



Respirator Mask Assembly Line

What You Need, Where You Need It

Our fully automated N95-equivalent Respirator Mask line is equipped with the latest ultrasonic welding technology including fully automated production features from material feeding to finished product unloading.

With features like automatic fabric roll feeding, nose clip, mask body ultrasonic roller welding, label pad printing, ear-loop welding, sponge nose pad assembly, folding, die cutting, finished product unloading and scrap material removal, one operator can manage multiple lines simultaneously.



Equipment Advantages

- High speed, fully automated
- Ultrasonic welding with high accuracy and excellent bonding strength
- High stability with low failure rate
- System supports up to six layers of non-woven fabric rolls
- Automatic tension adjustment for material roll feeding
- Modular design for configurable products
- More functional modules include breathing valve assembly, automatic inspection, automatic packaging can also be added as options
- Digital communication control enables traceability systems for data collection analysis and visualization
- Ergonomic design for a service/maintenance friendly system
- Compliant with your domestic electrical and safety standards

Equipment Specifications

Dimensions: 9700 x 1500 x 2000mm H

Production yield: > 95%

Operator: 1 person

Power 18KW

Air pressure 0.5 – 0.7 MPa

Parts per minute = 40-50

OEE > 85%

Weight: 2500 KG

Voltage: 380V 50/60Hz

Please note, while the system is capable of producing N95-equivalent respirators, sale of N95-equivalent respirators is subject to regulatory requirements that vary by end use jurisdiction and are issued to the product manufacturer. It is the manufacturer's responsibility to qualify their specific mask design, and put in place appropriate quality assurance measures as required for authorization in their particular market.

Prior to accepting a Purchase Order, mask design specifications of the manufacturer need to be confirmed. This will allow Eclipse to confirm compatibility with the machine design, and specify tooling modifications.