

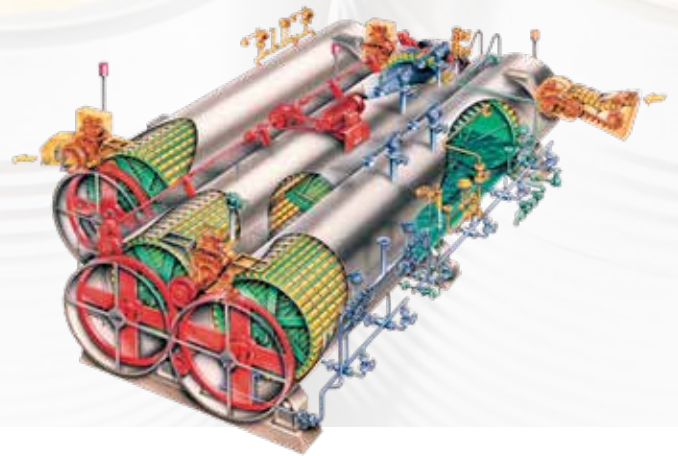
Gentle Can Handling



Smother transfer results in less can damage and that could allow higher run speeds and increased throughput



New transfer components reduce impact force by an average of 45%



The request: Increase efficiency with less container damage

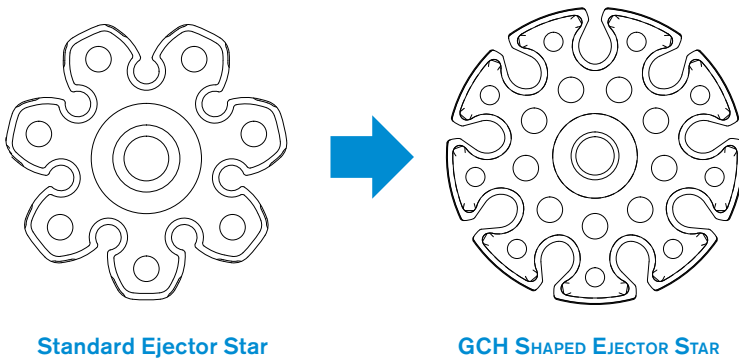
For over 100 years, food processors have utilized the Rotary Pressure Sterilizer (RPS) to agitate and sterilize food products in hermetically sealed metal cans. In the early years, the “cans” that traveled through the RPS were built like tanks and rolled through the RPS on their ends (known as chimes). Over time, in the continuous effort to reduce cost and increase efficiency, processors have requested higher speeds from JBT and lighter weight cans from their suppliers. The early days of 25 cans per minute has evolved into speeds in excess of 1000 cans per minute for the modern RPS. For JBT, the higher speeds, lightweight cans and new can geometries (stackable, 2-piece, easy-open, necked-in ends, straight wall, etc.) resulted in occasional unacceptable damage to the cans in the RPS.

Solution: Reduce impact forces

Impact reduction was achieved when a global JBT team, consisting of engineers from South Africa, Belgium and the US, collaborated to design a new technology called Gentle Can Handling (GCH). GCH is a revolutionary can transfer system design that “gently” moves the can from the discharge of the rotary reel into the can valve.

Target Market: New and existing RPS

This technology can be applied to both new RPS equipment and retrofitted to existing RPS equipment. Gentle Can Handling transfer components are ready for 47 and 56 step machines. Other step sizes available upon request. If your transfer components are in need of replacement consider going with the new GCH technology.



Standard Ejector Star

GCH SHAPED EJECTOR STAR

As compared to the standard parts, GCH transfer components allow for a more controlled can movement.

When to Upgrade

- ✓ When your transfer parts have reached end-of-life and need replacing
- ✓ Lighter weight cans
- ✓ Faster equipment speeds
- ✓ Necked-in cans
- ✓ Cans that roll on the can body
- ✓ Changing can types (3-piece to 2-piece)
- ✓ Rotary lines that sterilize multiple can diameters

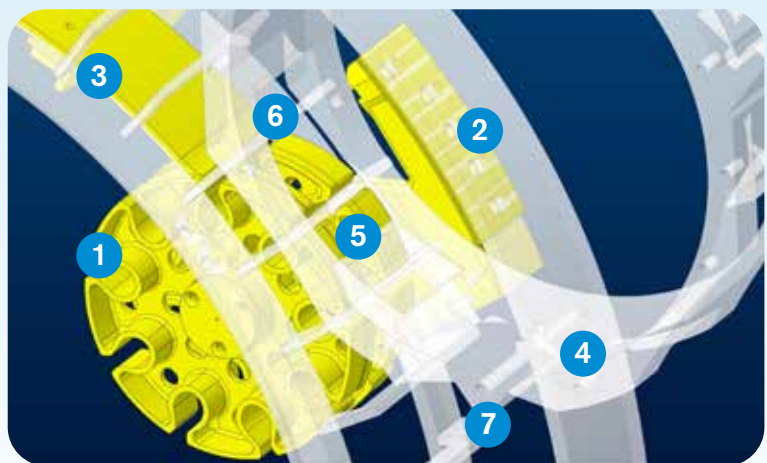
Benefits

- ✓ Smoother transfer between rotary shells
- ✓ Reduction of can damage
- ✓ More forgiving machine setup of transfer components
- ✓ Ability to run lighter weight cans that provide significant cost savings



Each GCH kit includes:

- 1 Ejector star
- 2 Ejector star bracket
- 3 Roll plate
- 4 Valve housing
- 5 Bridge
- 6 Cover plate
- 7 Detachable end section
- 8 Cam path side plate (if required)

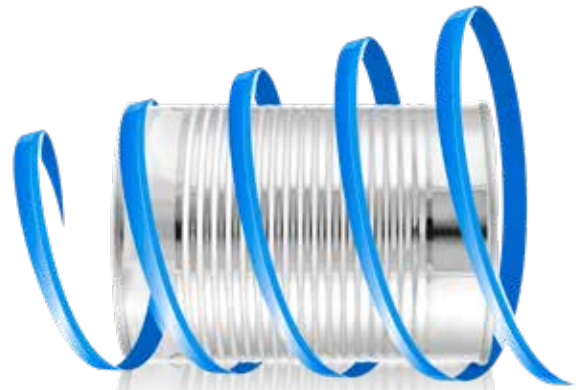


Reduction of sharp impact thanks to the tangential path

GCH technology creates a tangential path for containers to transfer from shell-to-shell and shell-to-outside while being processed in the RPS. The tangential path maintains container control as the ejector lifts the container out of the reel and over the leading edge of the valve bridge. This motion reduces sharp impacts experienced by containers in high speed lines.

Why choose JBT?

JBT is a financially stable and valued supplier with over 100 years of sustained growth and a long-term commitment to the canning industry. Renowned for its strong and fast, global service and support organization, JBT provides customers with a professional project management team and broad technical resources to support your project engineers.



FILLERS



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STERILIZER



BATCH RETORTS

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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.



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