

ESTUN
AUTOMATION



智能装备核心功能部件

使命 - 我们提供信任，精度和效率！
愿景 - 人人享受自动化！
价值观 - 专注，诚信，共成长！

Full automatic machine for face mask production



Estun Automation



未来工厂
智能化 信息化 机器人
Future Factory
Intelligent Digital Robot

CONTENT



Automatic Surgical mask making machine



Automatic Folded mask making machine

We are offering Reliability, Accuracy & Efficiency!

Automatic Surgical mask making machine :

1、 Introduction:

This mask making machine can realize automation control, which includes automatic nonwoven fabrics unreeling, automatic pleating, slicing, earloop welding and product-sending out processes.

The finished products are comfortable to wear, perfectly attach onto face without any oppression feeling, suited for medical industry ,electronics industry ,mining industry , construction industry and catering industry.

2、 Specification:

Net Weight: ≤ 5000KG;

Input: AC220V,50Hz;

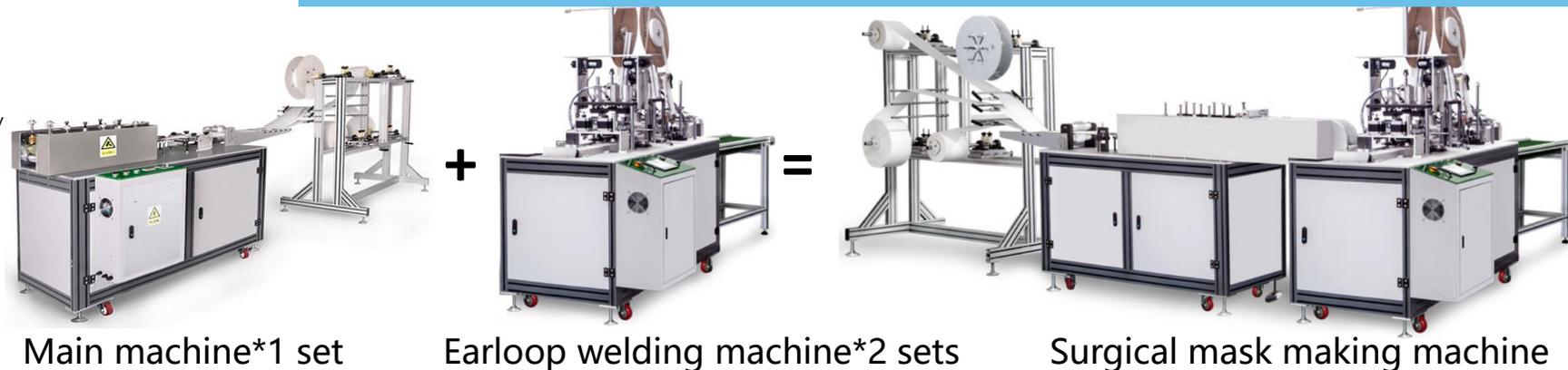
Power: ≤ 6kw;

Air pressure & consumption : 0.5-0.6Mpa, 0.03m³/

Dimension : L4600mm*W4500mm*H1800mm;

Machine capacity : 80~120pcs/min

Ear loop welding capacity: 40-60pcs/min



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Automatic Surgical mask making machine :

Nonwoven Fabrics Unreeling



Folding/Pleating



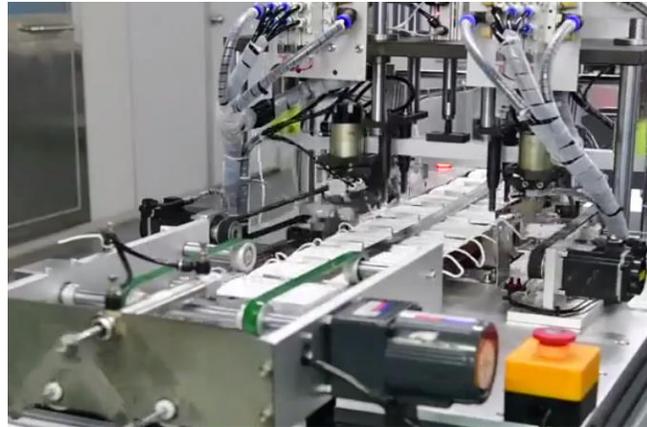
slicing



Feeding to welding station



Earloop welding



Finished product



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Automatic Surgical mask making machine :

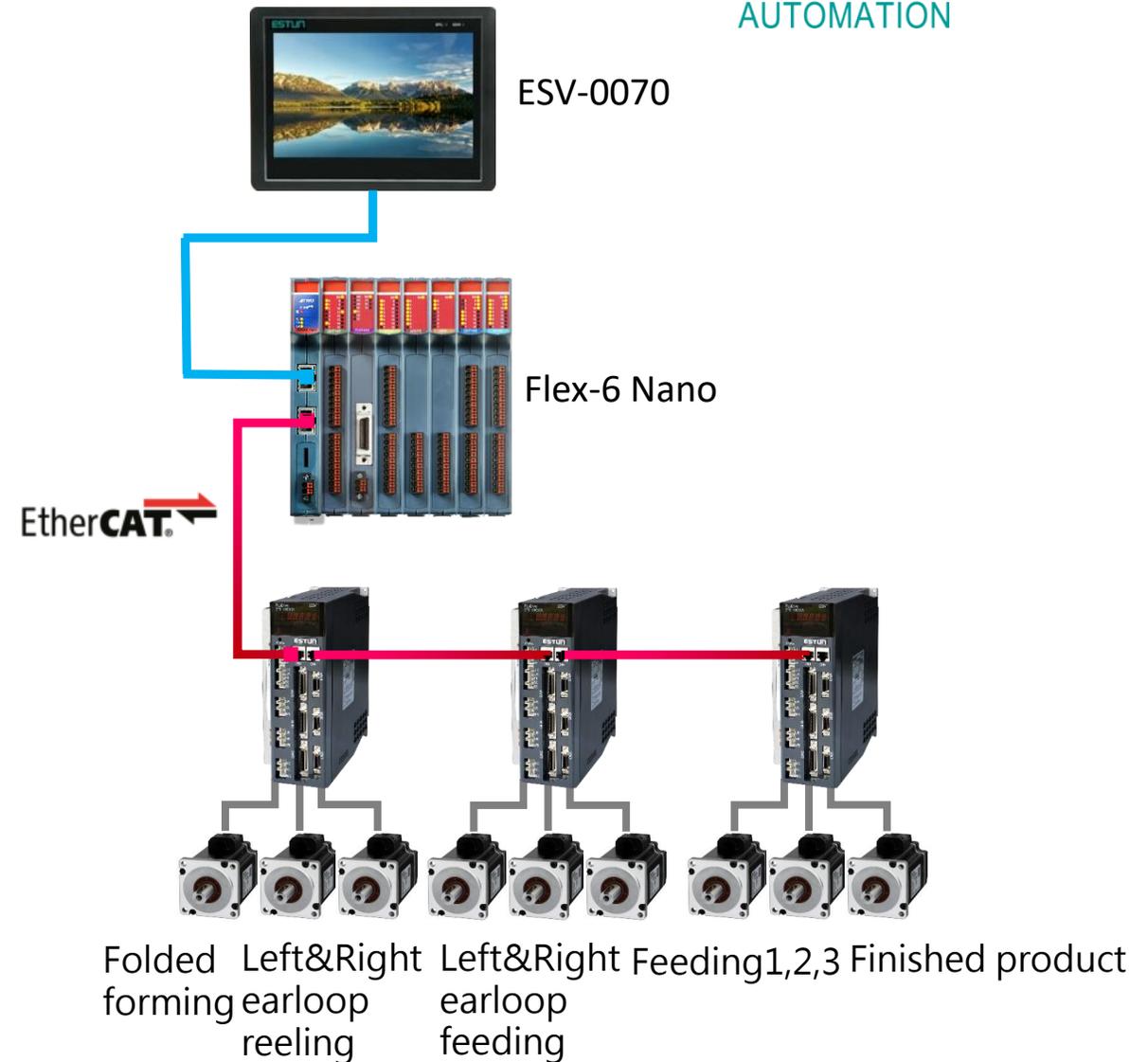


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Automatic Surgical mask making machine :

3、 Advantage :

- This machine implemented by using EtherCAT fieldbus, can realize the high-precision positioning, comparing to conventional PLC products, new Trio solution optimizes the CAM curve, make it easier to use and more efficient in an existing process.
- The solution takes new generation Summa series servo drives, combined with EM3A high responsive servo motor, satisfy high-end requirements.
- Full automatic control, one person can be on duty more than one machine, production efficiency is high.
- Maintenance free, we can provide 7*24 online technical support.



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Automatic Surgical mask making machine :

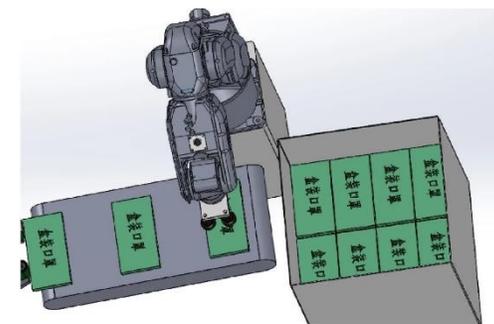
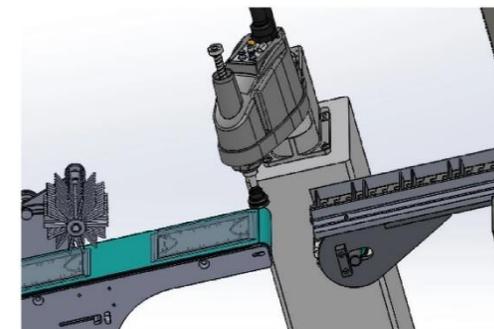
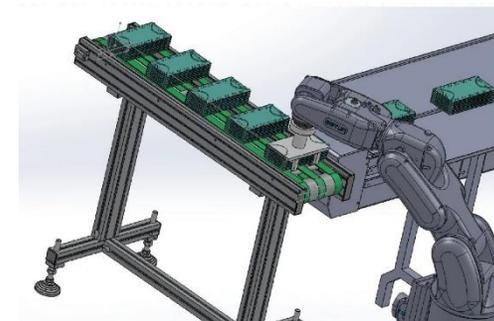
4、 Back-end packing process :

- We can offer packing total solution, to automate the production process with more automation and effectiveness.
- Six axis mini robot or SCARA robot as option
- Surgical mask packing unit :

Pillow packing machine

Independent package

Bulk packing

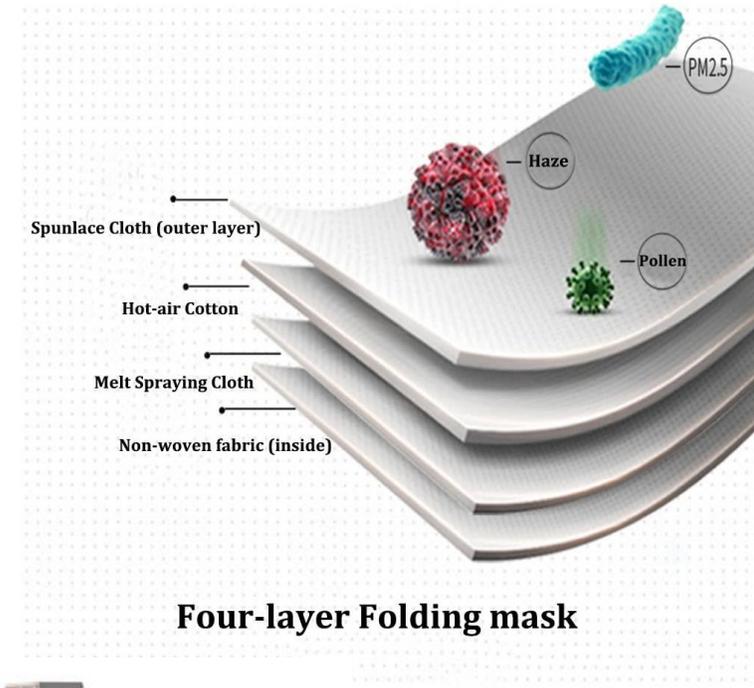


Automatic Folded mask making machine :

1、 Introduction:

This mask making machine can realize automation control, which includes automatic nonwoven fabrics unreeling, automatic loading nose clip, elastic (flying shear), earloop welding, fold forming, sealing(flying shear) and printing processes.

The finished products are comfortable to wear, perfectly attach onto face without any oppression feeling, suited for medical industry ,electronics industry ,mining industry , construction industry and catering industry.



Four-layer Folding mask

2、 Specification :

Electrical Design : TRIO controller +ESTUN servo

Input : AC220V,50Hz ;

Power : ≤ 6 kw ;

Air pressure & consumption : 0.5-0.6Mpa, 0.03m³/min ;

Dimension : L9000mm*W1500mm*H2100mm ;

Machine capacity: 65pcs/min

Edge banding accuracy: ± 0.5 mm

Ear loop welding accuracy: ± 1 mm



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Automatic Folded mask making machine :

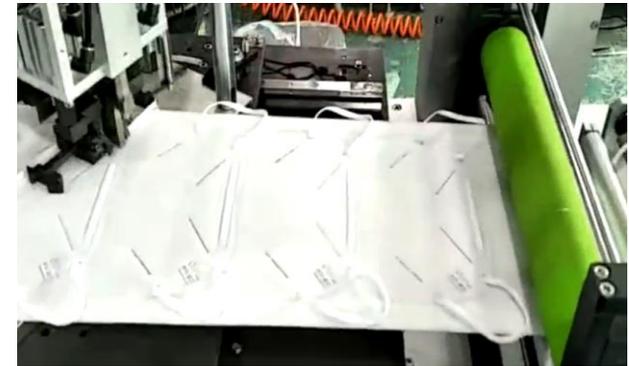
1 Nonwoven Fabrics Unreeling



2 Earloop Cutting



3 Welding



4 Folding/Pleating



5 Sealing/Cutting

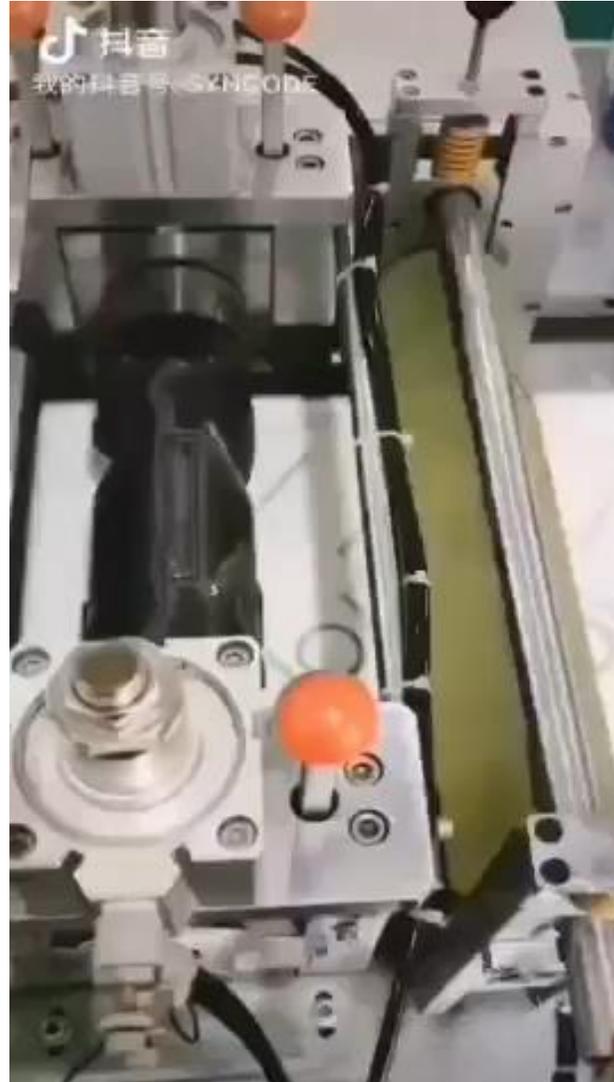


6 Packing



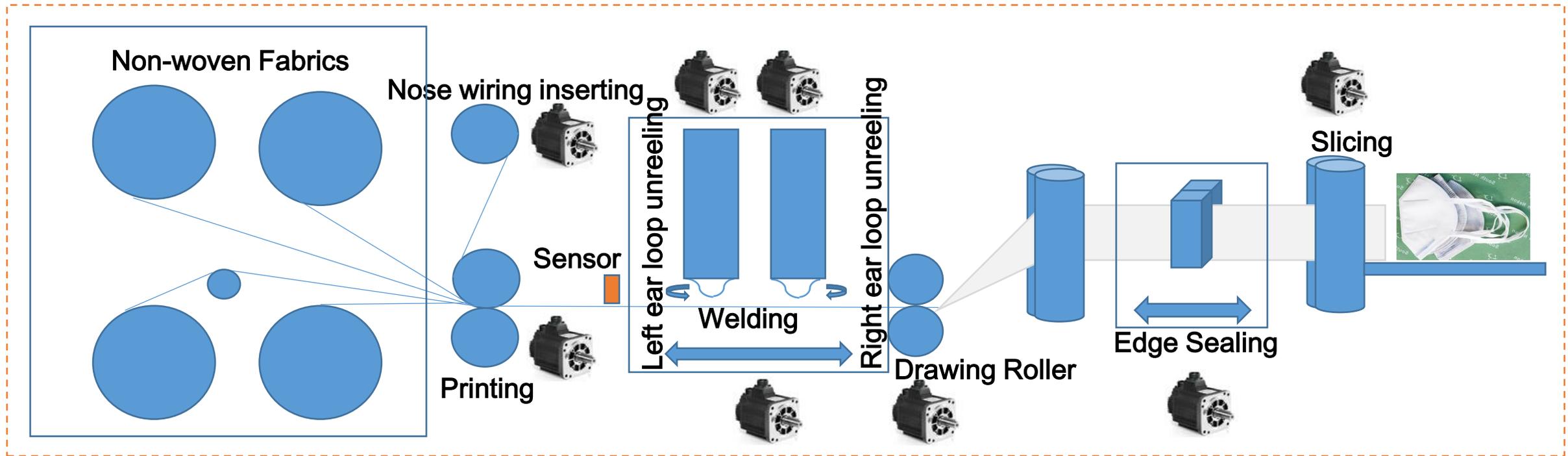
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Automatic Folded mask making machine :



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Automatic Folded mask making machine :

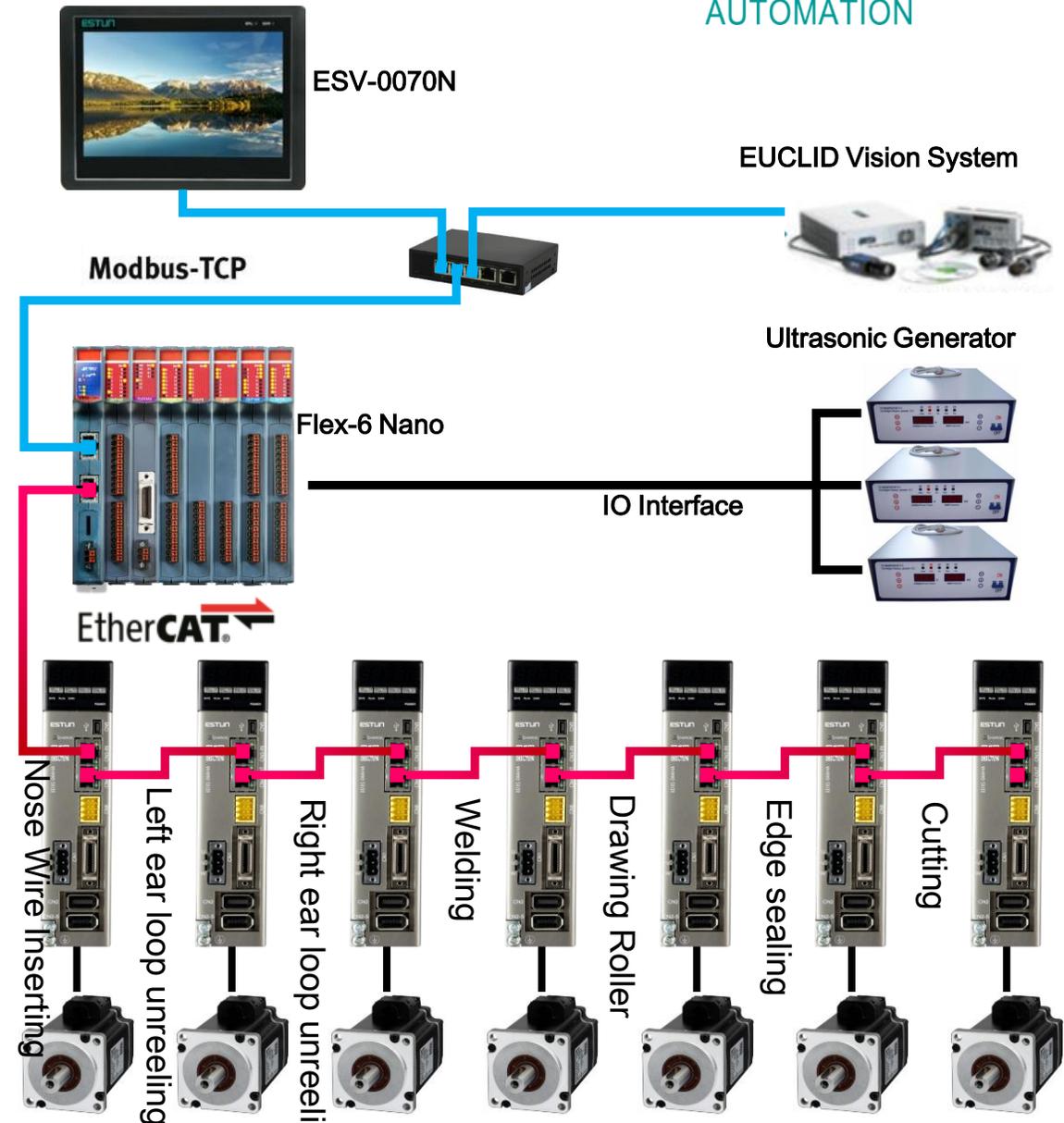


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Automatic Folded mask making machine :

3、 Advantage:

- This machine implemented by using EtherCAT fieldbus, can realize the high-precision positioning, comparing to conventional PLC products, new Trio solution optimizes the CAM curve, make it easier to use and more efficient in an existing process.
- The solution takes new generation Summa series servo drives, combined with EM3A high responsive servo motor, satisfy high-end requirements.
- Standardizing HMI, motion monitoring, flexible for different type of mask production, easy to change any of the relevant configuration parameters.
- It can provide professional ECULID vision inspect system, in order to achieve the nose wiring detection, length inspection, welding position inspection and elastic tightness inspection.
- Full automatic control, one person can be on duty more than one machine, production efficiency is high.
- Maintenance free, we can provide 7*24 online technical support.



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