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WD-150A Automatic Shrink Wrapping Packing Machine



Technical parameter:

- facility type: WD-150A type
- facility external size: L5050×W3300×H2100mm
- wrappage max size: L600×W400×H350mm
- shrinkage film size: PE、PVC、POF
- shrinkage thermo thickness: 0.03-0.15mm
- thermo shrinkage tunnel temperature: 160 - 260°can adjust at will.
- max output per minute: 8-12bag
- facility power: 18Kw
- actual power: 15Kw/hr
- pressure requirement: 380/220V
- facility weight: 1.2T
- fan machine: 1.1Kw 2set 380V, 65W 4set 380V



Facility basic configuration:

- Thinget: 5.7 inch touch screen, PLC controlling system
- Taiwan AIRTAC pneumatic component 1set
- Taiwan Telta frequency converter 3 set
- stainless steel wing heating tube 12 piece
- China-America cooperation Teflon convey belt.
- Shanghai Hemei electric-motor and Zhejiang Taili worm speed-regulation machine.
- South-Korea Autonics photoelectric switch, proximity.
- thermo sealing knife aluminium-mould heating board, even temperature, long life, our company special production.
- Whole machine plastic-sprayed, machine rack adopt to high-quality carbon steel, main part adopt to stainless steel.
- bottle convey machine length: 2600mm
- Carton and wrappage film pack separately.

Product description:

- frequency converter speed adjust、two segment convey device.
- Bottle pushing, thermo sealing and cutting whole movement adopt to pneumatic fracture.
- Proximity switch control film length.
- Touch screen, PLC system greatly increase facility movement reliability.
- double-wind recycle fan machine, ensure shrinkage tunnel inside even temperature.
- super big wind-volume cooling system, ensure quickly get into shape .
- anti-high temperature teflon convey belt, convey steadily, high-strength anti-abrasion.
- frequency limitless speed adjust convey belt frame.
- convey belt height can make according client requirement, adjust range:±50mm
- bottle convey machine can meet with client bottle forward direction requirement, can lengthen or shorten.
- wing stainless steel heating system, endurance.
- meet with product instant stop requirement product-bearing rack device ensure production line consistency.



Technical condition and requirement:

- 1、 package type:
 - (1)350/500/550/600ML big bag: 4x6, 4x5 ;small bag、 3x4, 3x5 four type of package.
 - (2)1L / 1.5L / 2L / 2.5L big bag: 3x3, 3x4;small bag、 2x2, 2x3 four type of package
- 2、 Regarding can, we suggest adopt to package with tray, pack steadily.
- 3、 package speed: 8—15bag / min
- 4、 meet with pre-treatment filling speed of filling machine.
 - (1) 350/500/550/600ML big bag: 4x6, 4x5, (12000—15000b / hr) 、 small bag: 3x5, 3x4, (8000—10000b / hr) .
 - (2)1L / 1.5L / 2L big bag: 3x4, 3x3(5000—6000b / hr) 、 small bag: 2x3, 2x2 (3000—4000b / hr) .
- 5、 package material: PE thermo shrinkage film width (200—600mm) , thickness (0.08—0.12mm)

Solution:

- 1 、 according production line, auto arrange, and combine our company WD-150A automatic sealing and cutting mature structure, as the machine fracture.
- 2 、 the production line can match with any company filling device. For it stability, the production line main component all adopt to import, joint venture famous brand.
3. If pre-treatment filling machine output is comparatively high, can divide two-way, auto seal and cut at the same time, to meet with output requirement, among WD-150A fracture has original creation, it is the highest-efficiency, highest economical collocate at the same time.
- 4 、 PE film adopt to flake, upper and down roll, auto seal and cut to roll type and up to shrinkage efficiency,

Production procedure:

Wrappage from single-line 90°change to multi-line again divide 1、 2、 3、 4 line via bottle division board, via the front 1、 2、 3、 4 bottle separately reach photoelectric inspection, convey belt stop, place-limit gas-cylinder work, wrappage was conveyed to cutting and sealing machine to seal and cut, wrappage was conveyed to contraction machine to contract via convey device, again convey to



stock rack via cooling convey belt, when the first bag convey to contraction machine, the second bag auto arrange, then conveyed to sealing and cutting machine via pushing cylinder, again repeat the first bag recycle procedure.

Criterion collocation function: (three part)

- 1、WD-150A auto convey fracture; joint filling machine convey belt, divide two passage or one passage, control via frequency converter, speed adjust freely, can auto divide and sort bottles .
- 2、WD-150A automatic film wrappage fracture, cam complete wrappage auto film covering and sealing, cutting function.
- 3、WD-150A auto thermo shrinkage cooling fracture, can auto contraction and cooling function after film covering.

Main component detail list:

No.	Name	Number	Brand
1	board production component		
2	Plant metal component		
3	pneumatic component	1	Taiwan Airtec
4	Electric controlling component and accessory		
	Photoelectric switch	4	South Korea Autonics
	Proximity switch	2	South Korea Autonics
	PLC	1	Thinget
	Touch screen	1	Thinget
	Frequency converter	3	Taiwan Telta
	AC contactor	3	France Schneider
	Mid-relay	8	France Schneider

Loading list:

NO	Name	Model	Number
1	Automatic film wrappage machine	WD-150A	1 set
2	Bottle convey machine	WD-150A	1 set
3	Thermo shrinkage package machine	WD-150A	1 set
4	Main controlling case	WD-150A	1 set
5	Convey machine rack	WD-150A	1 set
6	Wing heating tube	Making to order	2 piece
7	Thermo electric couple		1 piece
8	Tools		1 set
9	Frequency converter description		1 piece
10	Operation use description		1piece

Pictures of the Automatic Shrink Wrapping Packing Machine:



