



EASYCAN

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AUTOPACKER

Automatic heading, gutting, tailing and packing machines for the canning of sardines



The Easy Can Autopacker is a pelagic fish processing machine that is designed and built to do the following automatically:

- ❖ Remove fish heads.
- ❖ Remove fish tails.
- ❖ Remove fish viscera.
- ❖ Fill fish cutlets into empty cans at up to 250 cans per minute.

Operation method of the Easy Can Autopacker.

Operators load fish from a central conveyor belt onto 2 block belts (modular plastic chain with moulded pockets for fish) which run parallel to each other. These block belts run between rotating circular blades that cut off the heads and tails. The viscera are removed from each fish individually through an orifice plate by vacuum. The Headed, Guttled and Tailed fish pieces then fall into distribution wheels which then, depending on the pre-set number of pieces of fish required per can, deposit the correct number fish pieces into a pocket wheel. Once the fish pieces are in the mould of the pocket wheel the mould is closed and the fish are then ejected by means of a pneumatic plunger from the mould into an empty can. The filled can is then taken by conveyor for further processing.

The number of fish pieces per can is pre-set before or during a production shift by means of selector knobs on the main gearbox cover.

See videos at: <https://youtu.be/Wj6LH9mpBeQ>
<https://youtu.be/Gc245NMWvbo>



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Autopacker Information and Specifications:

1. Features: Simple and robust with high build quality, Stainless steel (316), bronze and engineering plastics construction, Quick pack-number change, Loads up to 8 fish pieces per can, Compact design, Gut suction points that eviscerate each fish individually.
2. Benefits: Reliability, Low maintenance costs, Low running costs, High performance with up to 250 cans/min, Fits into existing plants, No or very low incidence of viscera.
3. Proven design: Over 70 units sold in Africa, South America and Asia. The Easy Can Autopacker is the industry standard in South Africa and Namibia.
4. Fish pieces per can: Up to 8 pieces per can for most can formats. Up to 4 pieces per can for Jitney.
5. Packing speeds: up to an approximate maximum of 125 cans per minute for Talls/1M format, 160 cans per minute for Buffet and A1 formats and 250 cans per minute for Jitney can format. The can format, the number of pieces per can, the fish quality and size, the number of operators loading belts and the length of the cutting table influence the actual packing speed.
6. Can formats/dimensions: Models for most cans are available. Some popular formats include: 1M/Tall = dia. 73 mm x 111 mm, Jitney = dia. 52 mm x 89 mm / dia. 52 mm x 111 mm, Buff = dia. 65 mm x 79 mm, A1 = dia. 65 mm x 101 mm. A machine for RR-125/ ¼ Club is being developed.
7. Circular blades are adjustable to cut fish pieces between 76 and 125mm long.
8. Block belt pitch: 38.1mm (1.5") for sardines or 50.8mm (2") for mackerel or horse mackerel.
9. Pitch between block belts: 750mm.
10. Block belt widths: 75mm, 80mm, 100mm and others.
11. Power supply: 380v for 1.1kW geared motor, 0.75kW geared motor and 0.75kW motor. Motors and gearboxes are of cast iron construction.
12. Air pressure required: 3 bar.
13. Air consumption: maximum 40 litres/min @ 250 cans/min.
14. Height difference between input block belt and exit transfer conveyor = between 800mm and 900mm.
15. Shipping mass: approximately 1200 kg.
16. Dimensions: 9000mm x 1700mm x 1700mm. Shipped in 20' container.
17. Operational requirements to be supplied by customer: Compressed air, electrical power with switch gear, water, vacuum (0.65 – 0.8bar), empty can runway to machine, fish supply elevator or similar device to supply each machine, filled-can transfer conveyor, waste conveyor.
18. Optional: Safety covers over moving parts. Covers over blades are standard.
19. Optional: Electric switchgear and inverter if using electronic vari-speed.
20. Optional: Compressed air plant.
21. Optional: 2 blade shafts and mechanical head removal by means of rotating drum to further reduce incidence of gut and fish damage due to vacuum.
22. Optional: Vacuum plant.
23. Optional: Change parts for another can format. All formats utilize the same main frame and gearbox.

Manufactured and supplied by: Easy Can c.c. P.O. Box 149 Vredenburg 7380 South Africa
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