when it comes to packaging machines. Especially the reliability of the machines is impressive. Projects are fulfilled to the agreed timelines and follow up service support is outstanding”.

Jeremy Evans, Plant Manager at HANSON:
“Concetti impressed us with a clear passion for a quality product and meticulous attention to detail in the early stages of tender, giving us the confidence to move forward with a previously unused manufacturer”.

Klaas van de Velde, Production Manager at REMIX DROGE MORTEL BV:
“Thanks to Concetti we are very successful in the market”.

Wolfgang Heim, Managing Director at BOSCH TIERNÄHRUNG GMBH:
“Very satisfied with the Concetti machines, the project development and the service”.

REFERENCES

CHEMICAL, PLASTIC, FERTILIZERS AND OTHER PRODUCTS

A. SCHULMAN PLASTICS, AKZO NOBEL, AMANDUS KAHL, ANOREL NV, ARDEX GROUP (CEMIX), BASF, BAYER, BERTRANS, BRUNNER MOND, CALDERYS GERMANY, CALGON CARBON, CEMIX, CHEMIRON, CELANERE (TICONA), CHEMTURA (GREAT LAKES CHEMICALS), CLARIANT, COLUMBIAN CARBON, COMPO, CONSTAB, COPERION, CRODA, DEGUSSA, DOW, DSM CHEMICALS, DUPONT, EKO ENERGY, ERCROS, ESO, FERRO, GERMAN PELLETS, GEZOLAN AG, HAIFA CHEMICALS, HANSON, HENKEN, HEXION SPECIALITY CHEMICALS, HOLCIM, HONEYWELL, INEOS - CHLOR VINYL, INSTARMAC, J.M. HUBER, J. RETTENMAIER & SÖHNE, JUBILANT INDUSTRIES, KALPENA, KATOEN NATIE, KEMIRA, KLI ORGANIC, KLK, KEPONG OLEOMAS, LAFARGE - PLR SVENSKA HÖGANAS, LINZER AGROTRADE, LONZA, MARAKUNDA, MOYZRALT, NIKOCHEM, NILIT PLASTICS EUROPE, NOVARTIS (CIBA), NUOVA SOCIO, OMNICOL, ODEBRECHT, OPTIROC, PROMAT, QUIKCRETE, REMIX DRY MORTAR (AGAR GROEP), RUSSALT, SASOL, SKW STICKSTOFFWERKE, SODA SANAYI AS, SOLVAY, TATA CHEMICALS, TESSENDERLO, TOTAL, TM PROGRESS, TRANSGRANADA, TRIFERTO, URALECH-ZOT BEREZNIKI, WESTBUILD PRODUCTS, XINJIANG TIANYE GROUP, YARA, ZHONGTAI, ZIRAX.

FEED GRAIN FOOD

AJINOMOTO, ALF ISSEN, AMALGAMATED SUGAR, AMYLUM, AVEVE, BAY STATE MILLING, BIOMIN, BOGDANOVICH, BOSCH TIERNÄHRUNG, BURGESS SUPAFEEDS, CAMBRIAN PET FOODS, CARGILL, CENTRE SEM, CIMBRIA, COFCO TUNHE CHONGZUO SUGAR INDUSTRY, DANISCO SUGAR, DIBAQ ITALIA, DODSON & HORREL, DOSSCHE MILLS, DOX-AL ITALIA, DSM NUTRITIONAL, EFFE EFFE, EWOS, F. URL & Co. FARMINA (RUSSO MANGIMI), GATCHINSKY, GHERA MANGIMI, GUITTARD CHOCOLATE, HAWAIIAN SUGAR COMPANY, JUBILANT AGRI, LATTERIA SORESINA, LEHMANN LINDMÜHLE, LESAFFRE - RED STAR, LIMAGRAIN, 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, ROURQUETTE, RUPP MÜHLE HÖRBRANZ, RWA LINZ, SENSIENT TECHNOLOGIES, S.I.S. SOCIETA' ITALIANA SEMENTI, SKRETTING AS, SOLAN KRAFTFUTTERWERK, SOUSS CEREALES, ST. PETERSBURG MILL, STANDELL HAY, STO POSTO, SÜDZUCKER, SÜZhou JIAHE FOODS, SYNGENTA, TATE & LYLE - AMYLUM, THE HAWAIIAN SUGAR COMPANY, T.I.G.E.M., TROUW, UNSER LAGERHAUS WHG, VITAL, WENHUI FOOD INDUSTRY, ZERNOPRODUCT, ZHENJIANG Nanhua SUGAR CO.
Preparation is always the key to a successful project