



Product Brief - 2004

linear belt sealer

- Inline, top pressure induction sealing system
a proven world leader in sealing technology from



ACS Linear Belt Sealer

The ACS Linear Belt Sealer is a unique induction heat-sealing system designed for cap-less sealing and the sealing of non-torqued caps containing an induction liner.

The continuous linear movement gives flexible high-volume sealing across a very broad range of containers.

The Linear Belt Sealer is a very cost effective alternative to a rotary heat-sealing turret and can be used in combination with the ACS Aluminium Capping Press to provide a complete capping & sealing solution.

OUTSTANDING BENEFITS

- **RAPID PAYBACK** Significantly reduced capital cost compared to alternative methods
- **INSTANT SEALING FROM START-UP** No wait for heat-up
No wasted power consumption
- **CONSISTENT POWER DELIVERY** Single Coil Tunnel, eliminating the need for complicated multi-head sealing units
- **EASY INSTALLATION** Fits over existing straight conveyor
- **MINIMAL MAINTENANCE** Limited moving parts; minimal down-time; easy access
- **SYSTEM FRIENDLY** Manual, or full PLC line integration
- **OPERATOR FRIENDLY** Manual or programmable set-up
- **PRODUCT FRIENDLY** ESL hermetic seal
Minimal indirect heat transfer to the product
- **CLOSURE SYSTEM FLEXIBILITY** Heat Seals 'Foil Only', 'Screw-on' or 'Snap-on'
Plastic Over-caps with a foil membrane
- **CONTAINER COMPATIBILITY** Suitable for Plastics and Glass

PRODUCT SUITABILITY

The success of the Linear Belt Sealer is due to its ability to provide a high quality seal for so many different product types, including:

- Liquid Milk Products
- Drinking Yoghurt Products
- Probiotic Health Drinks
- Vitamins and Health Supplements
- Edible and Industrial Oils
- Fruit Juice Products
- Spirits: Single shot 'slammers'
- Mustards & similar Food Products

Many more product types can benefit. Please contact us to discuss what we can do for you.

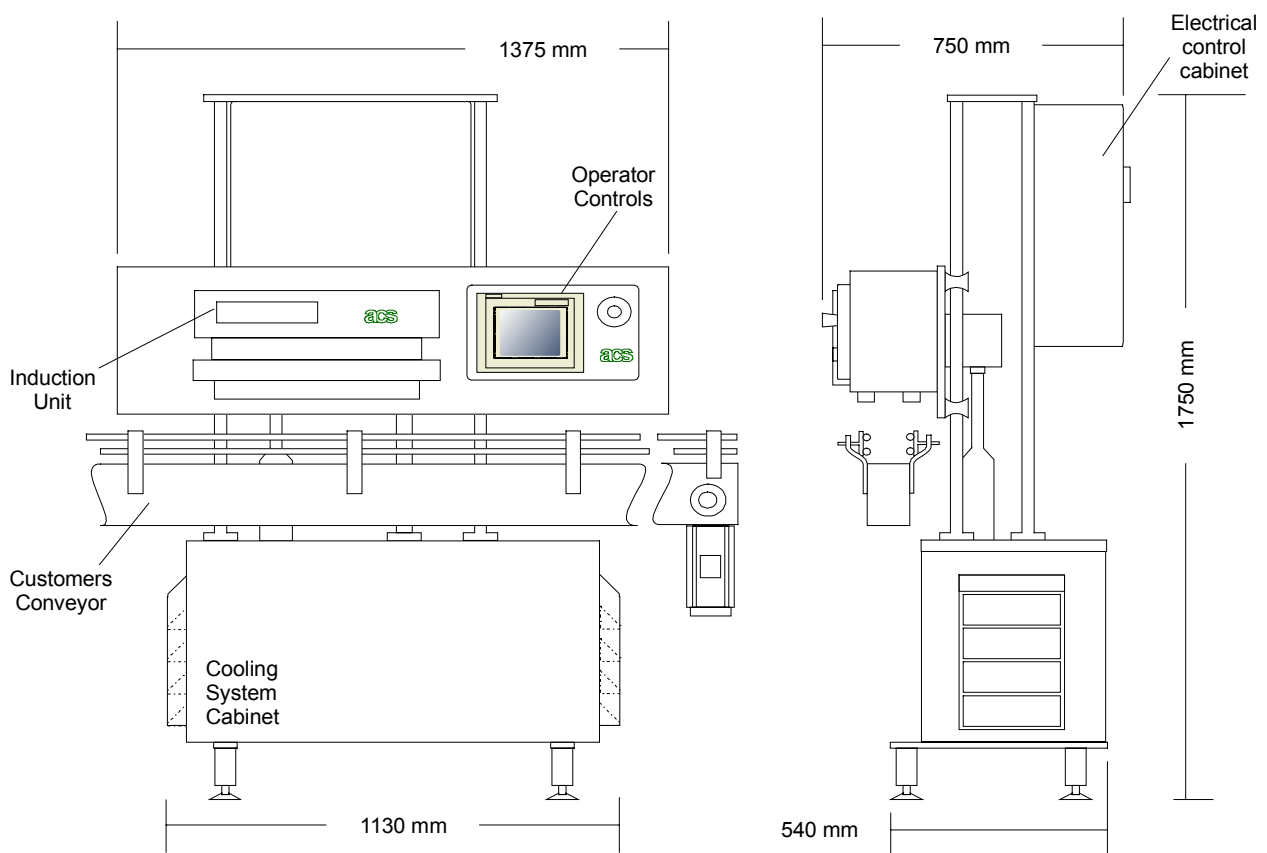
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HOW IT WORKS

The Linear Belt Sealer is positioned over any straight length of existing conveyor, immediately after capping takes place. The capped container is guided through the induction tunnel at conveyor speed, where the Linear Belt Sealer applies top pressure to the closure through a non-inductive, compressible re-circulating belt. This unique design helps to ensure that the foil is in complete contact with the neck rim by pushing the cap fully down onto the container neck rim in the case of a plastic over-cap or providing full foil contact to the container neck rim in the case of foil only, even where deviations exist in rim levels.

Through full circumferential compression, and surface profile conformity, a hermetic seal is achieved. In addition, the sealing process is aided by continued pressure on the cap, following initial release from the induction field.

TYPICAL LAYOUT



GENERAL SPECIFICATION

Cap Size	70 mm Diameter maximum (approx)
Conveyor Speed	Up to approx. 40 metres / minute
Induction Power Rating	Typically 3 kW (subject to conditions)
Wash Down	IP65 Electrical Rating / Stainless Steel Cladding
Power Requirements	220-250v AC Single Phase
Control System	EN60204 conforming to EMC (Europe) or UL508a (US)
E-Stop	Will integrate into your production line E-Stop system