

Used filling machine Tetra Pak A3/Flex TBA 1000B - 7000 bph

Machine type:	Filling Machine
Ref:	R81
Model:	A3/Flex Compact 150V
Year:	2008
Speed:	7500 Bottles/hour
Condition:	Under Maintenance
Formats:	1 L
Containers:	Brik
Products:	Dairy, Juice

Technical details

No. of valves:	1	Fill type:	Aseptic
Rotation:	Clockwise	Safety features:	Yes
Manuals:	Yes	Width:	7 mm
Length:	3 mm	Height:	4.5 mm
Weight:	7000 kg	Power:	50 kW
Voltage:	400 V	Frequency:	50 Hz

Description

Used Aseptic Filling Machine Tetra Pak A3/Flex 150V TBA 1000B – Overview

This second hand Tetra Pak A3/Flex 150V TBA 1000B is a proven aseptic carton filler engineered for industrial packaging and beverage production. Configured for Tetra Brik Aseptic 1000 ml (Base) packs, it delivers reliable, continuous operation for UHT milk, juices, and other shelf-stable beverages. With a nominal capacity of approximately 7,000 packs/hour, this used bottling line component combines high throughput with aseptic integrity for modern carton packaging.

Technical Specifications & Performance Data

- Manufacturer: Tetra Pak
- Model: A3/Flex 150V TBA 1000B
- Year of manufacture: 2008
- Filling type: Aseptic (non-isobaric carton filling)
- Package format: Tetra Brik Aseptic 1000 ml (Base)
- Nominal speed: $\approx 7,000$ packs/hour
- Working hours: $\approx 30,000$ hours

Utilities

- Electrical: 400 V, 50 Hz, 3-phase
- Installed power: up to ≈ 50 kW (typ. 35–50 kW depending on configuration)
- Compressed air: 6–8 bar, ≈ 300 –500 NI/min
- Water/steam: ≈ 0.5 –1.0 m³/h (for processing/sterilization utilities)

Dimensions & Weight

- Approximate footprint (L \times W \times H): 7 \times 3 \times 4.5 m
- Approximate weight: $\approx 7,000$ kg (model range 6,000–8,000 kg)

Note: Technical values are indicative for this A3/Flex configuration and should be confirmed during inspection/FAT.

Advanced Automation & Control Systems

The A3/Flex platform features OEM PLC-based control with a touchscreen HMI for recipe handling, alarms, and diagnostics. Motion control synchronizes forming, filling, and sealing cycles to maintain aseptic integrity and packaging quality at high speeds. Typical capabilities include:

- Recipe management for UHT milk, juices, and beverage variants
- Integrated process supervision and event/alarm logs
- I/O provisions for upstream/downstream line devices
- Recommended verification prior to start-up: PLC functions, valve actuation, pump performance, and seal integrity

Production Line Integration Capabilities

This aseptic carton filler integrates efficiently within a used bottling line or new beverage production layout:

- Upstream: packaging material feed and sterilization modules as per OEM design
- Downstream: conveyors to accumulation, straw/cap applicators, case packers, palletizers
- Utilities/process: interfaces for CIP/SIP connection to plant systems, sterile air, water, and steam
- Controls: standard digital/analog I/O and fieldbus-ready architecture depending on configuration

Ideal for second hand industrial packaging projects requiring aseptic carton formats and stable high-speed operation.

Machine Condition & Maintenance History

- Condition: used, currently in storage

- Approximate machine hours: \approx 30,000
- Operational note: continuous production achievable with proper preventive maintenance
- Recommended checks before commissioning: pumps, aseptic valves, PLC functionality, elastomers and seals

Routine inspection, replacement of wear parts, and validation of aseptic barriers are advised prior to restart.

Operational Performance & Versatility

- Product scope: UHT milk, juice, and shelf-stable beverages
- Format: Tetra Brik Aseptic 1000 ml (Base) for high-demand retail SKUs
- Aseptic process: designed for sterile forming, filling, and sealing of cartons
- Changeover: recipe-based adjustments within the 1000 ml Base format (mechanical checks required)

Combines packaging efficiency with aseptic reliability, supporting consistent product quality and extended shelf life in carton packaging.

Installation Requirements & Site Preparation

- Footprint and clearance: allow for 7 × 3 m footprint and \approx 4.5 m height; provide additional maintenance/operational access
- Flooring: level industrial floor rated for \approx 7,000 kg plus dynamic loads
- Electrical: 400 V, 50 Hz, 3-ph supply sized for up to \approx 50 kW
- Compressed air: dry, oil-free air at 6–8 bar with adequate flow
- Water/steam: connections per OEM for sterilization and utility services (\approx 0.5–1.0 m³/h)
- Environment: controlled hygienic conditions; aseptic room or segregated area recommended for carton sterilization and filling
- Process integration: CIP/SIP tie-ins, drains, and ventilation per plant standards

Safety Standards & Compliance Certification

The A3/Flex design typically includes guarding and interlocked access points aligned with OEM safety concepts for industrial packaging machinery. For this unit:

- Safety verification: buyer to confirm compliance with applicable local standards (e.g., CE/OSHA) during inspection
- Documentation: operator/technical manuals and specific safety certificates are not currently listed; availability to be confirmed
- Commissioning: perform risk assessment, functional safety tests, and validation of emergency stops/interlocks prior to production

This Tetra Pak aseptic filler is a robust choice for beverage production facilities expanding or upgrading a used bottling line, delivering reliable 7,000 packs/hour performance in Tetra Brik Aseptic 1000 ml Base format.