Automated KN95 Mask Production System

The KN95 mask machine employs ultrasonic technology to bond multiple layers of nonwoven fabric and filter materials. It then cuts and forms the folded mask body.

ADDITIONAL IMAGES

System Overview

Automated KN95 Production System

This comprehensive production system utilizes advanced ultrasonic technology to automate the manufacturing of KN95 respirators. The solution integrates core mask body formation, ear loop welding, and edge banding processes into a high-efficiency workflow. Designed for stability and precision, the system features PLC programming and servo control to ensure consistent output, reduced waste, and high-volume production capabilities.

Key Automation Features	Ultrasonic Welding, PLC Control, Servo Motor Drive, Photoelectric Detection, Automatic Alarm System

KN95 Mask Machine (Core)

Production Capacity

60 Pcs/min	60000 Pcs
Max Output	Daily Output (24h)

Technical Specifications

Parameter	Value
Model	ZX-95-DPJ
Mask Size	167*105mm
Power	10KW
Air Pressure	0.5-0.8Mpa

Ear Belt Welding Machine

Welding Unit Parameters

Parameter	Value
Model	ZX-95-EW
Production Capacity	30-50 Pcs/min
Ultrasonic Spec	2000W/20KHZ
Power Supply	AC-220V 50Hz

Edge Banding Machine

Edge Banding Unit Parameters

Parameter	Value
Model	ZX-95-ES
Production Capacity	20-35 Pcs/min
Ultrasonic Spec	2000W/20KHZ
Stations	6 Station Rotary Disc

Operating Environment

Environmental Requirements

- Temperature: 5-40
- Humidity: 15-85% (No condensation)