



**PACMAC ENGINEERS PVT. LTD.**



**AUTOMATIC PACKAGING SOLUTIONS  
FOR  
LIQUID / POWDER / PASTE**

# Seaming Machinery

Pacmac's line of precision seaming machinery has set the industry benchmark for seaming accuracy and quality. Our range of semi-automatic and fully automatic seamers is designed to offer the ideal solution to every customer's need. With seaming rollers designed to handle steel, aluminum,

and composite cans, seam quality is guaranteed regardless of the container material.

Pacmac's multi-head seamer can provide an output of up to 120 cans per minute to meet the needs of higher capacity applications.



## Highlights:

- Rotating head design for minimal product disturbance
- Automatic end feeding option
- Can feed dial mechanically synchronized with filling station
- Electronic interlocks for no can/no end - no seam function
- Easy can height adjustment
- Convenient service access for quick changeover

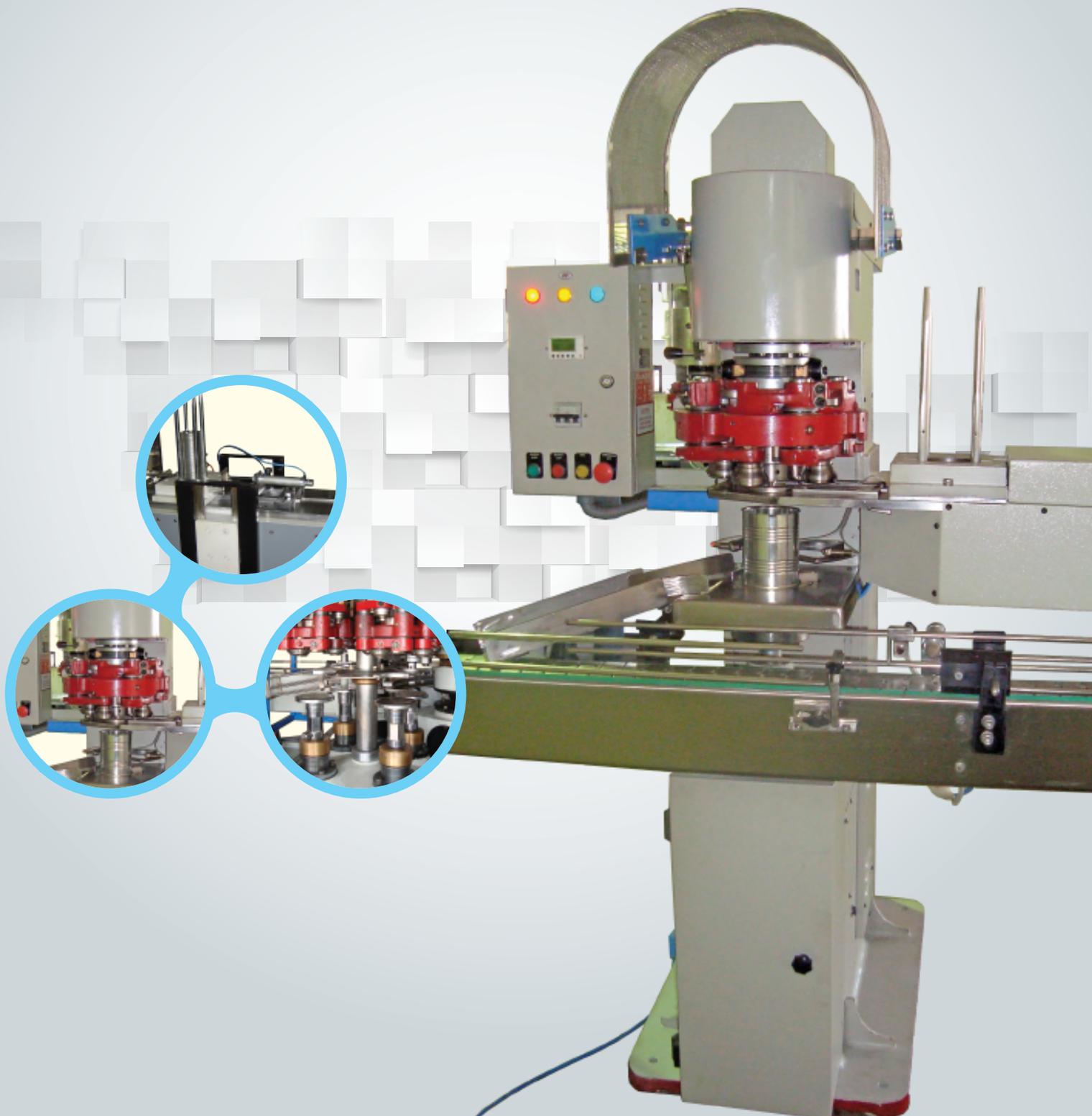
## Technical Data:

- Can Dia. (mm): 55 to 110
- Can Height (mm): 55 to 150
- Height of Infeed Conveyor (mm): 1000
- Output (cans/min): 50 (Single-Head), 120 (Multi-Head)

# Seaming Machines – Round Cans

When it comes to preserving the highest quality food products in containers, Pacmac's line of semi-automatic and automatic seamers set the benchmark with industry leading standards for double seam uniformity, integrity, and ultimate shelf life. The rotating head design maintains a stationary can during the seaming operation, thus minimizing product distur-

bance and spillage. With the ability to accommodate a range of container sizes, Pacmac's seamers provide exceptional product flexibility to the user. In addition, features such as auto end feed and integrated can feed dial allow for automated operation without human intervention, providing hygienic conditions for the product.



# Seaming Machines – Spin-on Filters

For automotive applications such as spin-on oil filter seaming, Pacmac offers a line of heavy duty seamers capable of handling even the heavier gauge material used in high pressure oil filters. In addition,

Pacmac has developed automatic filter assembly and seaming lines as well as in-line filter leak testers to provide complete automation for automotive filter manufacturing operations.



# Seaming Machines – Power Electronics

Pacmac's seaming machines are also customizable for sealing round power electronics capacitors. Semi-automatic seamers designed to accommodate various capacitor housings and terminal plates can

be provided to deliver quality leak-free seals. A wide range of safety features and interlocks are available to protect both operator and equipment.



# Vacuum & Gassing Machine

Pacmac's vacuum/gassing machines provide an ideal solution for extending the shelf life of materials such as powdered milk, baby-formula, coffee powder, nuts, and other dry products. The removal of air

from the filled containers is followed by an inert gas flushing operation. The resulting residual oxygen content in the container can be limited to < 1%.



## Highlights:

- Sanitary design for easy cleaning
- Multi-chamber layout available for higher output
- Low inert gas consumption
- User-friendly PLC control for process optimization
- Modular tooling for quick changeover
- Semi-automatic systems available for lower capacities

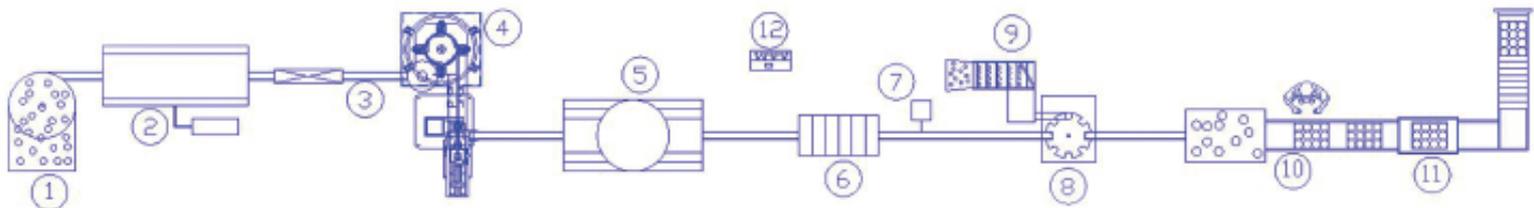
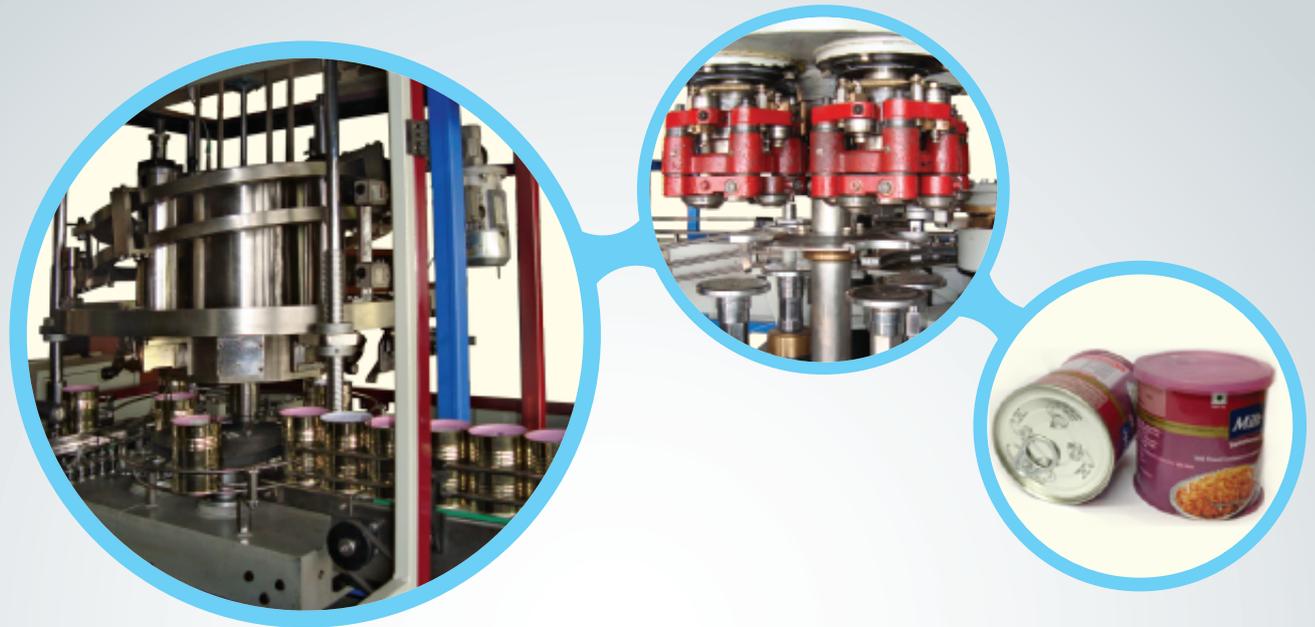
## Technical Data:

- Can Diameter (mm): 55 - 185
- Can Height (mm): 65 - 250
- Output (cans per min.): up to 50 Vacuum
- Vacuum within chamber (mbar): up to 4
- Residual oxygen content : < 1%

# Sweetened & Condensed Milk Filling Line

Pacmac's liquid filling line has been specially adapted to provide the functionality and sanitary features required for handling sweetened and condensed milk. Improved can cleaning and sterilization is provided for maximum shelf life of the product. Our piston style filling heads feature precision machined wetted parts made from stain-

less steel (316 SS) to provide high fill accuracy and zero spillage, while also maintaining product quality. Finally, our seamers provide a leak-proof double seam sealing with minimal disturbance to the can to provide guaranteed shelf life to the product.



- 1 UNSCRAMBLER
- 2 HOT AIR STERILIZER
- 3 FEEDING CONVEYOR
- 4 HEAD PISTON FILLER WITH SEAMER
- 5 CAN WASHING
- 6 AIR KNIFE DRYING UNIT
- 7 CODING MACHINE
- 8 CAPPING MACHINE
- 9 CAP ELEVATOR WITH STORAGE SILO
- 10 PACKING CONVEYOR
- 11 CARTON WEIGHING MACHINE
- 12 CONTROL PANEL

## Highlights:

- Sanitary design for easy cleaning
- Rotary Multi-Head piston filler with CIP capability
- Easy fill head adjustment for container size changes
- Individual head dose micro-adjustment
- User-friendly PLC control for process monitoring
- Various can sterilization and cleaning options available

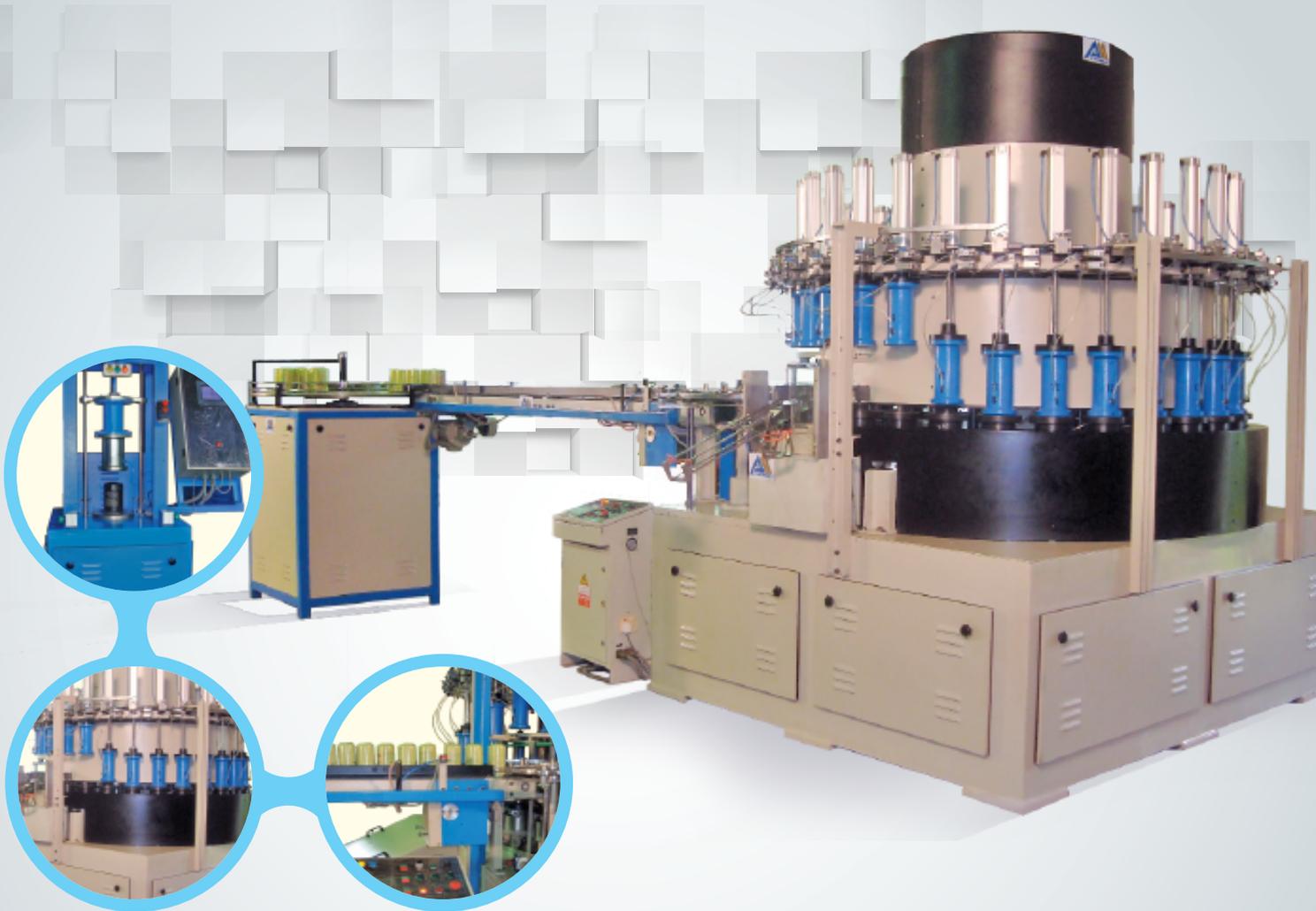
## Technical Data:

- Can Diameter (mm): 55 - 105
- Can Height (mm): 65 - 127
- Output (cans per min.): up to 100
- Contact parts material: 304 SS
- Wetted parts material: 316 SS

# Air Leak Tester

Pacmac's fully automated leak testing machine provides the repeatability and throughput required for applications demanding 100% leak testing of containers. Utilizing pressure sensing components of high sensitivity and accuracy, our leak testing machine offers the most reliable means for container testing without the need for human intervention.

Designed to easily adapt to containers of various styles and sizes including aerosol cans and automotive spin-on filters, our rotary multi head testing machines offer easy changeover with multi-test parameter adjustability through the use of PLC based control interface. Leaking containers are automatically redirected to a rejection table.



## Highlights:

- Rotary turntable design for continuous 100% in-line testing
- Up to 30 leak test stations for higher output
- High accuracy pressure decay sensing for quick leak detection
- Modular leak test housings for easy size changeover
- Automatic defective container separation to rejection table
- Suitable for round cans, aerosol cans, and spin-on filters
- Semi-automatic version available for lower output

## Technical Data:

- Can Diameter (mm): 55 - 175
- Can Height (mm): 65 - 300
- Output (cans per min.): up to 100
- Max. test pressure (bar): 5
- Leak sensitivity (mbar): 0.1



## About Us

Pacmac Engineers has been developing specialized packaging machinery since 1995. Promoted by a team of highly skilled engineers with broad experience in the food packaging industry, Pacmac has developed an innovative range of products enabling customers from various industries meet their specific packaging needs.

With a continuous focus on quality, system efficiency, cost savings, and aftersales service, Pacmac has emerged as a leader in the packaging equipment industry. Today, Pacmac is endorsed by a growing global customer base covering more than 32 countries in Asia, Africa, Europe, Middle-East & South-America.



Manufactured By:

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