

SeamTec™ Seamer for Powder



When powder is your priority



Infant Formula & Milk Powder



Coffee, Tea & Cocoa Powder



Sports & Dietary Supplements Powder



Designed to meet the requirements of the powder industry

✓ Food Safety

Continuous improvement, driven by customer feedback, is key for reaching the highest levels of food safety. The JBT SeamTec™ seamer has been thoroughly tested in more than one hundred production lines and we've applied our learnings in order to provide machine that meets the highest sanitary demands while producing the highest end-product quality at the lowest operational cost.

✓ Hygienic Design

The SeamTec seamer fully meets today's requirements of the powder industry: superior hygienic design, no exposed lubricants, no powder spillage, gentle can handling and quick change-over.

✓ Cleanability

This well-thought range of seamers was conceived to ensure that the new SeamTec seamer design could be fitted perfectly into the existing powder packaging lines.

✓ Throughput



No powder spillage

The stopping lifters of the SeamTec seamer prevent rotation of the can when there is no cover on the can. Rotation only begins once a cover is pressed on the can. By doing this the SeamTec seamer avoids powder spillage and powder bridging through the seam.

Gentle can handling

The SeamTec seamer provides gentle can in-feed and transfer. A synchronized can stop turret made of a flexible synthetic material and an in-feed scroll prevent denting and powder spillage. The hard-chromed can-guiding parts avoid scratches on lithographed cans.

- In 6-spindle execution, seaming occurs at slow rotation further reducing the risk of powder spillage and can damage.

Quick change-over

- An important operational benefit of the SeamTec seamer is a quick can and cover format change-over. There is no need to change the separate rolls. The lower seaming arm assembly can be changed quickly without disassembly.
- All can and cover handling parts are color-marked and match the HMI on-screen settings.
- All format change parts and tooling are equipped with locating pins to allow quick and fail-safe change-over.
- Finally, an **optional** motorized can height adjustment module will further increase machine uptime.



Superior hygienic design

- Key inspection points have been made as visible as possible by transparent upper and lower guarding and optional LED-lighting, allowing a higher level of inspection.
- Upper and lower guarding is equipped with large doors, facilitating access and easy vacuum cleaning.
- Guarding and frame parts receive a ViwateQ™ stainless steel surface treatment to reduce the adhesion of powder and provide the lowest surface roughness.
- Integral welded supporting structure of the guarding significantly reduces hollow bodies, dead crevices and minimizes the use of fasteners in the open can area.
- Electrical terminal cabinet is equipped with an integrated and equipped with a hygienic-design sealed door.
- External single-layer cable ducting in off-set vertical cable trays facilitates exterior cleaning.



No exposed lubricants

- Designed with a completely closed oil lubrication system for the seaming head. This system captures the currently used oil, filters it and sends it back to the seaming head. The lifter table is equipped with dry, non-lubricated lifters.
- Unique dry spindle and knock-out design prevents oil leakage above the open can. The seaming rolls, with ceramic bearings, are automatically lubricated in perfect dosage by unexposed greasing nozzles.
- Cans transfer to the lifter by means of an in-feed scroll instead of a lubricated in-feed chain.

Foreign particle prevention

An optional foreign particle prevention system minimizes the generation of foreign particles during the seaming operation and prevents particles from falling into open cans.











Machine Configurations

Six spindle design

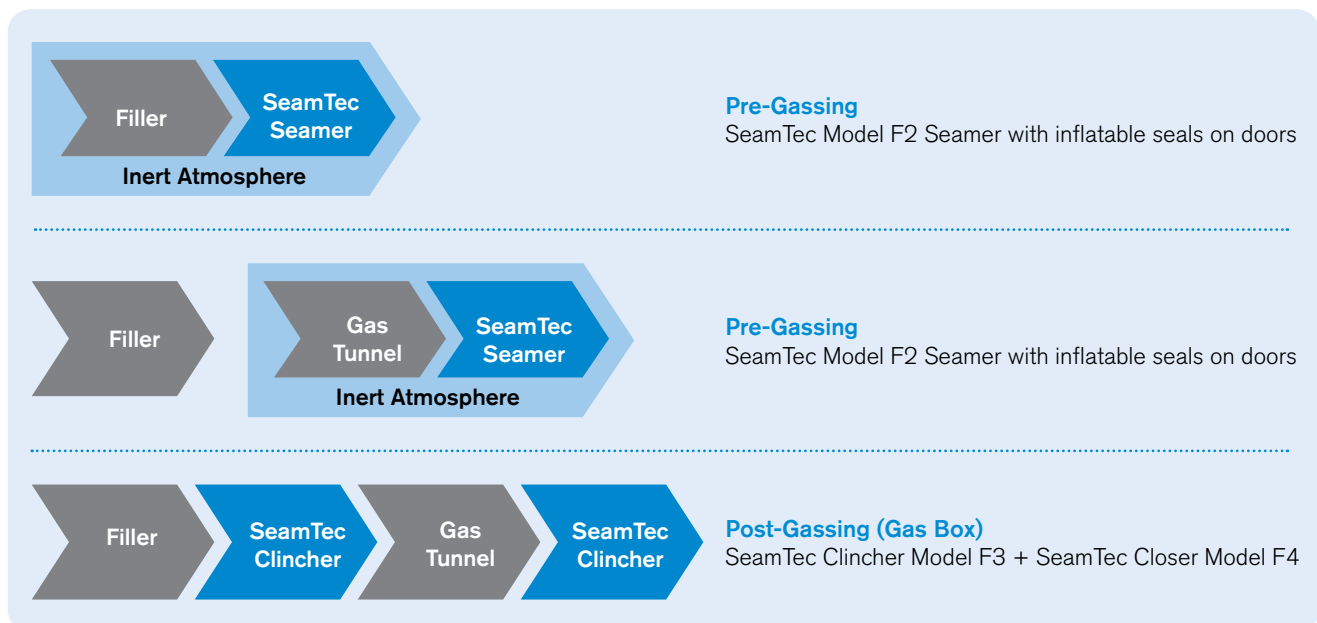
JBT's unique 6-head design (ST206) is a state-of-the-art seamer that can run up to Ø127 cans on all 6 seaming heads at speeds up to 420 cans/minute (25.200 cph). The ST206 allows high operating speed with consistent seaming quality. When used at lower line speeds, the slow running seamer implies gentle can handling, reduced maintenance and thus, higher reliability and uptime.

The Combi (2x3) execution

The **Combi** variant of the ST206 is fitted with a seaming head pre-set for two can diameters (3 + 3). As a result, no change-over is required for the essential machine parts. A unique feature truly dedicated to powder applications that guarantees a consistent seam and reduces machine downtime.

Model	Seaming Stations	Ø99	Ø127	Ø153	Can Diam Range	Speed Range (for standard can & cover)
ST203	3				99 - 154 mm (401 - 603)	Up to 240 for Ø99 Up to 210 for Ø127 Up to 180 for Ø153
ST206	6				99 - 127 mm (401 - 502)	Up to 480 for Ø99 Up to 420 for Ø127
ST206 COMBI	3+3				99 - 154 mm (401 - 603)	Up to 240 for Ø99 Up to 210 for Ø127 Up to 180 for Ø153

The SeamTec seamer comes in several possible configurations in order to fully meet each can packaging principle: pre-gassing or post-gassing. The unit - in clincher execution - can come in a safe, dust explosion proof version, where exposed powder and oxygen in atmospheric conditions are present together.



Total Performance Management

Operational costs

- Heavy duty and long life design
- Low operator inspection and intervention time
- Easy access and cleanability
- Consistent seam setting
- Short change-over time
- Automated lubrication and filtration system
- A well-thought cover feeding system that automatically detects reversed covers, which can easily be removed during operation. An additional cover stack pressure control provides an ever consistent and gentle cover feed independent from variations in the cover supply.

Maintenance costs

- ProCARE® preventive maintenance service level plans
- Parts assemblies for spindles, lifters and cover feed to reduce downtime for maintenance
- Global support



JBT Powder Filling Systems

PLF International Ltd., designer and manufacturer of what is considered to be one of the most flexible, hygienic, gentle and user-friendly powder filling machines for rigid and semi-rigid containers in the world, was acquired by JBT in 2017.

This innovative powder filling technology can be delivered as stand-alone equipment or as part of a fully integrated packaging line with a 3 or 6-head SeamTec seamer.



COUNT ON JBT TO HELP PROTECT YOUR INVESTMENT

JBT's greatest value in PRoCARE® services comes from preventing unexpected costs through smart, purposeful, and timely maintenance based on unmatched knowledge and expertise. PRoCARE service packages are offered as a maintenance agreement in various service levels, depending on your production and cost management requirements.



JBT DIVERSIFIED FOOD & HEALTH

FRESH PRODUCE TECHNOLOGIES | FRESH-CUT, ROBOTICS, STEAMING | FRUIT AND VEGETABLE PROCESSING | SECONDARY PROCESSING | ASEPTIC SYSTEMS | FILLING AND CLOSING | IN-CONTAINER STERILIZING | TRAY SEALING | SECONDARY PACKAGING | HIGH-PRESSURE PROCESSING | POWDER PROCESSING | TUNA PROCESSING

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