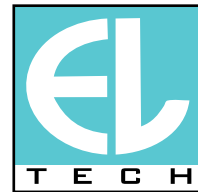


# Eltech Engineers



**AIR**

**COOLED**

**INDUCTION**

**CAP SEALER**

*Sealed for Protection*  
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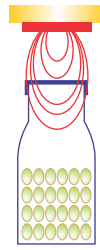


For more information, please visit  
[www.eltech.in](http://www.eltech.in)

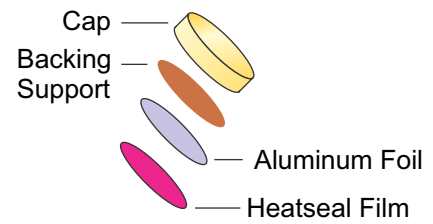
## Introduction

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 technical provides the user with a tamper evident seal.

### Sealing Theory



### 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

## Air Cooled Automatic Induction Cap sealing Machine Features

- Advanced IGBT technology provides high control of the sealing
- Efficient air-cooled inverter and sealing coil design
- Trolley for one piece shifting from one production line to another
- Caps with diameters from 20-60 mm may be sealed
- Sealing speed : 40-50 container / minute
- Coil movement : standard 300 mm
- Can seal PET / HDPE / PP / LDPE / PVC Container
- User friendly
- Fast, easy set-up
- Continuous Use: Rugged, built to last
- Safe, reliable, compact and lightweight
- Castor wheels are provided to easy line changeover
- Micro Processor Controlled
- 100 % digital variable output
- Operation at ambient temperature

## Safety & Protection Features

- ✓ Protection against over voltage
- ✓ Protection against over Temperature
- ✓ Protection against over current
- ✓ Conveyor stop trip

## Features

- ✓ Easily Movable : The machine is mounted on a wheel based unit, which provides added mobility. Easy for line relocation.
- ✓ Save Power : Latest Solid State semiconductor technology ensures reliability. It has more than 90% power conversion efficiency, so less power is required.
- ✓ Safety / Protection Alarms : Built in protection circuitry for Over Current / Over Voltage / Over Temperature. All this comes at NO EXTRA COST.
- ✓ User Friendly : No tuning, no tools, just plug it into 230V Single phase mains power supply and seal.
- ✓ Safe, Reliable & Compact.
- ✓ Eltech 2000 can be mounted on to your existing conveyor belt.



**ONLINE AUTOMATIC AIR COOLED  
INDUCTION CAP SEALING MACHINE**



### Eltech Engineers

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