

# N95 Mask Production Line





# Introduction of N95 Mask Production Line

- JNH mask machines are used for full-automatic folding mask production (typical models like N95 mask)
- The working process of JNH N95 mask machines are follows: the multi-layer non-woven fabric rolls are subjected to compound roll welding after feeding. nose strips are welded after unrolling and cutting. two rolls of rubber band are welded after automatically unrolling and cutting to designated length. then masks are folded in half. after ultrasonic welding and fusion, the masks are rilling-cut and formed. finally, we get finished N95 masks.
- The masks produced by JNH have great filtration effect, perfectly fit face of people and are comfortable to wear without causing any pressure. the masks can be applied to various fields, like medical, electronics, mining, construction, etc. JNH N95 mask machine uses PLC, touch screen control the main conveyor adopts unidirectional motor transmission, which can achieve precise movement, stable control and adjustable speed.

# Main Feature

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- Full automatic production line
- High stability, low failure rate, industrialized in appearance, sturdy without rust;
- Computer PLC programming control, servo drive, high degree of automation;
- Automatic tension control of raw material to ensure the balance of raw material tension;
- Photoelectric detection of raw material to avoid errors and reduce waste





# Technical Parameter

- ✓ Dimension: 10500\*1500\*2200 mm;
- ✓ Color: white, accept customized;
- ✓ Weight:  $\leq 5000\text{kg}$ , ground load  $\leq 500\text{KG}$
- ✓ Working power: 380VAC $\pm 5\%$ , 50Hz, Rated power: 15KW
- ✓ Compressor air: 0.6-0.8 Mpa, Flow rate about 200L/min;
- ✓ Operating environment: temperature 10-35°C, Humidity 5-35%HR, no flammable, corrosive gas, no dust ( cleanliness no less than 100,000);



## Function introduction

- We adopt advanced high-tech to successfully develop the N95 mask machine with high production speed, high stability and complete configuration;
- Putting raw material on feeding rack, the N95 mask machine will automatically produce mask after well debugging. Only one operator needs to deal with the packaging on production line, which realizes full automatic production. Ultrasonic welding is applied, so the machine is hygienic and environmentally friendly;
- The production efficiency is 30-35 piece/min. According to customer requirements, a variety of mask can be produced only by replacing some modules. This machine can produce various masks, including non-woven masks, smooth cloth mask, gauze mask, activated carbon mask, double nose strip mask, 3-6 layer of non-woven mask, etc.
- The machines are industrialized in appearance, stable in performance, low in failure rate, small in size. Aluminum alloy structure makes the machines sturdy without rust;



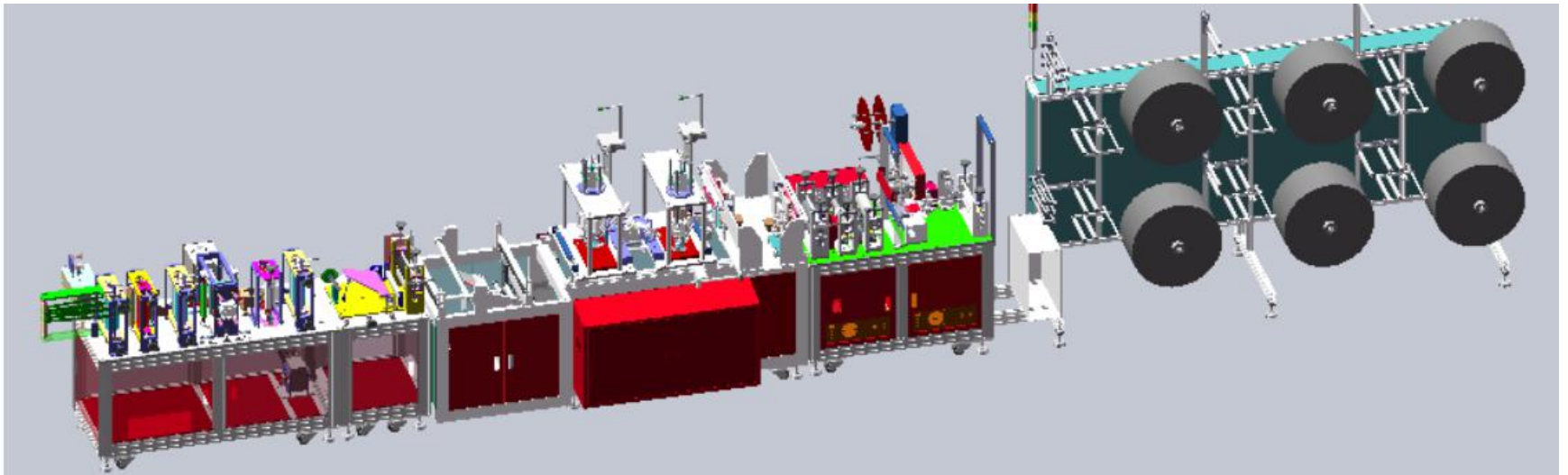
# Process chart flow

- Put raw material
- Automatic feeding
- Cut & insert nose strip
- Pattern welding
- Print LOGO
- Ear band feeding & welding
- Label
- Fold in half
- Form welding
- Cut waste
- Collect finished mask

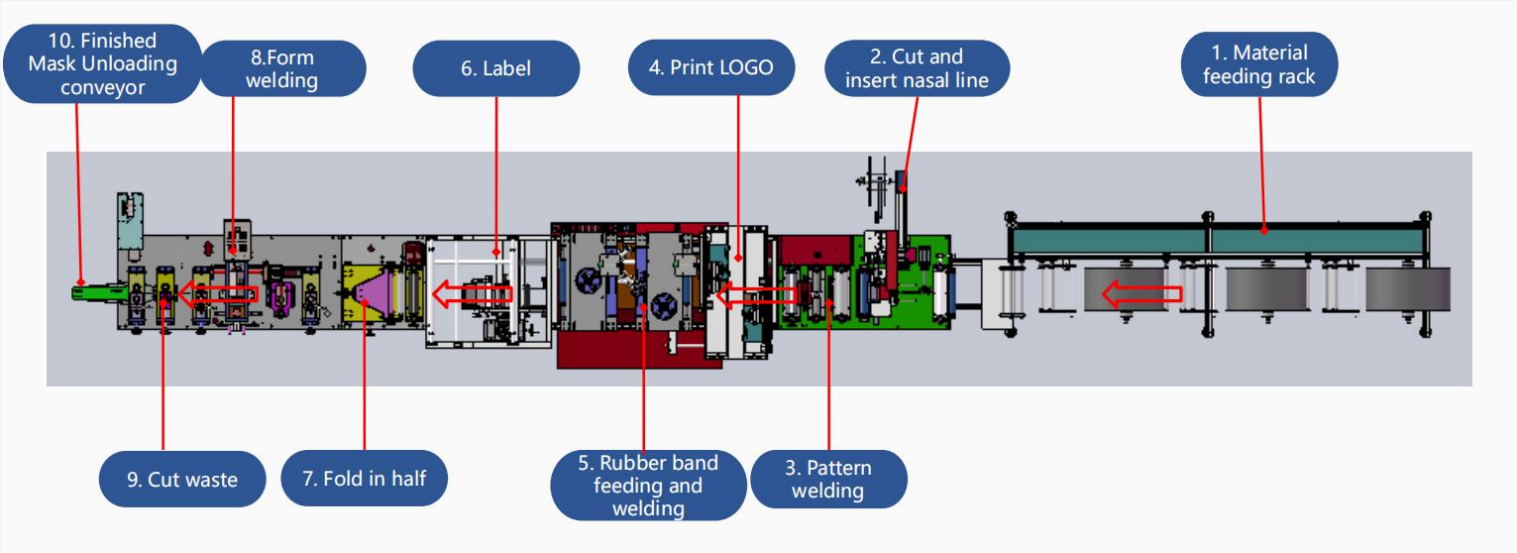


# Overall Layout

- Dimension
- L10500MM\*W1500MM\*H2200MM



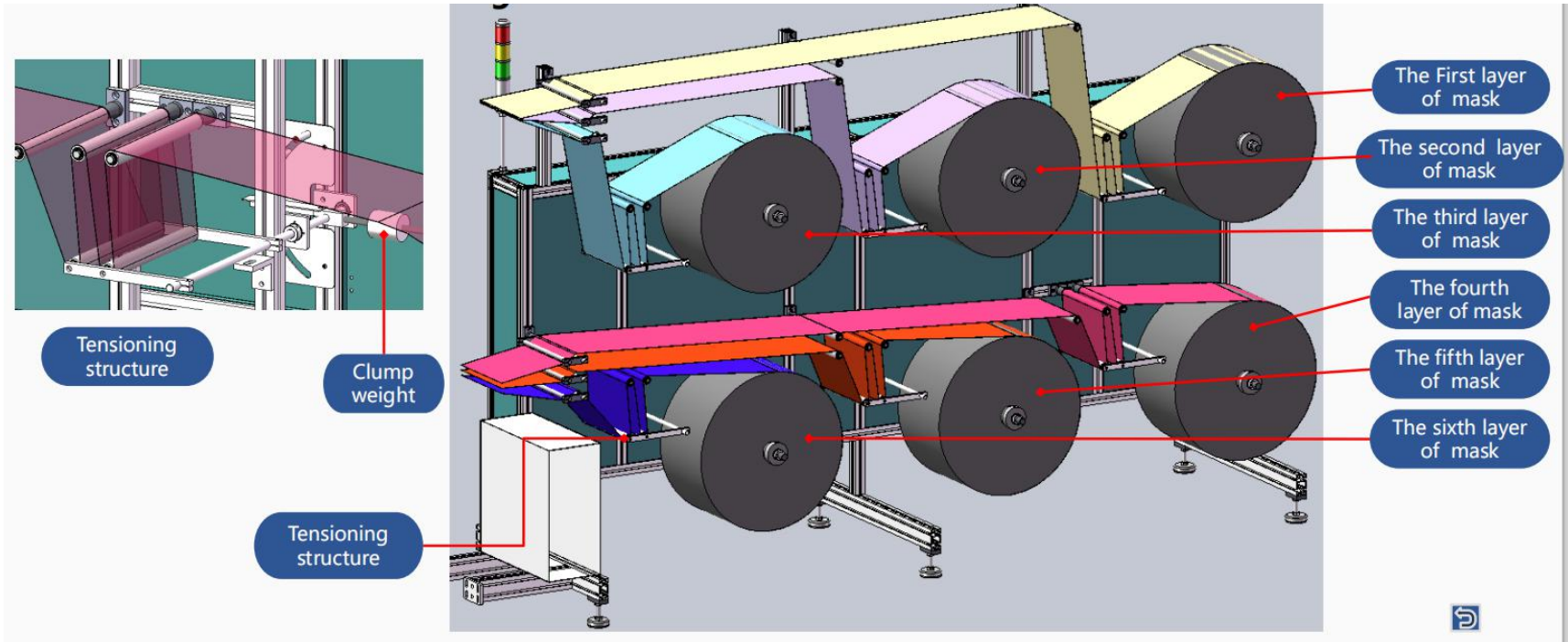
# Description





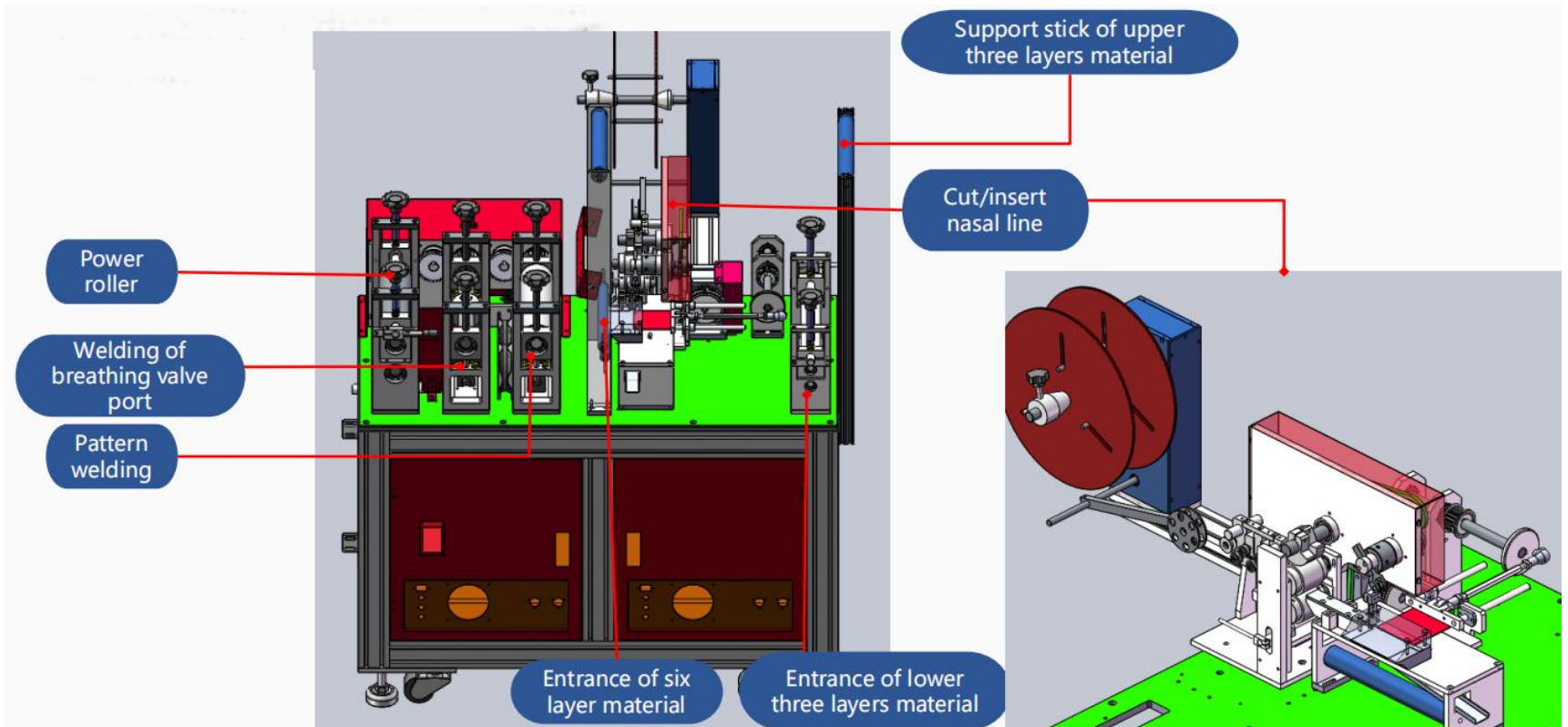


# Introduction of roll feeding



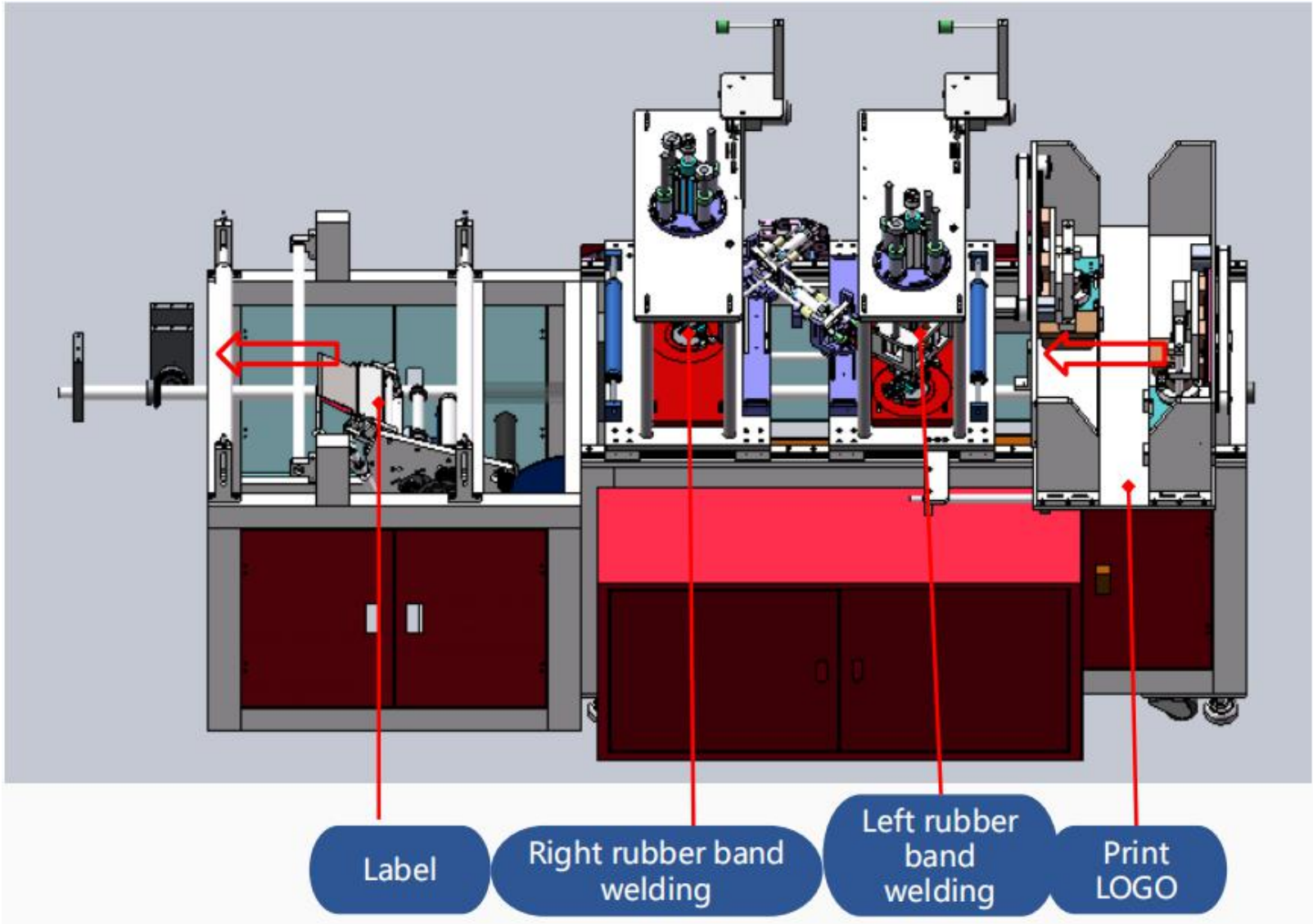


# Introduction of fore section



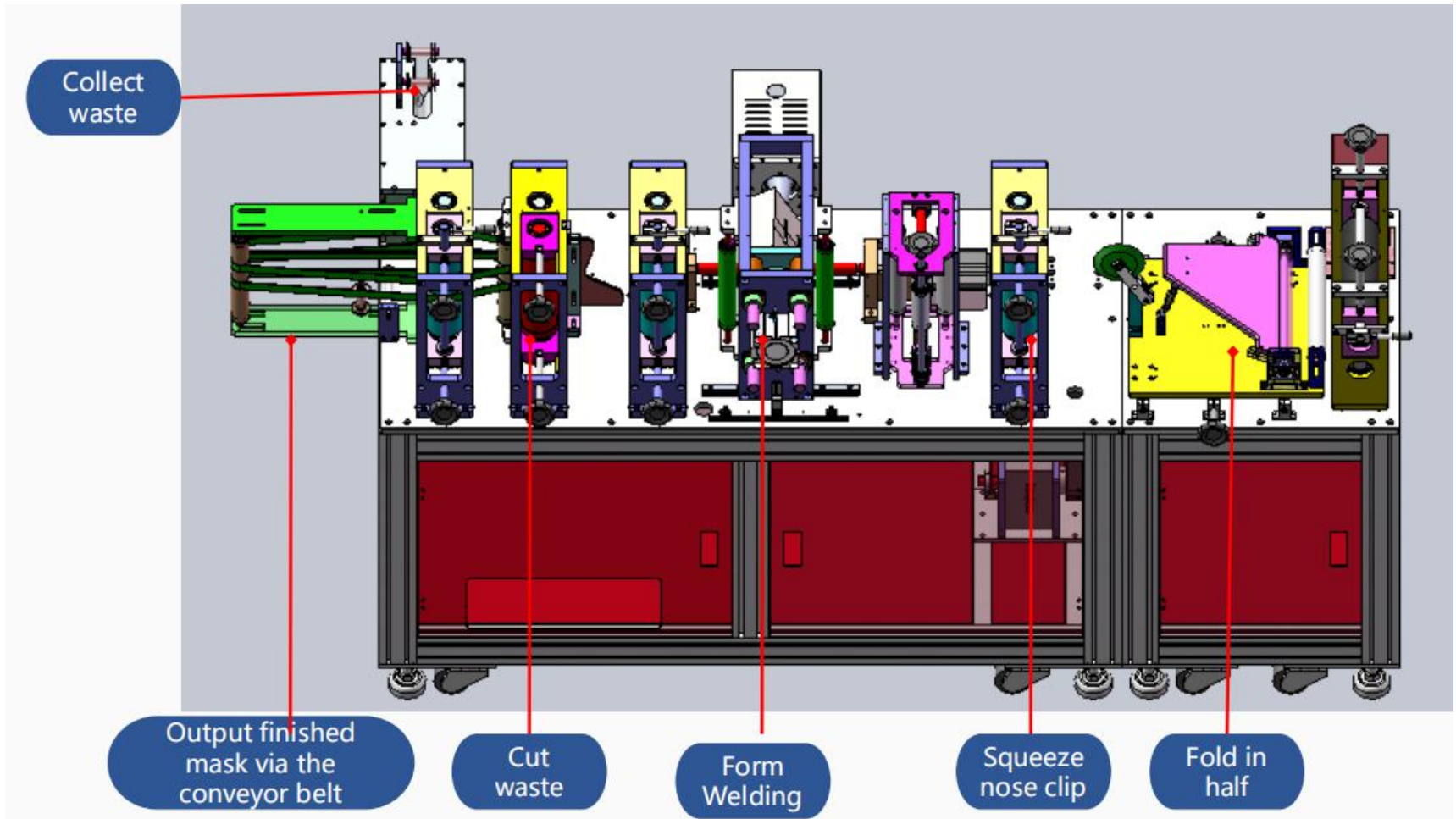


# Introduction of intermediate section





# Introduction of last section





## Advantage description

- High production efficiency
- Full computer PLC control, high degree of servo/step drive/automation, high stability and low failure rate;
- Photoelectric detection of raw material to avoid mistakes and reduce waste;
- Photoelectric detection and automatic counting in process of production (including total count and batch count);
- Can produce the following 3 kinds of masks



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