



CONCETTI **GROUP**

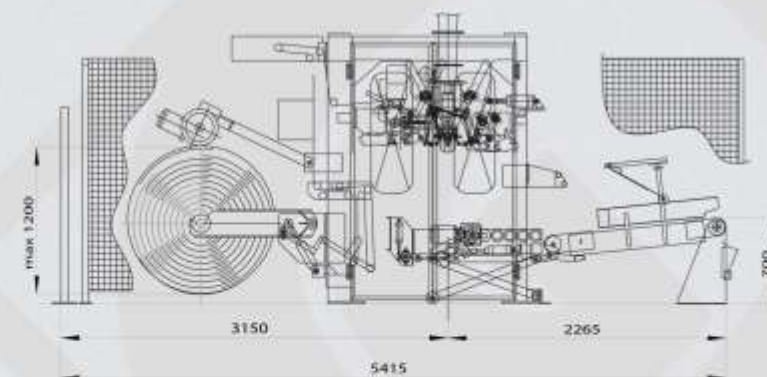
Filling, Closing & Palletising Systems

Company and Product Presentation

May 2010

INDEX

<input type="checkbox"/> GROUP PROFILE	2
<input type="checkbox"/> THE GROUP IN FIGURES	3
<input type="checkbox"/> OUR PHILOSOPHY	4
<input type="checkbox"/> QUALITY AND CUSTOMER SATISFACTION	5
<input type="checkbox"/> REPEAT CUSTOMERS	6
<input type="checkbox"/> RECENT REFERENCES	7
<input type="checkbox"/> PRODUCT LINE	8
•WEIGHING SYSTEMS	9
•IPF™	10
•IMF™	11
•IGF™	12
•IGF+FFS™	13
•CAROUSEL™	14
•CONTINUA FFS™	15
•FFS-E™	16
•PUSH-TYPE PALLETISERS	17
•ROBOT PALLETISERS	18
•BIG-BAG	19
•OPTIONS FOR LINE WORK PROCESS	20
•END-OF-LINE PALLET PACKAGING	21
•TURN-KEY SYSTEMS	22
•RECENT DEVELOPMENTS	23
•WORKABLE PRODUCTS	24
<input type="checkbox"/> TECHNICAL ASSISTANCE	25
<input type="checkbox"/> SALES NETWORK	26
<input type="checkbox"/> WHY THEN CHOOSING CONCETTI?	27



GROUP PROFILE

The **CONCETTI Group**, which has manufactured **packaging machinery on an industrial scale for the last 35 years**, boasts of a **family tradition** in the mechanical field that dates to **1918**, when the grandfather of the current heads of the company opened a shop where he started to make agricultural equipment.

The **CONCETTI Group** is made up of **two sister-companies** that constitute different **machine production divisions**:



Concetti S.p.A.
founded in 1975

Specializing in:

- open mouth bagging machines
- FFS machines,
- robotic palletisers



C.B.C. s.r.l.
founded in 1980

Specializing in:

- weighers,
- big-bag (IBC) filling machines
- push-type palletisers

THE GROUP IN FIGURES

- Established in **1975** – Family-owned activity since 1918
- Capital: 1,352 Million Euros
- Yearly Group Turnover: **25 Million Euros**
- Employees: **150**
Among them:
 - 34 electronical/ mechanical engineers
 - 6 engineers dedicated the technical documentation
 - 40 specialized technicians for assembly and technical assistance
- Group premises: in Bastia Umbra, Italy. 11,200 sqm covered surface (factory 8.800 sqm, offices 2.400 sqm)
- More than **1450 lines** installed in **45 countries**
- 25 sales representatives worldwide



OUR PHILOSOPHY

Our philosophy lies in the experienced hands of our technicians and in the sharp minds of our engineers.

We take pride in providing high-quality, state-of-the-art equipment tailored to the specific needs of our customers.

We build automatic machines using only high-quality components.

We dedicate all efforts to our customers throughout each single project phase: preventive study, engineering of the turn-key packaging line, assembly, start-up, commissioning, performance test, operators training, documentation. We guarantee continuous assistance and spare parts for a long working life of our equipment.

We are committed to the well-being of our employees and their families. We support the local community and respect the environment.

QUALITY



The companies belonging to the CONCETTI Group have been accredited with the quality standard *UNI EN ISO 9001 ed. 2008*.

We have made customer satisfaction our top priority: this is proven by our numerous customers in Italy and abroad.



CUSTOMER SATISFATION: REPEAT CUSTOMERS

The Concetti reference list shows many **repeat customers** – testament to the performance and reliability that users find in CONCETTI products.

- **1** customer has purchased **42** installations
- **1** customer has purchased **16** installations
- **1** customer has purchased **14** installations
- **2** customers have purchased **11** installations each
- **3** customers have purchased **10** installations each
- **4** customers have purchased **9** installations each
- **5** customers have purchased **8** installations each
- **5** customers have purchased **7** installations each
- **8** customers have purchased **6** installations each
- **18** customers have purchased **5** installations each



RECENT REFERENCES

Nowadays, the CONCETTI Group boasts over 1450 systems installed in 45 countries and exports about 70% of its equipment.

A. SCHULMAN PLASTICS
AJINOMOTO
AKZO NOBEL
AMEREN
ANOREL NV
BASF
BAYER
BOSCH TIERNÄHRUNG
BRUNNER MOND
CALDERYS GERMANY
CARGILL ANIMAL NUTRITION
CELANESE (TICONA)
CERERE
CHEMTURA
(GREAT LAKES CHEMICALS)
CLARIANT
COLOROBIA
K PLUS S Española S.L.
COPERION
CRODA
DANISCO
DEGUSSA
DOW CHEMICAL
DSM CHEMICALS

DUPONT
ERCROS
ESCO
FERRO
HAIFA CHEMICALS
HANSON
HENKEL
HEXION SPECIALTY CHEMICALS
HONEYWELL
INEOS - CHLOR VINYL
INSTARMAC
JOSERA
J. RETTENMAIER & SOEHNE
KATOEN NATIE
KEMIRA
LAFARGE - PLR SVENSKA
HÖGANÄS
LESAFFRE - RED STAR
LONZA
MONSANTO
NFT
NOVARTIS (CIBA)
NOVA FOODS
NUTRECO
OPTIROC

PIONEER HI-BRED
PLASTIKA KRITIS
PROVIMI
REMIX DRY MORTAR (AGAR GROEP)
SASOL
SODA SANAYII AS
SOLAN KRAFTFUTTERWERK
SOLUTIA UK (FLEXIS)
SOLVAY
SUZHOU JIAHE FOODS
SYNGENTA
TATA CHEMICALS
TATE & LYLE - AMYLUM
TESSENDERLO
TOTAL
TRANSGRANADA
TROUW
URALCHEM-AZOT BEREZNIKI
VINYTHAI LTD
VITAL
XINJIANG TIANYE GROUP
YARA
ZIRAX

PRODUCT LINE

The **CONCETTI Group** equipment and systems can be divided into the following categories:

WEIGHING SYSTEMS

Production up to 1800 weighments/h

IPF™

small size bagging systems

Production up to 2000 bags/h

IMF™

medium size bagging systems

Production up to 1800 bags/h

IGF™

large size bagging systems

Production up to 1500 bags/h

FFS CONTINUA™

bagging systems that forms, fills, and seals bags from a a PE-tubular reel

Production up to 2000 bags/h

IGF+FFS™

IGF for the filling of pre-made bags with a special device to make bags from a PE-tubular reel

Production up to 1200 bags/h

CAROUSEL™

Six station carousel systems

Production up to 1200 bags/h

HIGH LEVEL PALLETISERS

Production up to 2400 bags/h

LOW LEVEL PALLETISERS

Production up to 1000 bags/h

ROBOT PALLETISERS

Production up to 1200 bags/h

BIG BAG FILLING SYSTEMS

Production up to 150 big bags/hour

WEIGHING SYSTEMS

The **Concetti Group** dedicates to the weighing process a company division: **C.B.C.**

C.B.C. offers **GROSS** and **NET** weighing systems depending on the production requirements, using different **feeding systems** or combination of feeding systems according to the product(s) to work:

GRAVITY
BELT
SCREW
VIBRATING TROUGH



IPF™

Fully automatic, high speed bagging system with single or double bagging spout .

Bag size: 1-10 kg.

Suitable for preformed, open mouth bags of different materials: paper, PET, PE, etc.

Bag closure by sealing or stitching.

Production up to 2000 bags/h.



IMF™

Fully automatic, high speed bagging system with double bagging spout .

Bag size: 2 - 25 kg.

Suitable for preformed, open mouth bags made of different materials.

Bag closure by sealing or stitching.

Production up to 1800 bags/h



IGF™

Fully automatic, high speed, bagging system.

Suitable for preformed, open mouth bags of different materials: paper, PE, woven-PP, cloth, etc.

Bag size: 2 - 50 kg.

Bag closure by stitching, sealing, pinch-top closing, etc.

Production up to 1500 bags/h



IGF+FFS™

Fully automatic, high speed bagging line.

The system combines an IGF™ with a bag forming device to make bags out of a PE-tubular reel.

Bag size: 2-50 kg.

Various bag closures available.

Production: up to 1200 bags/h



CAROUSEL™

Fully automatic, high speed bagging machine for open mouth bags

CARUSEL™ is equipped with six bagging stations, one for bag presentation with an automatic bag pick-up unit, one for bag filling, two intermediate positions for deaeration or bag vibration, and a station to remove the full bag and forward it to the closing line.

Production: up to 1200 bags/h



CONTINUA FFS™

Fully automatic, high-speed bagging system for handling both granular/ free-flowing products, and dusty/ non free-flowing products.

The FFS technology allows to fill bags made from a PE-tubular reel (5 - 50 kg).

Production up to 1800 bags/h.



FFS-E™

New generation of Form-Fill-Seal technology.

Fully automatic, high speed bagging system for both granular and powdery products.

Bag range: 5-50 kg.

Production up to 2000 bags/h.



NEW !!!

PUSH-TYPE PALLETISERS

C.B.C designs and produces high speed, push-type palletisers

Suitable for full and stable bags with a well-defined shape.

Depending on the pattern on the pallet and the number of layers, it is possible to reach
The following capacities:

5 bags/layer: up to 2400 bags/h

7 bags/layer: up to 2550 bags/h

6 bags/layer: up to 2850 bags/h



ROBOT PALLETISERS

The robot palletisers feature a gripper that picks up one bag at a time from the service roller conveyor and places it at a point assigned by the program.

Suitable for
any kind of bag

Single-column robot
Palletiser



Anthropomorphic
palletiser

BIG-BAG



C.B.C. offers **GROSS** and **NET** big bag/IBC fillers, featuring various type of feeding systems (**gravity, belt, screw**) to work with virtually any type of product: powders, pellets, chemicals, food products. All models are suitable for big bags/ IBCs of **various sizes and types** and can also be used for boxes or other types of containers (**octabins**).





OPTIONS FOR LINE WORK PROCESS

Transport Systems

As producers of “turn-key” installations, we also feature lines for the movement of bags by means of belt conveyors, on which one can install different accessories (for instance ink jet printers). It is also possible to detect possible weighing errors or contaminated bags by means of check weighers and metal detectors, and possibly to reject them outside the line.



Conveyor with bent roller

Gathering conveyor

Elevation belt



Ink-jet printer for printing on the sides of the filled bag.



Check weigher for the filled bags.



Metal detector and roller system for the bag rejection.



END-OF-LINE PALLET PACKAGING

The most common techniques to protect the full pallet are:

STRETCH HOOD MACHINE

This machine applies a flexible film hood onto the full pallet. The film hood is stretched to a dimension matching the exact outer circumference of the full pallet and is applied over the load and released underneath the pallet. This ensures a reliable hold between the pallet and the load, and secures the pallet for storage and transport.



WRAPPING MACHINE

The wrapping machines allow to wrap the full pallets with stretch film in order to facilitate their transport.

The new generation of wrapping machines can effect a wrapping system using film pre-stretch system controlled by a tacho generator, guaranteeing pre-stretching to 400%.



TURN-KEY SYSTEMS



The CONCETTI Group is one of the few companies able to supply complete turn-key bagging lines.

Our customers have only one partner for the whole bagging process.

All CONCETTI machines are fully self-adjustable.

**AUTOMATIC
CHANGEOVER
FOR THE WHOLE LINE**

When the single units are integrated into a system, changeover from one programme to the other is made from one operator panel for the whole line.

The maximum time required for the format change varies from 30 to 120 seconds **without the use of any tools.**

RECENT DEVELOPMENTS



Patented, integrated, on-line reclosable **zip applicator for ordinary plastic bags** without the need to buy expensive pre-formed zip bags. It can be used on both open-mouth baggers and on our FFS machines.



Integrated, on-line **Pinch-Top closing station** (closing by reactivating a pre-applied line of hot melt adhesive on the mouth flap) for a tight and strong bag closure of paper bags.



Patented an automatic system **for automatically tying the big bags** mouth when it comes to treating very toxic products, allowing to close the big bag without any intervention by the operator.

SOME WORKABLE PRODUCTS

ACID POWDER	PESTICIDES	SODIUM BISULFATE
ADHESIVE POWDER	PET FOOD	SODIUM BISULFITE
ANIMAL FEED	PHOSPHATE	STARCH
ASPHALT	PIGMENTS	STRONTIUM CARBONATE
BARIUM CARBONATE	PLASTER	SUGAR
CALCIUM CARBONATE	POLYALUMINUM CHLORIDE	SURFUR
CALCIUM CHLORIDE	POLYMERS	TARTARIC ACID
CALCIUM CYANAMIDE	POTTING SOIL	TETRA HYDRO PHTALIC ANHYDRIDE
CAPROLACTAM	PVC EMULSION	TRIPOLYPHOSPHATE
CAT LITTER	PVC SUSPENSION	UREA
CAUSTIC POTASH	QUARTZ	VITAMINS
CAUSTIC SODA	REFRACTORY POWDER	WOOD PELLETS-POWDER
CEMENT	RESINS	YEAST
CERAMIC FRITS	RICE	ZINC OXIDE
CEREALS	RUBBER CHIPS	
CHOCOLATE CHIPS	SALT	
COAL	SAND	
CONCRETE MIX	SEEDS	
PEAT	SODA LIGHT-DENSE	
PE-PP-PVC PELLETS	SODIUM BISULFATE	

TECHNICAL ASSISTANCE

CONCETTI has a technical staff of **40 engineers** and **40 technicians** who can guarantee faultless operation over the years. CONCETTI technical assistance features:

Hot-Line: during the opening hours, a direct phone line is at the customers' disposal for any emergency call. CONCETTI skilled service engineers rely not only on their experience but on a comprehensive **trouble-shooting database**.

Teleservice: the Concetti Group offers its customers an on-demand **remote connection** which allows to execute operating diagnostics and any possible updating on the machine control software.

Regular Maintenance: scheduled, precautionary analysis and maintenance on the installed plants.

Spare Parts: with its comprehensive, **fully automatic storehouse**, the Concetti Group can quickly supply both the original spare parts and/or tested and pre-assembled pieces of equipment. Thanks to its documentary computerized data-base this service can be also useful for the out-of-production machine.

In 2009 around 70% of all faults were solved by phone, 10% by teleservice, 15% by sending spare parts, while only 3% needed an intervention.



SALES NETWORK

EUROPE

Austria
Belgium
Belarus
Czech Republic
Finland
France
Germany
Greece
Holland
Italy
Luxembourg
Montenegro
Poland
Portugal
Serbia
Slovak Republic
Spain
Sweden
Switzerland
Turkey
Ukraine
U. K.

OVERSEAS

Argentina
Brasil
Canada
China
Chile
Colombia
India
Malaysia
Mexico
Singapore
Thailand
U.S.A.

All representatives provide local after-sales service.



WHY THEN CHOOSING CONCETTI?

- EXPERIENCE
- QUALITY
- REPEAT CUSTOMERS
- HOT-LINE
- TOP QUALITY COMPONENTS THROUGHOUT
- COMPREHENSIVE SUPPORT DOCUMENTATION
- SINGLE SOURCE



... BECAUSE WE FILL YOUR PRODUCTS WITH EXCELLENCE