

The image shows a ProKing HF2500W induction aluminum foil sealing machine. The machine is primarily blue and white. It features a control panel with a digital display and several buttons. A white outline of a bottle is superimposed over the machine, with concentric circles around its neck, representing the induction heating process. The machine is mounted on a stand with legs. The background is a solid blue color.

ProKing

HF2500^W

ProKing

CAP SEALING
INDUCTION

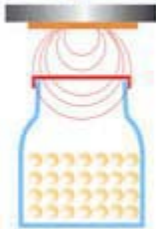
**Induction Aluminum Foil
Sealing Series**

Induction Aluminum Foil Sealing Series

Basically, the magnetic induction sealing is a non-contact sealing operation. The bottles to be sealed are fed through a conveyor. When the bottles reach the electro-magnetic field, they will be magnetized through an electro-magnetic induction effect. The aluminum foil is quickly heated to the desired temperature. The content of the bottles is not induced by the electro magnetic field, but the heat seal film with aluminum foil attached on the cap (such as FDA approved inner seal) is induced by the electro magnetic field. When the aluminum foil is heated by the induction coil, the heat is then transferred to the heat seal film, which quickly reaches the melting point, and becomes an adhesive to bond the cap foil and bottle.

The result is that the contents in the bottle are well protected by cap foil, excellent for pharmaceuticals, food, beverages, fuel, etc. This sealing effect not only effectively protects the products, but also prevents the products from spraying due to dropping or flowing out due to squeezing. This also provides an easy way for end users to ensure that product has not been tampered with. Additionally, the magnetic induction sealing machine reduces production and management costs.

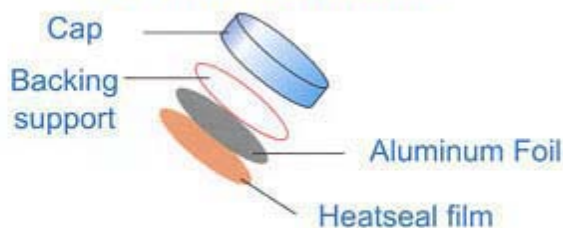
Sealing theory



Protection



Cap foil construction



HF-500

The Best Ever Investment For Small and Family enterprises

Compactly constructed and effective sealing performance. The HF500 is specially designed for small enterprise. It seals almost all sizes of cap, providing the same outstanding performance as a big machine. The unit is excellent for small factories, low quantity production and laboratory applications.



Ready For Mass Prod

For various kinds of cap sealing pro can be ready in the shortest time. W ponents in-house, so that installation in only one hour. Capacity from 20 feed speed up to 80 meters per min

APPLICATIONS

Suitable for non-metal containers of glass or plastic bottles, such as
 ABS, PE (HDPE, LDPE), PET, PP, PS, PVC
 Suitable for screw caps, tamper-proof caps, etc.
 Suitable for food, beverage, pharmaceuticals or chemical industries
 Bottle cap O.D.: 6~120mm.



FEATURES

- Fast and efficient. The foil seals tightly without being affected by moisture, grease or powder contamination on sealing area.
- The detector checks the presence of foil. It sends a signal when foil is missed in a certain cap. This prevents unsealed products from being delivered.
- Safe in use. The machine is built with protection circuit to protect against electric current overload, voltage overload and output overload.
- Easy & simple to use. All functions are clearly labeled on the display panel, which is convenient to access.
- Modular component design minimizes maintenance requirements.
- Broad range of applications can be simply setup by button
- Solid state elements contribute high efficiency yet low power consumption.
- Quick adapters on power and control wires provide easy replacement.
- The IGBT/MOS-FET module provides high efficiency, low power consumption and long service life.
- Height of Electro-magnetic coil is adjustable, flexible for a range of bottle heights.
- Employs European plastic steel chain blocks combined with standardized accessories for long service life.

Specifications

MODEL	HF-500	HF-2000	HF-2500
Power Output	500W	2000W	2500W
Input Voltage	110V or 220V/1ph	220V/1ph	220V/1ph
Max. Current	6A/3A	12A	15A
Cap Diameter	※25~60/60~120mm	※16~35/20~60mm	※16~60/35~80mm
Belt Speed		20~60m/min	Max80m/min
Cooling System	Air Cooled	Liquid Cooled	Liquid Cooled
Generator Type	IGBT	IGBT/MOS-FET	IGBT/MOS-FET
Frequency	30~60KHZ	50~100KHZ	50~100KHZ
Generator Size	370x200x387mm	430x220x387mm	560x270x250mm
Coil		110x570x160mm	
Weight	9kg/1.2kg	20kg/6.5kg	

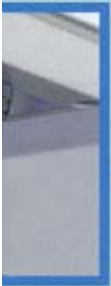
※ Special customerized cap size acceptable.

● All specifications, design and characteristics shown on this catalogue are subject to change without prior notice.

HF-2000

Fully Modular Aluminum Foil Sealing Machine

The entire machine is constructed of high quality modular mechanisms, such as heating generator, induction coil, conveyor, speed reducer, control box, elevation unit and stand. This machine features quick maintenance and creates great profits for the customer.



Reject Device

HF-2500

The modulus high efficiency performance Model

The modulus, high efficiency cap sealing machine fully automation. Combine the generator and induction coil together, ease installation and quick maintenance LCD display fuzzy and easy operation. Build-in all the innovated multifunction such as foil detector. total sum calculation.

Synchronized power adjustment etc. It is the latest and only solution of high speed and effective production.



Foil Detector

uction

duction. The configuration
e prepare and install all com-
ca be quickly accomplished
XW to 2500W. Maximum
te.



Our Commitment to clients:

- **Economy-** We provide high-tech, high efficiency and low priced equipment.
- **Broad applications-** Suitable for sealing various kinds of non-metallic bottles, caps & contents, from mass to batch production.
- **Easy maintenance-** Advanced SMT PCB with modular components that minimize maintenance requirements.
 - Can be deployed with production line or individual use.
 - Compact and portable design minimizes the need for site space.

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