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Used filling machine TETRA PAK A3 Flex 1L slim 7500 bph

Machine type:	Filling Machine
Ref:	R78
Model:	A3Flex
Year:	2006
Speed:	7500 Bottles/hour
Condition:	In Storage
Containers:	Brik
Products:	Dairy, Juice

Technical details

No. of valves:	1	Fill type:	Aseptic
Rotation:	Clockwise	Safety features:	Yes
Manuals:	Yes		

Description

Technical Specifications & Performance Data

The Used filling machine TETRA PAK A3 Flex 1L slim 7500 bph is a 2006 aseptic form-fill-seal system designed for high-efficiency beverage production in cartons. Built by Tetra Pak®, it delivers precise, reliable filling for dairy and juice in Tetra Brik formats, making it a strong fit for industrial packaging operations seeking predictable uptime and hygienic performance.

* Manufacturer: Tetra Pak®

* Model: A3 Flex (Year 2006)

* Category: Filling Machine – aseptic carton FFS

* Nominal speed: up to 7,500 packs/hour

* Machien Hours: 62.000 Hours

* Container type: Brik (aseptic carton); format range subject to installed tooling

* Product compatibility: Dairy (e.g., UHT milk), Juice (with/without pulp, low to medium viscosity)

* Filling principle: Aseptic, volumetric dosing

* No. of valves / heads: 1

* Machine configuration: Linear (rotation: 0)

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* Changeover: Recipe-based format adjustments to minimize downtime

* Safety features: Integrated guarding and interlocks

* Documentation: Operator and technical manuals available

Advanced Automation & Control Systems

Fully PLC-controlled with an HMI interface, the A3 Flex provides recipe management, alarm diagnostics, and batch logging for robust traceability. The control platform supports connectivity with plant SCADA/MES for data acquisition and performance monitoring. Standardized I/O facilitates integration with upstream UHT/sterilization and downstream end-of-line equipment. Built-in safety circuits, interlocked doors, and emergency stops help protect operators during rinsing, filling, and downstream handling processes. Electrical and pneumatic interfaces are designed for common EU industrial standards.

Production Line Integration Capabilities

This machine integrates seamlessly within a used bottling line or mixed packaging environment. It interfaces with upstream product treatment (UHT, homogenization, CIP/SIP) and downstream carton conveyors, checkweighers, inkjet date coders, case packers, and palletizers. While dedicated to cartons, it can share utilities, controls, and data infrastructure alongside parallel PET, glass, or aluminum can lines that include rinsing, filling, capping, and labeling machines. Format changes within the Brik family are completed via guided procedures and recipes to reduce changeover time and waste.

Machine Condition & Maintenance History

Current status: UNDER MAINTENANCE. This second hand Tetra Pak A3 Flex is undergoing scheduled servicing to verify aseptic integrity, dosing accuracy, and sealing performance. Key wear parts are inspected and replaced as required. As part of the A3Flex-100V Upgrade, the machine was enhanced with the addition of 1 AB CPU, 2 AB network modules, 1 AB input module, 1 AB output module and 1 GE communication module. The equipment was upgraded from Danaher servo to AB’s latest servo, with 7 Danaher motors replaced by AB motors, together with network cables, communication cables, connectors and 2 pull ear motor bases. Maintenance logs, test reports, and commissioning checklists can be provided. Manuals are included to support rapid start-up and operator training.

Automation and Servo Upgrade: The equipment has been upgraded from the Danaher servo system to the latest Allen-Bradley servo technology. The upgrade includes one Allen-Bradley CPU, two Allen-Bradley network modules, one input module, one output module, one GE communication module, seven Allen-Bradley motors, associated network and communication cabling with connectors, and two pull-ear motor bases.

Operational Performance & Versatility

Engineered for aseptic beverage production, the A3 Flex delivers stable operation on still liquids such as UHT milk, cream mixes, and fruit juices (including light pulp). Its hygienic design, closed dosing, and controlled forming/sealing cycle protect product quality and shelf life. While the filler is optimized for carton containers, it coexists efficiently in facilities that also process water, beer, or wine in PET, glass, or aluminum on separate lines, leveraging common utilities and centralized quality control. The result is a versatile industrial packaging platform that supports multi-SKU plants with demanding OEE targets.

Installation Requirements & Site Preparation

For optimal performance, the machine should be installed in a clean, climate-controlled production area with aseptic zoning. A level floor, adequate service access, and proper carton blank and cap material logistics are recommended.

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Utility connections typically include:

* Electrical supply compatible with EU industrial standards

* Compressed air with adequate flow and filtration

* CIP/SIP connections for product and circuit sanitation

* Sterile air for aseptic environments as specified by the process design

* Cooling water or glycol (if required by auxiliary units)

* Process product inlets and hygienic drains

* Network connectivity for SCADA/MES and remote diagnostics

Safety Standards & Compliance Certification

The A3 Flex is built to meet EU machinery and food safety requirements and is compatible with HACCP, IFS, and BRC quality systems. The machine includes interlocked guards, safety-rated controls, lockout/tagout points, and emergency stops positioned for quick access. Hygienic design principles—cleanable product paths, controlled sterile zones, and validated sealing—help ensure compliance in regulated environments. Manuals and risk assessments support operator training and audit readiness.

In summary, the Used filling machine TETRA PAK A3 Flex 7500 bph offers a reliable aseptic carton solution for second hand industrial packaging projects, integrating smoothly with broader used bottling line infrastructures and supporting sustained productivity in modern beverage production.