



First Quality, Best Service. We provide not only the products, but also the SOLUTION

VPC-520 Paper Cutlery Making Machine

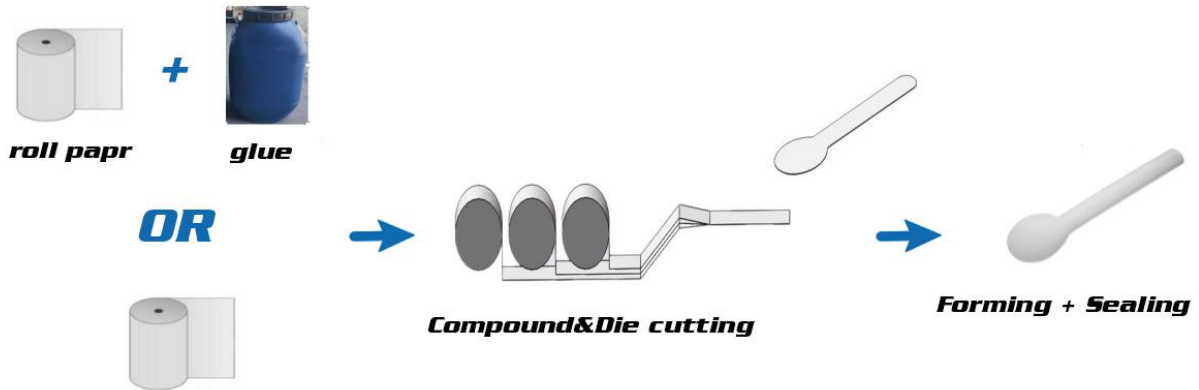
Compound die cutting unit



Forming unit



Sealing unit



Plastic free coated roll paper

- 1. Compound die cutting unit:** Compound multiple rolls of paper(paper with environmentally friendly glue or plastic free coated paper), and then cut it through the heat composite.
- 2. Forming unit:** Forming the semi-finished product, the robot arm move it to the molding station (mold is changeable), and the product after the molding will be stacked by the robot arm.
- 3. Sealing&Drying unit:** Sealing the formed product, adopt the rail fixture device, which will drive the product to put the product to the glue, dry, and collect the packaging after the output.





Technical Parameter:

MODEL	VPC-520
Applicable Products	Paper knife fork spoon
Raw Material	Paper: Paper cup paper Glue: Food grade water based glue
Max.Cutting Speed	300pcs/min
Max.Forming Speed	150pcs/min
Max.Sealing Speed	150pcs/min
Material Thickness	600-1000g
Max.Paper Layers	3-9layers
Total Power	65kw
Power Consumption	35-45kw/h
Power Supply	380V/50HZ(220V60HZ) Three-phase four-wire
Gas Consumption	≥2.0m ³ /min
Installation Area	100M ²
Weight	10000kgs
Die-cutting Machine Size	13*2.1*1.8m
Molding Machine Size	4.5*2.9*2.3m
Seal Machine Size	7.2*0.9*1.4m

Cost calculation

1. Paper:

Price is US\$1,000/ton, which can produce 0.2 million pieces. Cost is US\$0.005/pc

2. Compound Glue:

Price is US\$2,000/ton, can produce 2.2 million pieces. Cost 0.00091/pc

3. Sealing glue:

Price is: US\$5,500/ton, can produce 6 million piece, the cost of a single sealing glue is 0.000916/pc

Total cost US\$0.006826/pc





Compound die cutting unit



- Layer coating the raw paper with environmental protection glue
- Hot pressing and laminating 9 layers paper to 1 layer paper
- Out of shape with die cutting mold(Cutting mold is replaceable), Max speed 300pcs/min
- Semi-finished product stack on the conveyor belt and move to pick up spot

Main Component:

NO.	NAME	QTY	SPECIFICATION
1.	Touch screen	1pc	Inovance
2.	PLC Control system	1set	Inovance
3.	Die cutting servo motor	1pc	1.5kw Inovance
4.	Roller servo motor	8pcs	1kw Inovance
5.	Die cutting servo motor	1pc	4.4kw Inovance
6.	Temperature module	2pcs	Made in China
7.	Electrical	Whole line	Schneider
8.	Air cylinder	24pcs	Airtac,Taiwan
9.	Powder tension controller	9pcs	5kg Made in China
10.	Air shaft	9pcs	φ76mm Made in China





Forming unit



- Manually place the knife, fork or spoon into the fixed fixture
- Manipulator slide to forming station with semi-finished product (1 upper mold, 2 lower molds)
- Forming a complete shape, Max forming speed 170pcs/min
- Finished products are stacked on the conveyor belt and move to pick up spot

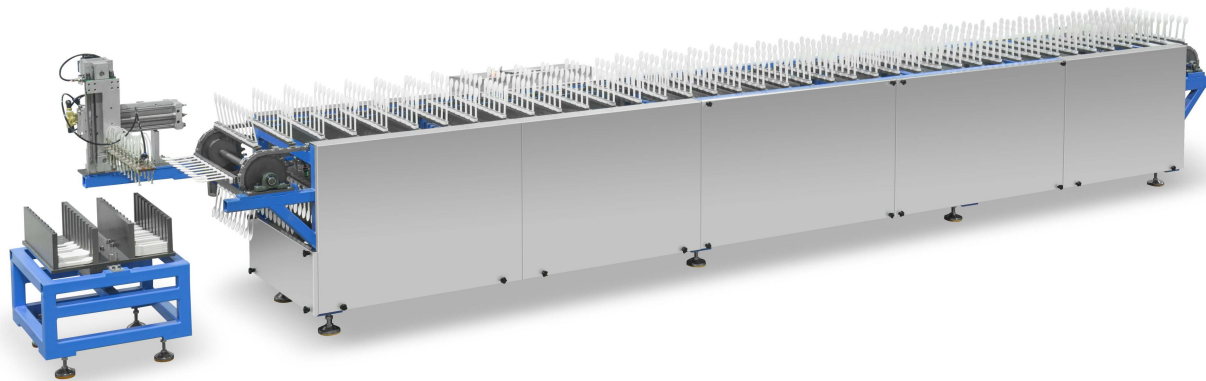
Main Component:

NO.	NAME	QTY	SPECIFICATION
1.	Touch screen	1pc	Delta Taiwan
2.	PLC Control system	1pc	Delta Taiwan
3.	Manipulator servo motor	4pcs	0.75kw Inovance
4.	Temperature module	1pc	Made in China
5.	Pressure Cylinder	2pcs	20T Made in China
6.	Vacuum pump	1pc	25L Made in China
7.	Electrical	Whole line	Schneider
8.	Touch screen	1pc	Delta Taiwan





Sealing&Drying unit



- Manually place the knife, fork or spoon into the fixed fixture
- Place finished product to rubber clip by manipulator
- Move to glue station finish glue sealing process with rail device
- Pick up sealed product after high temperature drying

Main Component:

NO.	NAME	QTY	SPECIFICATION
1.	Touch screen	1pc	Inovance
2.	PLC Control System	1pc	Inovance
3.	Glue disk servo motor	1pc	0.4kw Inovance
4.	Pathway servo motor	1pc	2kw Inovance
5.	Manipulator servo motor	1pc	0.4kw Inovance
6.	Temperature module	1pc	Made in China
7.	Electrical	Whole line	Schneider
8.	Heating tile	64pcs	Made in China





We also provide the packing machine, welcome to ask if you have any interesting.



Thanks for reading! Any questions or concerns please feel free to contact us.



Wenzhou VIE machinery Co., Ltd.

t: 0086-577-65839395 m: +86 150 5760 1439

a: Shangcheng Avenue 168, Wenzhou city, Zhejiang Province, China

e: info@viemachinery.com w: www.viemachinery.com

Find us on WhatsApp: +86 150 5760 1439

