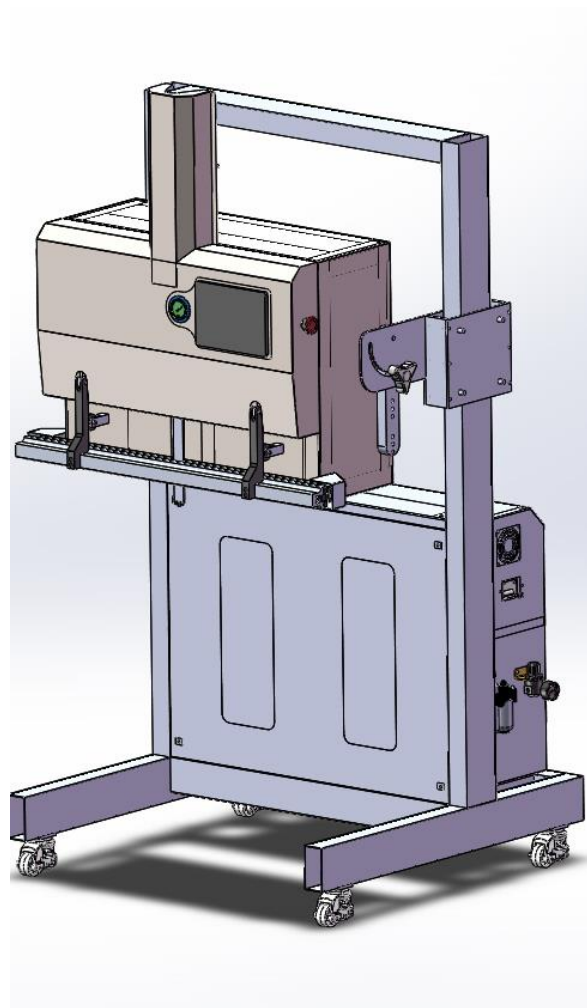


External Vacuum Packer



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I.Introduction

The DZ-L series external vacuum packaging machine is widely used in packaging, storage, and preservation fields. It vacuums the packaging bag and automatically seals it immediately, achieving high vacuum and no air inside the bag. This suppresses bacterial and microbial growth, prevents oxidation, mold, and decay of items, thus extending their storage time. Additionally, vacuum packaging can reduce the volume of soft items, facilitating transportation and storage.

II.Product Applications

It is suitable for vacuum and gas packaging of solid, powder, and granular items such as food, pharmaceuticals, local specialties, aquatic products, chemicals, semiconductors, electronic components, hardware, and grains. It effectively prevents product oxidation, corrosion, mold, moisture resistance, and preservation, thereby extending the shelf life.

III.Features

The DZ-L series external vacuum packaging machine has numerous significant advantages. Firstly, it greatly extends the shelf life of products. By removing air from the packaging, it inhibits microbial growth and oxidation reactions, allowing perishable products like food and pharmaceuticals to remain fresh with effective ingredients for a longer period. For sensitive products like electronic components and precision

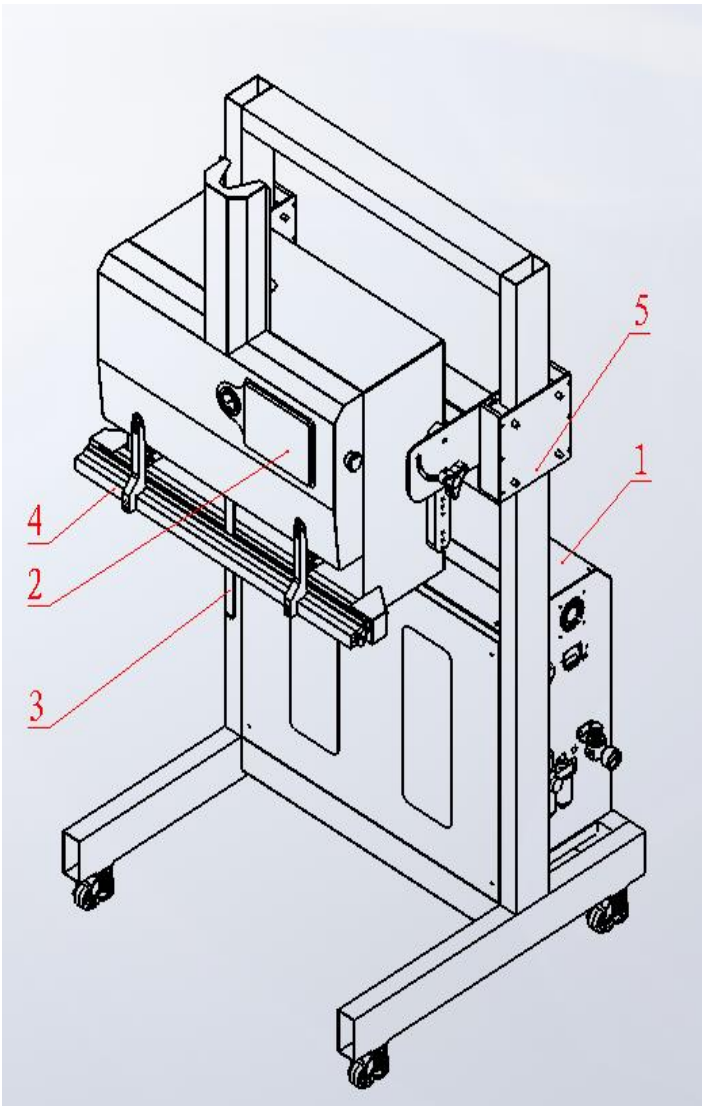
instruments, the external vacuum machine prevents moisture and dust ingress, ensuring their performance and reliability. The machine's flexibility is also a major feature. It can accommodate various irregular shapes and large volumes of items, achieving ideal vacuum packaging results whether it's soft textiles, bulky metal parts, or fragile glass products. Moreover, the equipment is easy to operate; trained operators can quickly master it. Intuitive control panels allow for easy setting of parameters such as vacuum level and sealing time, achieving precise packaging control.

IV. Parameters

Model	Voltage	Pumping power	Sealing power	Pumping rate	Size of machine	N.W
DZ-600L	220V/50Hz, 110V/60Hz	0.9kw	700W	20m ³ /h	95 X 91 X169 cm	165KG
DZ-800L	220V/50Hz, 110V/60Hz	0.9kw	900W	20m ³ /h	95 X 91 X169 cm	175KG
DZ-1000L	220V/50Hz, 110V/60Hz	0.9kw	1100W	20m ³ /h	105 X 91 X 169 cm	185KG

V. Structure and Principles

The external vacuum machines suck air from packaging bags or containers through an exhaust nozzle. Its operation principle is based on the negative pressure generated by a vacuum pump, which removes air from the packaging and ensures the sealing integrity through a sealing device.



1.Vacuum and Inflation System:

This system generates positive and negative pressures, extracting air and inflating as required.

2.Touch Panel:

Used for setting parameters such as vacuum level and pumping time, starting and stopping the equipment.

3.Exhausting Nozzle:

Connects to packaging bags or containers to extract air.

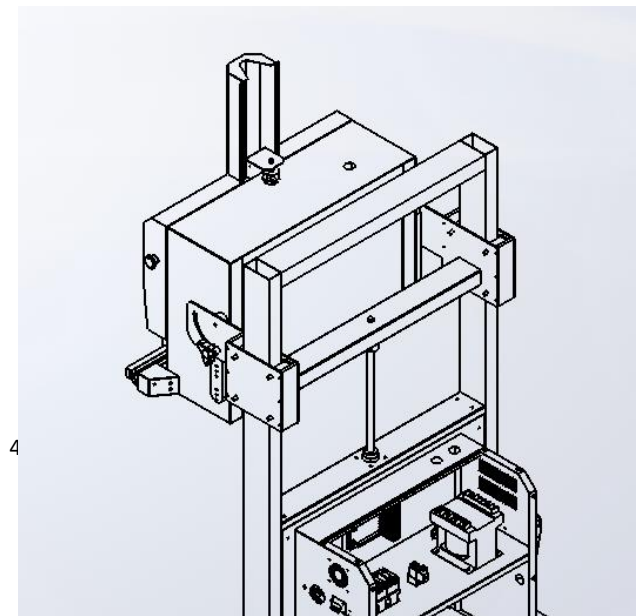
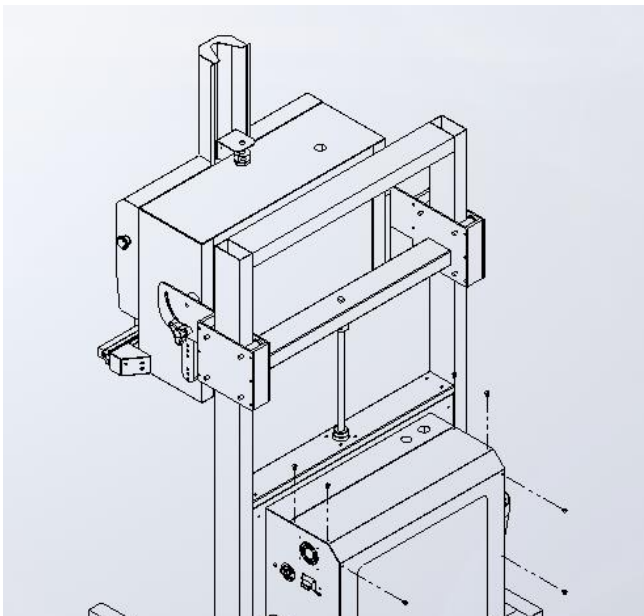
4.Sealing Device:

to hold the bag with the clamp then to seal the bag during the vacuum extraction process.

5.Housing and frame:

Provides structural support and protection for the equipment.

VI.Adding and Changing Operations

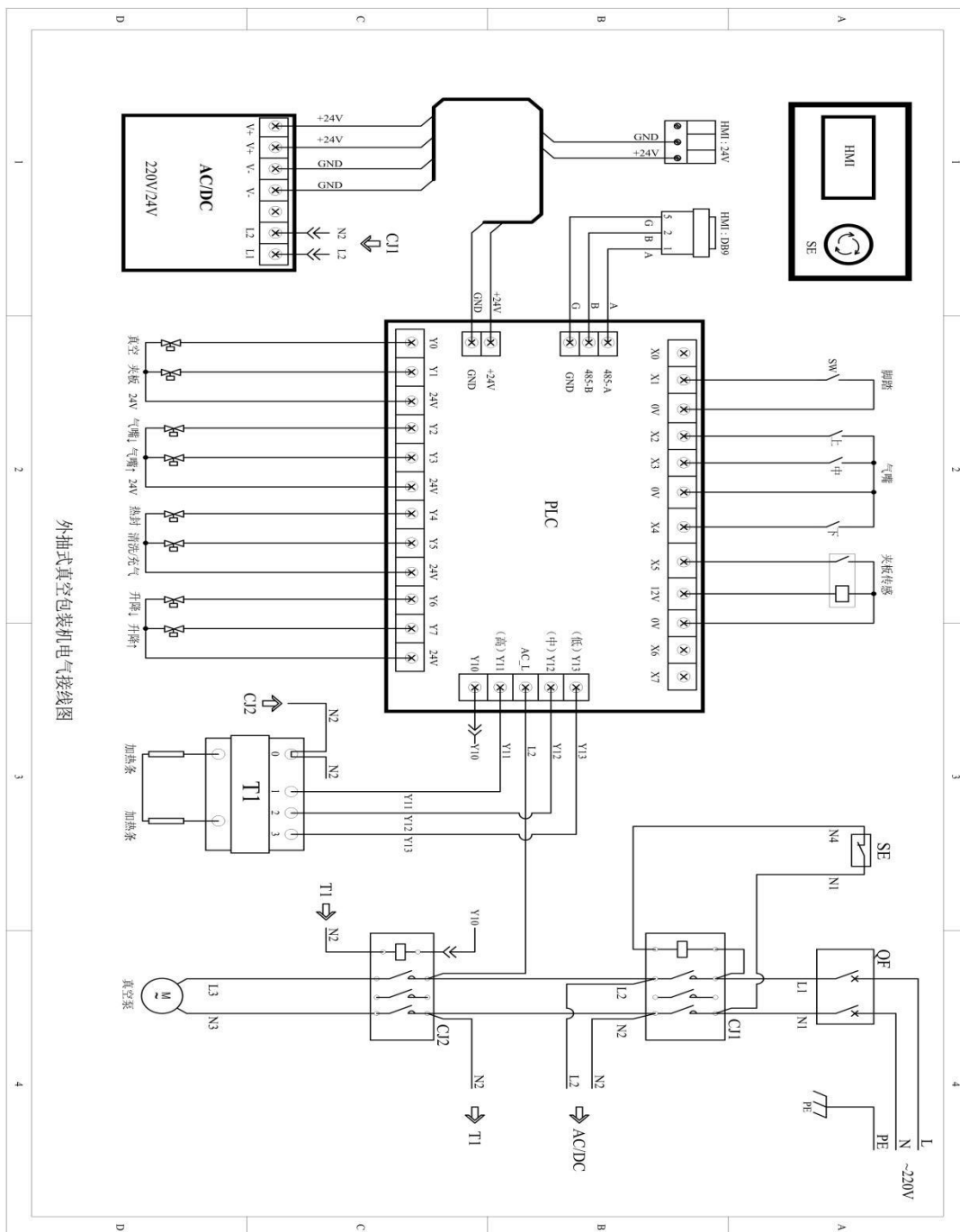


- i、 Remove the rear cover screws with a screwdriver.
- ii、 Open the vacuum pump oil filler cap and pour vacuum oil into the oil port.
- iii、 Attention: The amount of vacuum oil should not exceed 3/4 of the oil window. After 120 hours of accumulated use, drain the old oil and replace it with new vacuum pump oil.

VII. Electrical Diagram

The normal stand is normally single-phase 220V / 50 Hz or 110V /

60Hz, for other voltage maybe different and should be customized.



VIII. Operating Instructions

Preparation:

- i、 Check the equipment for any damage or loose parts.
- ii、 Ensure the equipment is placed in a stable, dry, and well-ventilated environment, free from flammable or explosive materials.
- iii、 Connect the power supply and ensure it matches the date plate.
- iv、 Make sure outlet, adapter, socket and cords are in good condition.

Operation:

- i、 Turn on the equipment power switch; the indicator lights on the screen panel.
- ii、 According on the bag size and product characteristics, set the vacuum and sealing times. Vacuum time depends on volume of air , while sealing time adjusts according to bag material and thickness.
- iii、 Place the product into the bag, and position the bag flatly under the exhaust nozzle.
- iv、 Press the start button to activate the vacuum pump, extracting air from the bag.
- v、 Once the set vacuum time elapses, the vacuum pump stops . After sealing, remove the packaged product.

Cautions:

- i、 Do not insert hands or other objects into the exhaust nozzle or sealing device during operation to prevent injury.
- ii、 Regularly check the vacuum pump oil level; add oil promptly if it's low.
- iii、 Regularly clean the dirt from the nozzle and sealing device.
- iv、 In case of equipment malfunction or abnormal conditions, stop using it immediately and contact professional technicians for repair.

IX.Maintenance

- i、 At the end of each workday, turn off the power and clean dust and debris from the equipment .
- ii、 Regularly inspect electrical connections for looseness and tighten it if necessary.
- iii、 Periodically calibrate and adjust the sealing device to ensure stable sealing quality.
- iv、 Follow the equipment user manual for comprehensive maintenance, including replacing consumable parts.
- v、 Regularly clean the equipment, especially the exhaust nozzle and sealing device, to ensure proper operation.

vi、 Charge the vacuum oil when it is dirty.

X.Packing list

Name	Model	Quantity	Remark
Vacuum machine	DZ-L series	1	
User manual		1	
Vacuum oil	100#	1 bottle	
Heating element	0.2X8mm	1 roll	
Teflon cloth	50X2000mm	1 roll	
Screwdriver	6#	1 piece	

Hex wrench	Φ5φ6	2 pieces	Each model one piece
Double-ended wrench	8-10 12-14 17-19	3 pieces	Each model one piece