



Bouillon line solution

Delivering high-quality cubes and tablets with maximum reliability, safety and efficiency

Helping you design, deploy and operate the complete bouillon line

To a greater degree than other compacting and packaging processes, a successful bouillon line is driven by a deep understanding of the interactions between recipe formulation, powder preparation, compacting, packaging.

Successful bouillon compacting and packaging requires a broad range of technologies, expertise and services that Bonals Technologies and its partners uniquely offer.

Our comprehensive turnkey solution for compressing and packaging bouillon cubes or tablets promises to address your main concerns:

- Disorderly discharge of the products after the compacting process,
- Accumulation and subsequent complex separation of the product flow before the packaging process,
- An overall synchronized process.



Technology is at the core of our business.

For over 110 years we have invested a significant proportion of our turnover in research and development.

As a result, we and our partners offer you one of the most advanced range of medium and high-speed bouillon solutions on the market.



High performance

Overall equipment effectiveness (OEE) rate of 98% even in challenging conditions, and reduced maintenance cost by 30%



Innovative configurations

Optimized solutions combined with versatile range of equipment and accessories to match line speed, and packaging format.



Interoperability

Easy integration with third party production equipment and accessories within the primary and secondary packaging



User-friendly experience

Intuitive touch screen interfaces to minimize operator training and human errors



Innovative recipe expertise

Inventive recipe and powder formulation, preparation and mixing to maximize cost efficiency and final customer satisfaction



Extended worldwide service

Quick, easy and consistent service throughout the entire solution life cycle, wherever you need it

Offering reduced footprint, optimal throughput and maximum return on investment



1. Recipe Formulation

We support you in developing the best bouillon recipe to maximize your equipment efficiency, optimize your cost, and overall satisfy your end-consumer expectations and needs.



YOUR CHALLENGES

- Food regulation and restriction
- Respect for flavor and customer eating habits
- Ingredient selection and supply



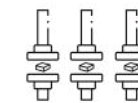
2. Powder Preparation

We adapt the mixing solution to your powder specificities and provide optimal connection with the tableting machine. A maturation step can be required by your product to cool down the powder.



YOUR CHALLENGES

- Mixing process
- Maturation process
- Fat injection



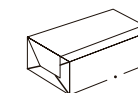
3. Compacting

We offer rotative press solutions adapted to your powder and production rate target, including CAPEX and OPEX optimization, from medium-to-high speed processing capacity.



YOUR CHALLENGES

- Powder flowability and granulometry
- Press area temperature
- Press condition and maintenance



4. Wrapping

We help you select the most suitable wrapping and packaging solution, thanks to our long-lasting partnerships with world-class wrapping and packing equipment suppliers.



YOUR CHALLENGES

- Cube or tablet hardness
- Connection with press machine
- Wrapping material cost

Best-in-class equipment performance across the range, from medium-to-high speed bouillon lines



1. Recipe formulation

From concept explorations to producing commercial tablets, our Innovation Center helps you develop your own bouillon recipe, find the best ingredients mix, and test it to address the needs of more and more demanding customers for gluten-free products, other flavors, lower in sodium and free from added flavor and MSG. Controlling the formulation of your recipe highly reduces your time-to-market and contributes to your overall line efficiency. In fact, apart from the temperature and humidity, the quality of ingredients is key. Fat with low melting point could require more frequent cleaning, also caused by dehydrated vegetables, meat stock, fat, MSG, salt, and seasonings.



2. Powder Preparation

We adapt the mixing solution to your powder specificities and optimal connection to the compaction machine. A maturation step can be required by your product to cool down the powder. The complete range of batch-type Horizontal Turbulence Mixers (MHT) is designed to mix solids and fat together. For better flowing the screw conveyor combined with the G-series granulators turn heterogenous solid product into homogenous granules.

MIXING, GRANULATING, AND FEEDING EQUIPMENT

MHT



Designed to mix solids and fat together, for intensive and swift batches, the plough type blades creating turbulences when rotating at high speed.

Output
From 2.5 to 6 batches/h*

G-SERIE



Designed to turn heterogenous solid product into homogenous granules for better flowing and direct use or compaction.

Output
From 200 kg to 1,800 kg/h*

SCREW CONVEYOR



Vertical or horizontal press feeding for continuous dosing applications of powders and granules with absolute safety.

Output
Up to 600 kg/h*

*output depends on powder and operation conditions



3. Compacting

Our innovative rotary press range, from medium-to-high speed, helps you deliver high quality cubes and tablets with maximum efficiency from any challenging powders. Thanks to the adapted compression load, reduced power waste – punches being cleaned after ejection, and optimal connection to any wrapping machines enabling a gentle product handling. The HMI offers simple and intuitive control to ease operations, minimize human errors while optimizing maintenance and operator training.

MEDIUM-SPEED LINE

P20 | 16 Stations



Suited for entry-level players looking for reliable and easy-to-operate bouillon press.

Output
Up to 600 tabs/min*
Up to 800 cubes/min*

HIGH-SPEED LINE

P40 | 24 Stations



Dedicated compression technology for challenging environments.

Output
Up to 800 tabs/min*
Up to 2,000 cubes/min*

M40D | 48 Stations



Increased compaction throughput with the double turret technology.

Output
Up to 1,600 tabs/min*
Up to 4,000 cubes/min*



4. Wrapping

We partner with Sapal and Theegarten-Pactec wrapping solutions to complete the full bouillon line. Combined with our P20 press, Sapal offers the DBD 0500 and 0600, single format machines with twin wrapping head, three-side heat seal. For higher wrapping output rates, we enable direct connection between our P40 press and the Theegarten-Pactec BCW-ECO, and our M40D with the Theegarten-Pactec BCW3, both with simultaneous feeding and wrapping twin-lane execution.

MEDIUM-SPEED LINE

DBD 0500 and 0600



Output
Up to 500 tabs/min*
Up to 600 cubes/min*

*output depends on powder and operation conditions

HIGH-SPEED LINE

BCW-ECO



Output
Up to 750 tabs/min*

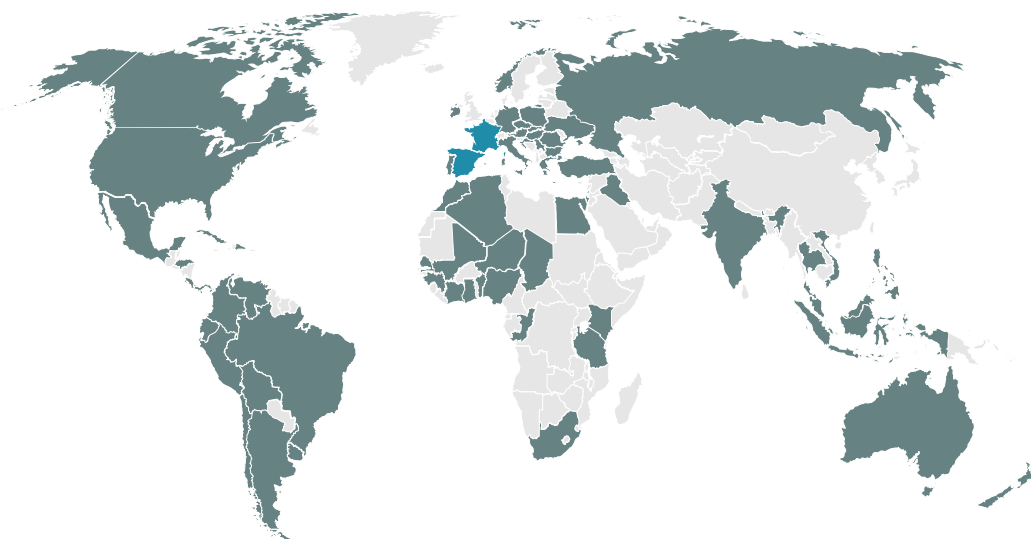
BCW3



Output
Up to 1,400 tabs/min*
Up to 1,700 cubes/min*

About Bonals Technologies

Bonals Technologies is a compacting technology leader serving customers globally in Food & Beverage, Homecare, and Chemicals. With more than a 110-year history of innovation, Bonals Technologies provides sustainable and comprehensive solutions for manufacturing and packing powders, granulates, pellets, and tablets. Bonals Technologies operates in more than 50 countries world-wide with more than 50 employees.



International Sales

90%

Turnover in R&D

10%

Installed Base

5,000+

Country Reach

50+

When acquiring a complete bouillon line solutions from Bonals Technologies and its partners, you gain access to an extensive range of after-sales services. From a single spare part to complete service packages, tailored to your specific needs, Bonals Technologies and its partners can assist you in achieving maximum output and minimum downtime.

For more information, please contact us

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