



PACKAGING SOLUTION FOR CEMENT & CONCRETE MIXING

PACKAGING SOLUTIONS

COMPANY



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.

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.



GROSS B/C

GROSS WEIGHING AND FILLING STATION FOR BIG BAGS, WITH SCREW FEEDER



The Big Bag filling concept for fine powders filling provides separation of the various cycles of: bag filling, product settling /compaction and closure.

How it work:

In the first station the big bag is positioned underneath the filling spout and is filled by the feeding device, a screw feeder.

At the end of the bag fill cycle, sliding forks transfer the big bag to an adjacent station for bag settling and vibration.

(At the same time, the operator positions the next empty bag onto the filling spout for filling).

Finally, the big bag reaches a third vibrating and settling station provided by large clamps.

Capacity up to 30 big-bag/hr (1500 Kg)

Supplied with a fully automatic empty pallet dispenser and accumulating exit roller conveyors.



NET/CC

NET WEIGHER WITH DOUBLE SCREW



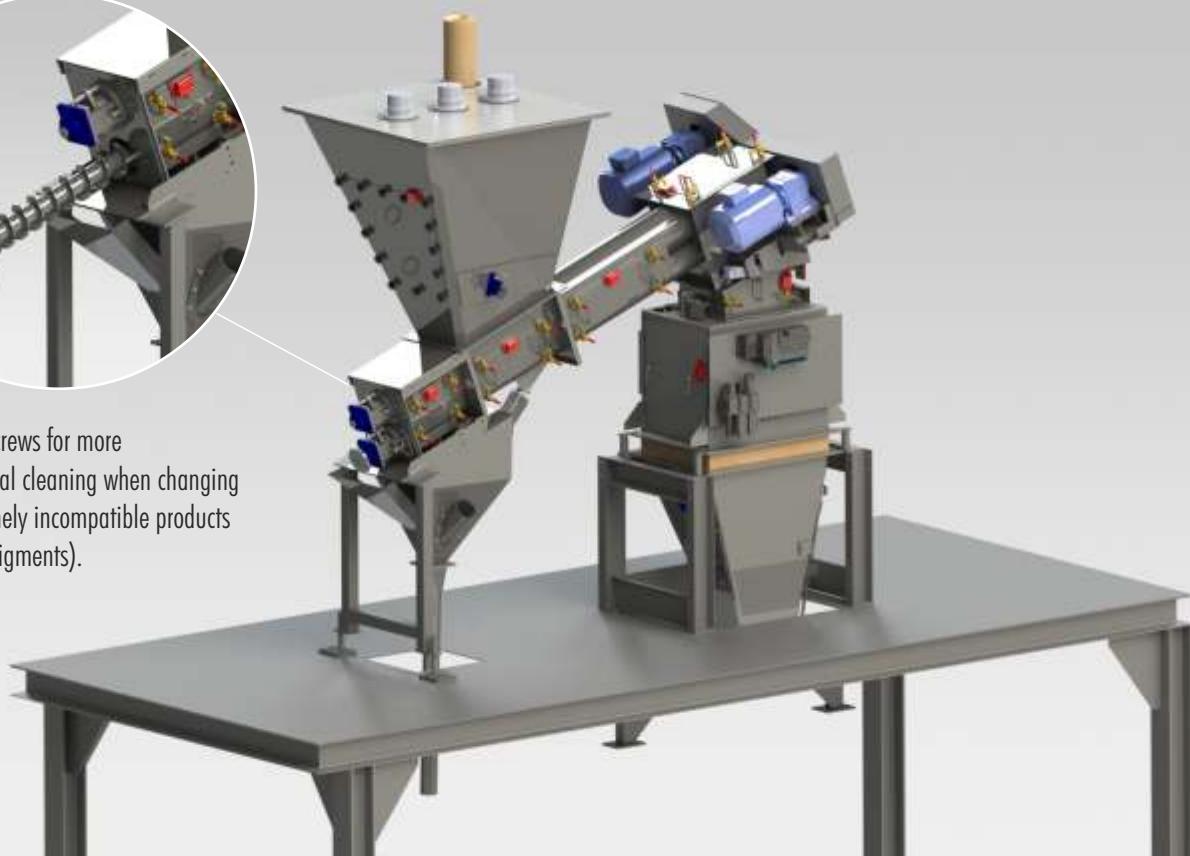
✓ No dust,
clean safe environment

✓ Quick product
changeover



Optional

quick release screws for more thorough manual cleaning when changing between extremely incompatible products (eg for colour pigments).



SPECIAL FEATURES

Capacity up to 900 weighments/hr

Net weigher with double screw-fed system

This feed system is designed for powdery products that can be very aerated.

Screw feeder

Two metering screws: one larger for main feed, one smaller for dribble feed. Wide openings allow easy inspection and cleaning.

Cleaning

Featuring quick release inspection doors on the weigher pan and on the screws, for easy cleaning and inspection on all the system. Reverse motion of screws allows residual product discharge.

Overlapped screws

Minimal residual product for quick changeover.

Long life

All parts that are in contact with the product are manufactured with surface treated steel for greater resistance to wear and tear. The feed screw in particular, is manufactured in special high-thickness steel.

High accuracy

Inverter controlled drive motors on both main and dribble screws.



IMF

DOUBLE SPOUT FILLING AND BAGGING MACHINE FOR PRE-MADE BAGS

No dust,
clean safe environment

No spillage
no clean up required



Capacity up to 1000 bags/hr (5-20 Kg)

SPECIAL FEATURES

Versatility

handles flat or gusseted pre-made open-mouth PE bags, paper, WPP.

Multiclosure

- Sewing.
- Fold-over and sewing.
- Sewing with crêpe tape.
- Heat sealing of a PE inner liner and sewing of the paper sack outer.
- Pinch closing (by means of reactivating a pre-applied line of hot melt adhesive on the mouth flap).
- Single or double fold-over and closing with hot melt.

Combinations of all the above closing systems in one single closing line.

CONTINUA FFS FORM FILL SEAL MACHINE



Automatic bagging machine designed to form, fill and Heat seal polyethylene bags made from reel-wound tubular "PE".

Weatherproof packaging

Compact

Safe and clean



CONTINUA FFS WITH SIX LINEAR BAGGING POSITIONS

Specifically designed for handling fine premix and pure cement into hermetic PE bags

Capacity up to 800 bags/hr (500 with hermetic bag)

ADVANTAGES OF WEATHER PROOF PE BAG:

- Safe and reliable outdoor storage on pallets
- Effective moisture barrier properties allow products to be stored for longer (typically from 61 days with paper up to 270 days)
- The extremely strong film is easily filled, resists tearing or bursting and allows for optimised stacking
- Efficient venting simplifies transport
- The bag can be designed as required and is very low weight
- All-round Flexographic printing in up to eight colours possible with water- or solvent-based inks
- Lamination with printed images possible
- High recognition and branding opportunities
- The bag is easily recycled after use
- A sustainable solution: environmentally friendly and cost-efficient
- Lower personnel costs
- Less material damage and loss
- Perfect stacking on pallets
- With the K-Seal (corner welding), square shaped bags, similar to valve type can be produced



OPTIONAL DEVICE

The technology developed by the Concetti group, allows optimum filling of powder products into PE bags with the following devices.

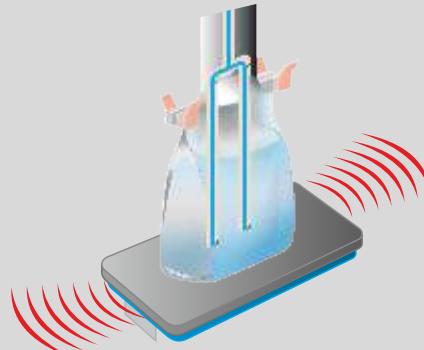
DE-AERATION PROBES

The de-aeration probes provides a combined solution for reducing trapped air in the product and reducing its volume in the bag.



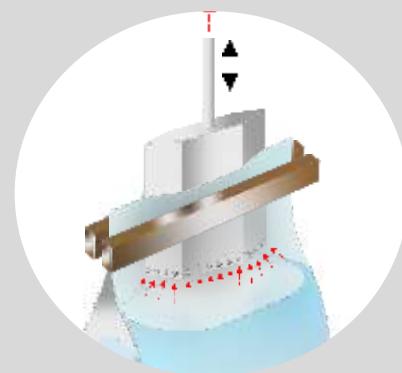
VIBRATING PLATFORM

Used to compact the product in the bag.



EXTRACTION OF THE AIR FROM THE BAGS

Integrated before the bag top heatseal and used to reduce the air trapped in the bag ullage (space between the top of product and bag mouth).

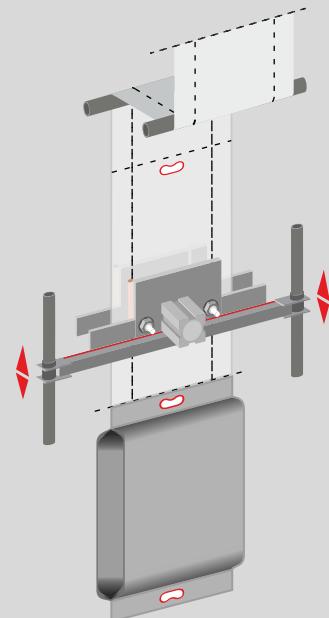


OPTIONAL DEVICE

The Concetti Group is committed to provide bag that are easier to handle, stable and pleasant, with the following devices.

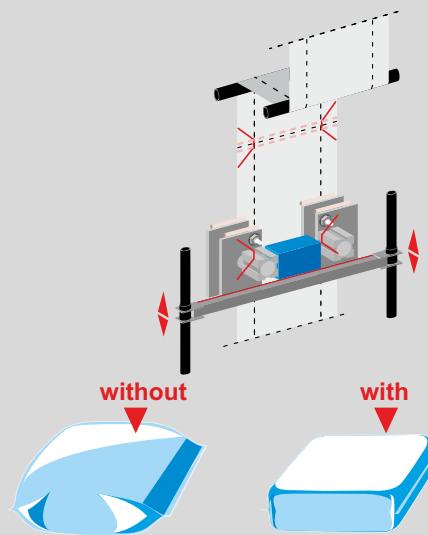
BAGS WITH HANDLES

Double-handled bags, produced with the CONCETTI CONTINUA FFS machine.
One or two handles available.



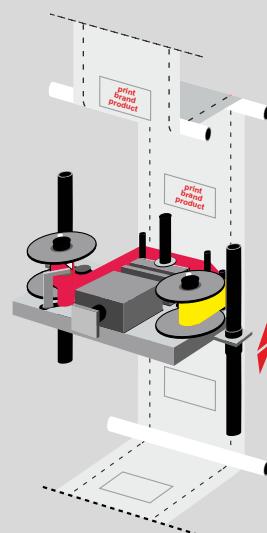
CORNER SEALING

For a more geometric shape, and better looks on the pallet. With the K-Seal (corner welding), square shaped bags, similar to valve type can be produced.



THERMAL PRINTING DEVICE TO CUSTOMIZE IDENTIFY / CODE

Used to customize the PE Bag, identify the product, etc.





PALLETISERS

The technology developed by the Concetti Group allows our palletisers to form stable and secure pallets with a perfect shape.



PUSH-TYPE PALLETISERS

The Concetti Group designs and manufactures high speed, push-type palletisers suitable for full and lateral squaring and top compaction to produce a well-defined shape.

Depending on the pattern, the pallet and the number of layers, it is possible to reach the capacity **up to 2850 bags/hr**



TWO IN ONE ROBOT PALLETISER

The two in one robot palletiser features a gripper that picks bags from a single roller conveyor and deposits them onto two platforms with motorised side and top layer squaring. Designed to palletise two different product lines simultaneously according to given parameters and a bag detection system.

Suitable for any kind of bag. Capable of a **top speed of 1000 bags/hr** according to the bag size and the layer pattern.



BAG PRESS

Bag flattening and conditioning.

TURN-KEY BAGGING LINES

CONCETTI: ONE SUPPLIER FOR THE WHOLE PACKAGING PROCESS

✓ No dust,
clean safe environment

✓ No spillage
no clean up required

On all Concetti machines, the fully automatic changeover from one bag program to the next is made through the PLC and operator panel in just 90 seconds without the use of any tools. This rapid switchover results in higher average outputs when compared to machines that may have higher outright speeds, but require extended downtime between products, sometimes involving several change parts and lengthy set-ups.



ADVANTAGES

- Program selection from one single remote control panel - operates the complete line.
- 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.



WHAT OUR CUSTOMERS SAY

Jeremy Evans, plant manager at HANSON:

"We chose Concetti as we were impressed by their ability to demonstrate physically an ability to supply exactly what we had specified. 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:
"First of all I'd like to thank the Concetti company for the Professional way of solving our problems. Thanks to Concetti we are very successful in our market. Our machine is running very well and our customers are very happy with the product".

Tony Parlapiano, sales manager at WESTBUILD:

"Westbuild likes to offer customers innovative solutions and value for money. By using PE sacks sealed against moisture and extending the product shelf life we were able to do both and, of course, we were aware that PE packaging of dry cementitious materials was becoming the accepted norm in Europe. Being able to store the pallets outside is a big advantage for our distributors and for us. People might think it's always dry and sunny in Western Australia but we get our fair share of wet weather in Perth and keeping cement based products dry is just as important as anywhere in Europe. And because there's no leakage the pack is much cleaner to handle, which helps both our DIY and professional users."

www.concetti.com



leZucche 12/2014



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