



Since 1992

Eltech
ENGINEERS PVT. LTD.

An ISO 9001 - 2015 Company



Sealed for Protection

INDUCTION CAP SEALER



www.eltech.in

FOOD & BEVERAGES | PESTICIDES | OIL & LUBES | COSMETICS | CHEMICALS | PHARMA

About Company

Eltech Engineers is an ISO 9001: 2015 certified Indian Company established in 1992 over the last 25 years company engaged in the manufacturing activity of corona treater, Static Charge Eliminator, Induction Cap Sealer, Ozone generator and static chargers.

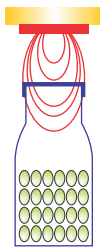
We are based in Mumbai (Maharashtra), India, with world class manufacturing facilities. Over the years we have grown from a 250 sq ft manufacturing facility to around 6500 sq. feet The unit is equipped with all the latest machines and technology to produce products of international standard. Utilizing our sophisticated infrastructural facilities, we are capable to offer innovative and high quality solutions and products to give our clients a competitive edge in the market place.

We have a strong team for failure analysis & corrective action that has helped achieving zero-defect product. It works in close association with the customers for attaining better understanding of the end user's needs.

For the above reasons our products are exporting in African, Asian and Gulf countries

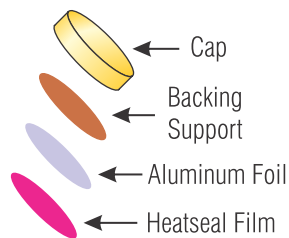
Introduction

Sealing Theory



Induction sealing is a non-contact heating process, which is used to bond a foil disk or to seal the opening of a container. The technique provides the user with a tamper evident seal.

Cap foil construction



Operating Principle

The principle of operation lies in the cap, which passes through an electromagnetic field generated by an induction sealing head on a conveyor. The electromagnetic field induces a high electric current in the foil of seal. This causes the foil in the seal to heat. A coating laminated to the aluminum disk fuses and softens to the mouth of the bottle.



Advantages

- ✓ Tamper Evidence - Deter Pilferage
- ✓ Increased Shelf Life - Product Freshness
- ✓ Free from oxidation and contamination
- ✓ Sealed for consumer confidence
- ✓ Leak Prevention - No Rejection, hence enhanced profits
- ✓ A sealed product is perceived to be safe and hygienic

Wide Applications

- | | | |
|---------------------------|-----------------------------|---------------------------------|
| ◆ Food And Beverage | ◆ Chemical Industry | ◆ Edible Oils |
| ◆ Bottled Water | ◆ Agro Chemicals | ◆ Lubricating Oil / Coolants |
| ◆ Dairy Products | ◆ Insecticides / Pesticides | ◆ Cosmetics And Personal Care |
| ◆ Pharma / Nutraceuticals | ◆ Petro Chemicals Products | ◆ Herbal Powders / Chyavanprash |

Eltech H-500, Hand Held Induction cap sealer

Eltech H-500, Hand Held Induction cap sealer is specifically designed for packagers who require a Table top sealing process with low production volumes. The table top model is compact and ideal for production environments where a bottle conveyor is not practical. A digital timer lets the operator know when the sealing process is completed.





Eltech H-500

Benefits :

- ✓ User friendly
- ✓ Fast and easy set up
- ✓ Light weight design ensure easy mobility
- ✓ Continuous use, Rugged Built - Ensures long serving life
- ✓ Safe, reliable and compact

Ideal For Laboratory Use, Stability Testing, R & D Facilities, Short Runs, Test Marketing Where Bottle Conveyor Is Not Practical

- Can seal foil caps upto 4 to 6 caps per minute.
- Caps with diameters from 20 mm~100 mm or 60 mm~120 mm can be sealed.
- Digital up/down timer, which ensures accurate recording of time and optimum sealing.
- No tools are required for adjustment or set up.
- Requires No Water, 100% Air Cooled, Silent and has No Discharge.

Technical Specification :

Input power : 230 V, AC, 50 Hz

Output power : 500 watts maximum.

Can seal foil caps up to 4~6 Bottle/Minute.

Cap size : 20mm~100mm / 60mm~120mm

Dimension : 340 X 290 X 130 mm (LxBxH)

Weight : 4.5 Kg Net / Packed : 6 kg

Eltech S-500, Semi Automatic Induction Cap Sealer

Eltech S-500, Semi-Automatic Induction Cap Sealer is specifically designed for packgers who require a semi-automatic sealing process with low production volumes. The table top model is compact and ideal for production environments where a bottle conveyor is not practical. Built-in guides ensure operators properly line-up containers for sealing. A digital timer lets the operator know when the sealing process is completed. This model is suitable for batch type production and can be used continuously for 24 hours x 365 days.



Technical Specification :

Input power : 230 V, AC, 50 Hz

Output power : 500 watts maximum.

Can seal foil caps up to 8~10 Bottle/Minute.

Cap size : 20 mm~100 mm or 60~120 mm

Dimension : 400 X 340 X 690 mm (LxBxH)

Weight : 23 Kg Net / Packed : 40 kg

Ideal For:

Laboratory Use, Stability Testing, R & D Facilities, Short Runs, Test Marketing, or Where Bottle Conveyor Is Not Practical

Benefits :

- ✓ User friendly
- ✓ Fast and easy set up
- ✓ Light weight design ensure easy mobility
- ✓ Continuous use, Rugged Built - Ensures long serving life
- ✓ Safe, reliable and compact
- ✓ Aluminum Up / Down Profile

- Can seal foil caps upto 4 to 6 caps per minute.
- Caps with diameters from 20 mm~100 mm or 60 mm~120 mm can be sealed.
- Digital up/down timer, which ensures accurate recording of time and optimum sealing.
- No tools are required for adjustment or set up.
- Requires No Water, 100% Air Cooled, Silent and has No Discharge.

Online Automatic Air Cooled Induction Cap Sealing Machine - AC 2000



Detailed Features :

- ▶ Advanced IGBT technology provides high control of the sealing
- ▶ Micro Processor Controlled 100 % digital variable output
- ▶ Efficient air-cooled inverter and sealing coil design, Operation at ambient temperature
- ▶ Save Power : Latest Solid State semiconductor technology ensures reliability. It has more than 90% power conversion efficiency, so less power is required.
- ▶ Easily Movable : The machine is mounted on Castor wheel based unit, which provides added mobility. Easy for line changeover.
- ▶ Eltech AC2000 can be mounted on to your existing conveyor belt.
- ▶ Rugged : built to last, for continuous use
Safe, Reliable, Compact and Light weight
- ▶ Safety & Protection Alarms : Built in protection circuitry for :
Over Current / Over Voltage / Over Temperature
- ▶ User Friendly : No Tuning, No Tools,
just plug it into 230V Single phase mains power supply and seal.
- ▶ Can seal PET / HDPE / PP / LDPE / PVC Container
- ▶ Caps with diameters from 20~60mm or 60~120mm may be sealed
- ▶ Sealing speed : 40~120 container / minute
- ▶ Coil movement : Standard 300 mm
- * DIGITAL POSITION INDICATOR
This Drive helps in online reading of the height of the coil and can provide consistent results and readings while induction sealing.
This feature facilitates quick set up. No tools required.

Key Features :

- ✓ Advanced IGBT technology
- ✓ Micro Processor Controlled
- ✓ Operation at ambient temperature
- ✓ More than 90% power conversion
- ✓ User Friendly, Easily Movable
- ✓ Rugged, Safe, Reliable
- ✓ Safety & Protection Alarms

This system has many optional value added accessories like :

- ◆ No Foil Detector
- ◆ Auto Stop system
- ◆ Auto Start system
- ◆ Bottle Jamming detector
- ◆ Total production/ bottle counter
- ◆ Conveyor Stop system
- ◆ Automatic Rejection System / Pneumatic Rejection System for "No Foil Caps"
- ◆ All monitoring systems can be turned ON and OFF and operate independently from the rest

* Accessories are optional & not included in the standard scope of supply.

Due to our policy of continuous Research & Development, Design & Specifications may change for improvement of the products.



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Manufacturers of :

Induction Cap Sealer
Corona Treater, Plasma Treater,
3D Corona Treater, Static Eliminator
Ionizing Air Gun, Ionizing Air Blower,
Static Charger, Ozone Generator

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