

Italian

Beverage Technology

BOTTLING & PACKAGING



International Edition

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ITALIAN FOOD & BEVERAGE TECHNOLOGY

APRIL 2009

Supplemento al n. 2, marzo/aprile 2009 di Industrie delle Bevande - Sped. abb. post. 45% - Art. 2, Comma 20/B, Legge 662/96 - Torino - Taxe perçue - Tassa riscossa



GIÒ MINOLA

There are machines and machines. Whoever chooses a Tosa machine knows to assure the very highest levels of reliability, resistance, robustness, and technological innovation. All qualities that characterise the Tosa



automatic double-reel wrapping machine with automatic transmission, which is ideal to stretch-wrap palletised loads. Your products will never have been so safe: because they are wrapped in the quality of a great name.



TOSA



CNR

TOSA

Pallet stretch wrapping machines

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PACKAGING EQUIPMENT

tion at the discharge for a better final shrinking of the packs; heating elements positioned very close to the product; and calibrated air holes allow to have a well controlled shrinking of the packs.

In accordance with the all-in-one-side concept and full accessibility for the operator the HMI operator interface is based on a touch screen computer and is characterized by an icon menu for quick and easy familiarization with the machine; prompt accessibility to diagnostic information, also regarding the PLC status check; spare parts manual accessibility through PC (as optional); alarms and troubleshooting with pictures and

help on line; productivity and efficient graphics.

The Zambelli system delivers the handle before the shrink tunnel. The heat melts the tape handle to the film in order to obtain a very robust carrying handle. Print handle with promotional messages or bar code for automatic handling systems is available; the unit can be integrated in future; one only operator is needed for the shrink-wrapper and handle applicator.

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flow. The LSK 35 models also come with a system of electronically synchronised partitioning bar which makes packing smoother. Though manual, the format change is extremely easy and fast as it is not necessary to replace any mechanical or electronic component after completing the mechanical adjustment of the various parts using the specific reference counters and hand wheels to widen/tighten the guides, the operator needs to simply select the new format from the Posyc control terminal. Furthermore, the passage from a small package to a large one or vice versa does not create any kind of problem, as the operator has the possibility of easily changing the machine pitch choosing between

one of the three available on all LSK models. Each machine pitch, in fact, is identified by colour position indicators on the chains.

The LSK series is distinguished by its compactness and is the ideal solution for customers with small production areas. Despite the use of superior quality components and state-of-the-art technology, the prices of the new models are extremely competitive and therefore accessible to modest and family-owned bottling companies. The series can be provided with an in-line or a 90° infeed belt, depending on customer request.

The LSK packaging machines are managed and controlled by the Posyc operator panel, running the whole length of the machine, which gives ac-

BOUDLING UNITS

In occasion of the Ipack-Ima 2009 exhibition, SMI has shown the latest innovation for packages with an attractive graphic appearance, handy and economic, the packaging in heat-shrinking film. This type of packaging offers a cost-effective alternative to corrugate cardboard and it plays a key role in product marketing strategies, since the use of printed film allows to catch the consumer's eye. Packages made with heat-shrinking film can be more easily handled, conveyed and recycled.

The LSK shrink-wrappers series is composed of automatic machines to pack plastic, metal or glass containers. Depending

on the model chosen, they can make packs in film only, cardboard pad+film, cardboard tray, cardboard tray+film.

The LSK 35T model, which is exhibited at Ipack-Ima, achieves an output rate up to 35 packs per minute, according to the type of product to be handled and features a simplified modular design that satisfies the always mutable productive requirements of clients. All LSK packaging machines have a motorised oscillating dividing group, positioned above the infeed belt, which facilitates the laning of loose containers towards the product grouping section, preventing sudden stops in container



Packs in shrink film wrapping made with the LSK (SMI).

cess to the machine manuals, updates/changes the working parameters, sets and monitors the entire packing process. The highly intuitive interface, the touch sensitive screen

and the advanced functions of diagnostics and technical support in real time ensure that the less expert operator can quickly learn the use of the machine in the most efficient possible way.

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performances" finds application in the optimum load stabilization, low film consumption, and reduced environmental impact.

The film deposit force control onto the load occurs by pneumatically operated dancing roller compensation system and patented electronic devices which can be continuously adjusted from the control panel. Such solutions make wrapping possible without deforming even the particularly light, fragile, soft loads.

All carriages can be dimensioned for using reel band 750 mm wide and jumbo roll 500 mm band allowing significant production output capacity and reduction of machine stops for reel change, respectively. Weaved or stretch net reels can be used for products that require aeration.

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PALLET WRAPPING MACHINES

Robopac Sistemi, established in 1985, is world leader in the production of systems and fully automatic stretch film wrapping machines for palletized loads. The Company stands out for its great capacity to provide customized and innovative solutions in both performance and reliability. Three technologies have been developed for load packaging: rotating arms, turntables and rotating rings, further to horizontal wrappers for elongated products and packaging systems for the wood field. Thanks to a worldwide

capillary distribution network and to the spare parts servicing centres present in foreign affiliates, Robopac Sistemi ensures a quick and decisive after sales service.

Robopac Sistemi proposes Helix, which is the complete range of automatic machines with rotating arm for stretch wrapping of palletized loads particularly indicated in those fields where high production outputs are required. Thanks to rotating arm technology, film deposit and load stabilization occur on fixed pallets hence eliminating any load falling risk regardless of the arm rotation speed.

The machines of the Helix series represent the ideal solution for wrapping light, easily deformable, unstable loads and can be widely applied in the most various of market segment fields. The modularity of the units that compose them allows an ample versatility of use even when large dimensioned loads are present. Such versatility is translated into 3 models with individual arm (Helix HS 30, 35 and 40) and 1 model with double arm (Helix HS 40/2) having the maximum output capacity of 170 loads/h.

Robopac Sistemi also has available a vast choice of pallet handling systems: roller conveyors, chain conveyors, deviators, track conveyor systems, stackers and other devices for the complete packaging control of end line from palletization up to the shipping warehouse and stock.

The reel carriage units that equip the wrapping machines of the Helix series, thanks to the large diameter pre-stretch rollers and excellent grip of the materials used for the coatings of the same, reach the maximum film elongation values. So the concept "Technology and innovation for high

PALLET STRETCH WRAPPERS

Tosa Group has become well known for the quality and reliability of their machines. In order to satisfy the growing needs of today's market in end of line packaging, the company has, under the umbrella

of the Tosa Group, incorporated well-established names such as: Tosa, pallet stretch wrapping machines; Mimi, shrink wrapping machines, and CMR, strapping machines. (Tosa - Loc. San Bovo - Via



Helix automatic rotating arm stretch wrapping machine (Robopac).