

Automatic KN95 Mask Production Machine

This fully automated machine is engineered for the efficient production of KN95 respiratory masks. The system integrates processes such as material feeding, folding, shaping, nose clip insertion, ear loop welding, and mask cutting.



Overview

High-Efficiency Mask Manufacturing

This fully automated KN95 respirator machine is engineered for high-volume production, streamlining the entire manufacturing process from material unwinding to final mask cutting. It integrates advanced features such as automatic nose beam assembly, ultrasonic welding, and precise ear loop attachment to ensure consistent quality. Designed with a modular architecture and PLC control, this equipment offers reliable performance, easy maintenance, and adjustable settings to accommodate various non-woven fabric types.

Performance Metrics

Production Rate

100 masks/min

Max Production Speed

Technical Specifications

Automation Capabilities

- Multi-layer cloth unwinding
- Automatic nose beam assembly
- Ultrasonic welding
- Automatic ear band welding
- Edge sealing
- Automatic roll cutting

Power Requirements

220V/380V, 50/60Hz

Control System

Programmable Logic Controller (PLC)

Design & Build

Key Design Features

Modular Design, Sensor-Integrated, Adjustable Mask Size, High-Durability Components