

Used shrink wrapper SMI SK 450F

Machine type:	Shrink Wrapper
Ref:	FA47
Model:	SK 450 F
Year:	2009
Speed:	28000BPH
Condition:	In Storage

Technical details

Film type:	1	Tray:	1
Operating type:	1	Works with printed film:	Yes
Machine feed type:	0	Bundles/minute:	45
Safety features:	Yes	Manuals:	Yes

Description

Technical Specifications & Performance Data

The SMI SK 450F is a second hand shrink wrapper engineered for high-speed industrial packaging in beverage production and related sectors. This model is well suited to operate downstream of rinsing, filling, capping, and labeling blocks within a used bottling line, delivering stable, brandable bundles for transport and retail.

- **Manufacturer / Model:** SMI SK 450F
- **Year:** 2009
- **Category:** Shrink Wrapper (film application with shrink tunnel)
- **Production speed:** up to **28,000 bottles/hour** (format dependent)
- **Bundling rate:** up to **45 bundles/minute** (collation dependent)
- **Operating type:** Automatic, continuous-duty shrink wrapping
- **Infeed configuration:** Straight inline entry for high-speed lines
- **Film handling:** Works with **printed film** (print-mark registration) and neutral film
- **Packaging styles:** Film-only and tray+film configurations (subject to setup)
- **Typical collations:** 4×3 0.33 L, 3×2 0.33 L, 4×3 0.50 L, 3×2 1.5 L, 2×2 1.5 L, 3×2 1.5 L, 3×2 2.0 L, 2×2 2.0 L
- **Container materials:** PET and glass bottles, aluminum cans
- **Product types:** Water, juice, beer, wine, carbonated soft drinks, energy drinks, and more
- **Technical measurements:** Dimensions/weights available in manuals

Advanced Automation & Control Systems

Designed for demanding beverage production, the SK 450F provides robust automation to maintain output and pack quality at speed.

- Operator-friendly HMI for recipe selection, format parameters, and diagnostics
- Automatic film unwinding with tension control for stable wrapping of PET, glass, and cans
- Print-mark sensor for precise registration when running **printed film**
- Shrink tunnel with zoned temperature control for consistent, wrinkle-free bundles
- Integrated safety interlocks, emergency stops, and safety guards included
- Electrical specifications and wiring diagrams available in the manuals

Production Line Integration Capabilities

This shrink wrapper integrates seamlessly into a used bottling line alongside upstream rinsing, filling, capping, and labeling systems, and downstream conveying, case handling, and palletizing.

- Inline interface with conveyors, accumulation tables, and inspection systems
- Quick format change with recipe-based adjustments for varied collations
- Compatible with multi-product schedules across water, juice, beer, wine, and mixed SKUs
- Synchronization options for line speed following and start/stop handshakes

Machine Condition & Maintenance History

- **Condition:** IN STORAGE, second hand unit from **2009**
- Safety features included as part of the delivered scope
- **Manuals available** for operation, maintenance, and electrical references
- General cosmetic wear consistent with a used industrial packaging machine; inspection and test running can be arranged as part of line integration planning

Operational Performance & Versatility

The SMI SK 450F is engineered to deliver stable, retail-ready bundles with excellent shrink aesthetics. Its ability to run printed film supports brand visibility without secondary cartons, ideal for beverage production where high-speed throughput and shelf impact are critical.

- Handles PET and glass bottles as well as aluminum cans across multiple volumes
- Suitable for still and carbonated beverages: water, juice, beer, wine, CSDs, energy drinks
- Flexible collation patterns for single-serve and family-size SKUs
- Consistent wrapping performance minimizes film waste and rework
- Designed to complement upstream filling and capping accuracy by preserving pack stability

Installation Requirements & Site Preparation

To achieve the stated performance, plan for proper layout and utilities typical of high-speed shrink bundling.

- Dedicated, level floor space allowing straight infeed/outfeed conveyor runs

- Three-phase electrical supply sized per manual specifications
- Compressed air for actuators and control pneumatics
- Adequate ventilation for the shrink tunnel area and safe heat dispersion
- Clear access for film change, maintenance, and cleaning
- Integration points for line control signals and emergency-stop circuits

Safety Standards & Compliance Certification

Safety is central to this machine's design and delivery scope.

- Full perimeter guarding with interlocked access doors at hazard points
- Emergency stop devices at operator stations and strategic locations
- Guarded sealing/cutting areas and insulated tunnel zones
- Risk-reduction measures aligned with common industrial packaging safety practices
- Hygiene-friendly design suitable for beverage production environments

With high throughput, flexible collations, and the ability to run printed and neutral films, the SMI SK 450F is a strong fit for upgrading or expanding a used bottling line where dependable, high-quality shrink bundling is required.