

TESTEX

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KN95 Mask Manufacturing Machine



TESTEX INSTRUMENT LTD

KN95 Basic Introduction

KN95 mask manufacturing machine adopts ultrasonic technology for automatic operations to produce 4-5 layers of KN95 masks. The molds can be easily changed to accommodate a wide range of KN95, N95, FFP mask production. The specially designed, TESTEX mask making machine is suitable for various earloops materials, stable running without stuttering and jamming.

This KN95 mask manufacturing machine uses the computer PLC programming control and servo drive to stabilize mask production. Also, it uses modular design, is easier to use, and saves labor.

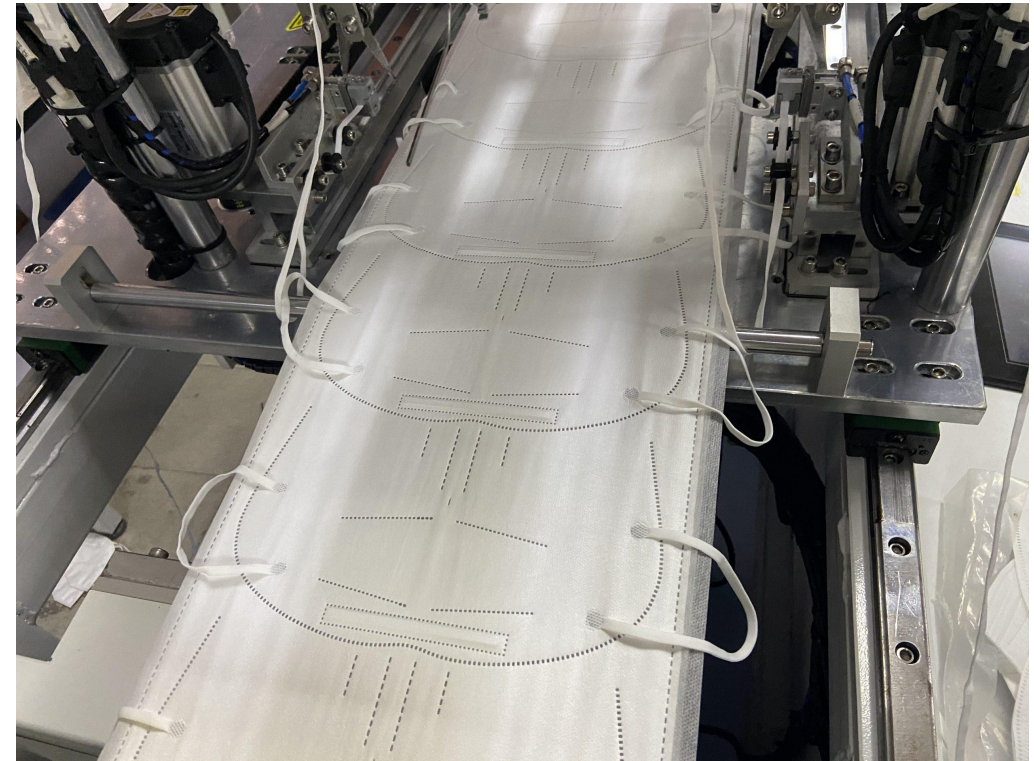
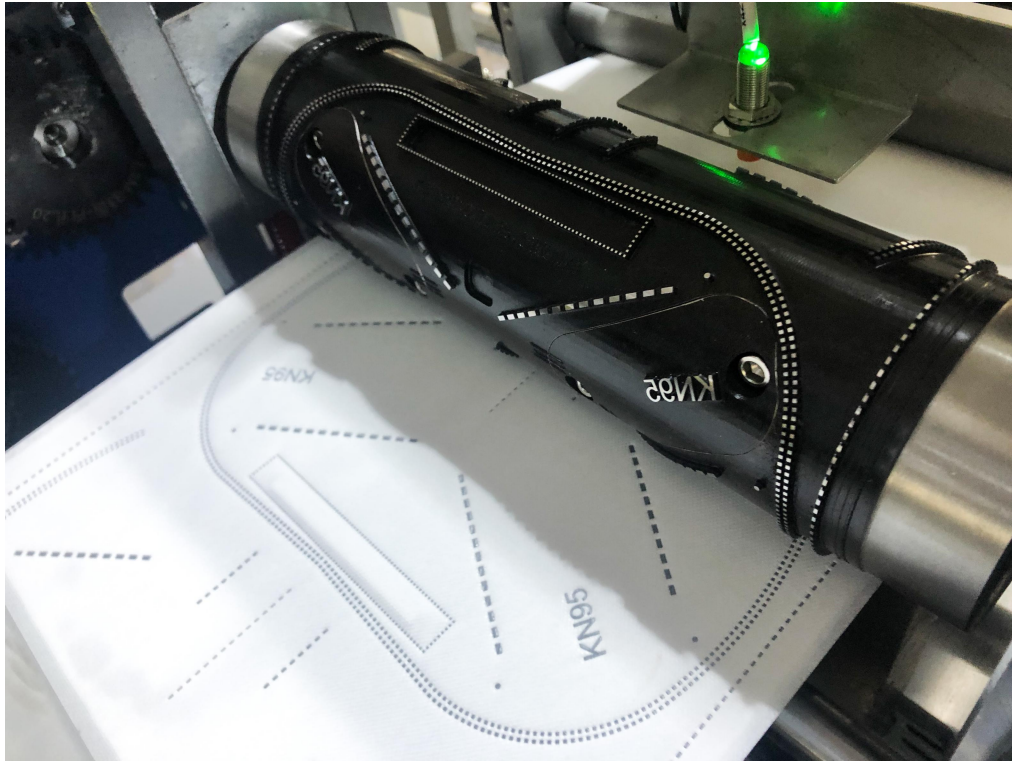


Features of KN95 Mask Manufacturing Machine

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Supported to customize logo or text on the mask body



Precise and film welding of earloops

Features of KN95 Mask Manufacturing Machine



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High-quality servo motor, ensure mask production and high efficiency



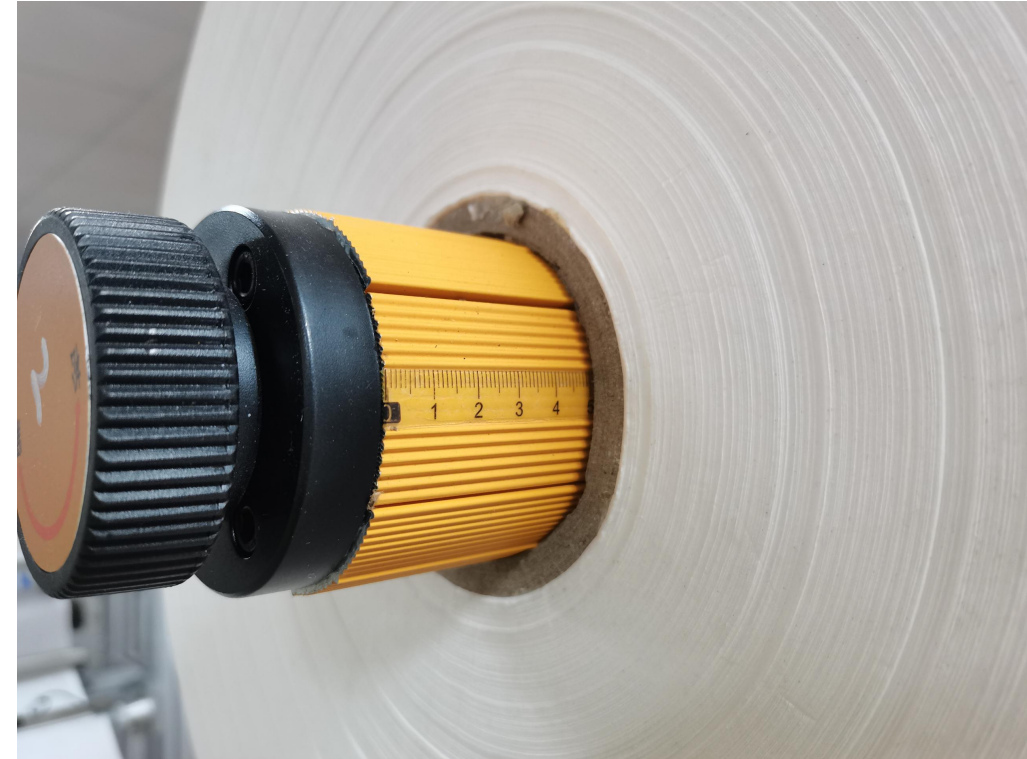
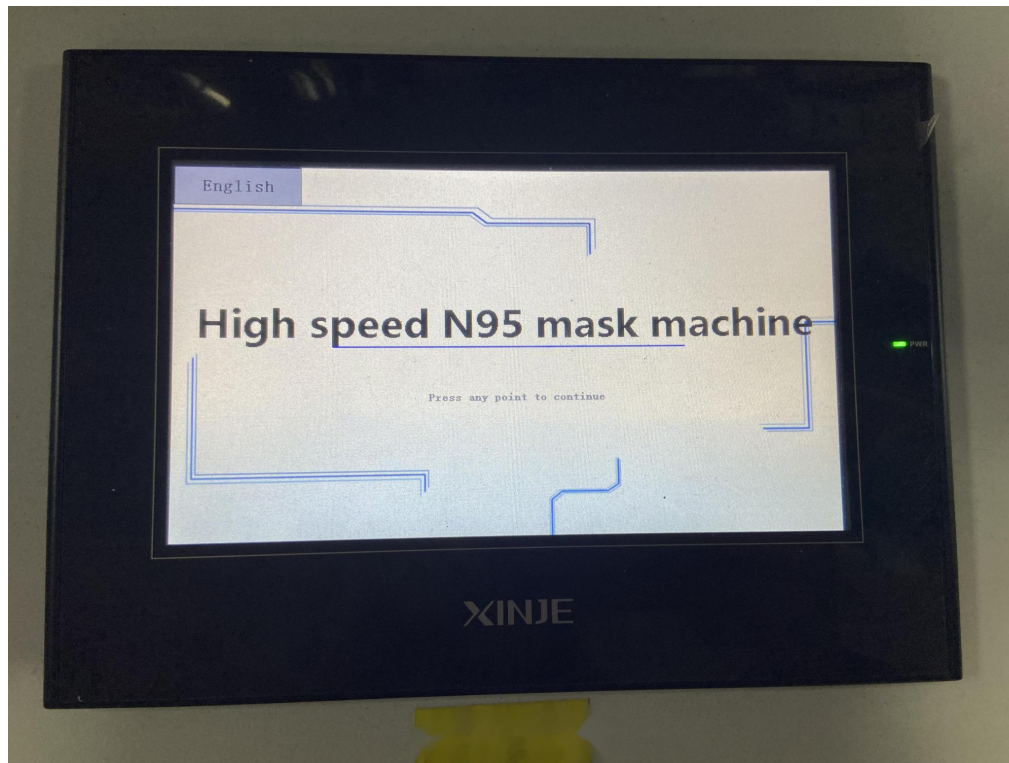
The ultrasonic system make sure the welding at high-speed operation

Features of KN95 Mask Manufacturing Machine

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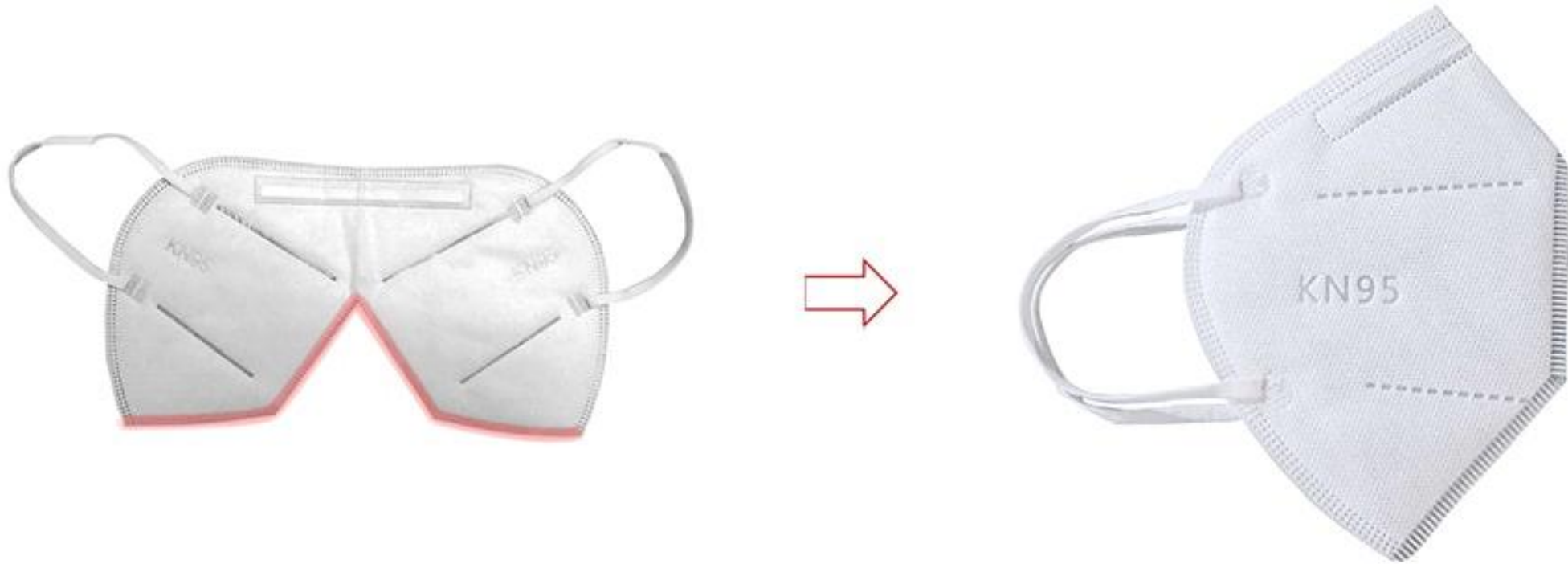
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PLC control panel, promise running stable and high productivity.



Magnetic powder air shaft feeding rack, scale display, air shaft adjustment, easy to fix the material, reduce the difficulty of changing materials, fine adjustment of the electric brake, more stable feeding tension control

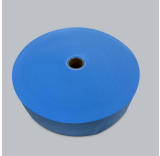

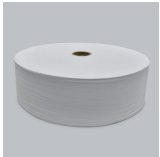


KN95 Mask Detail



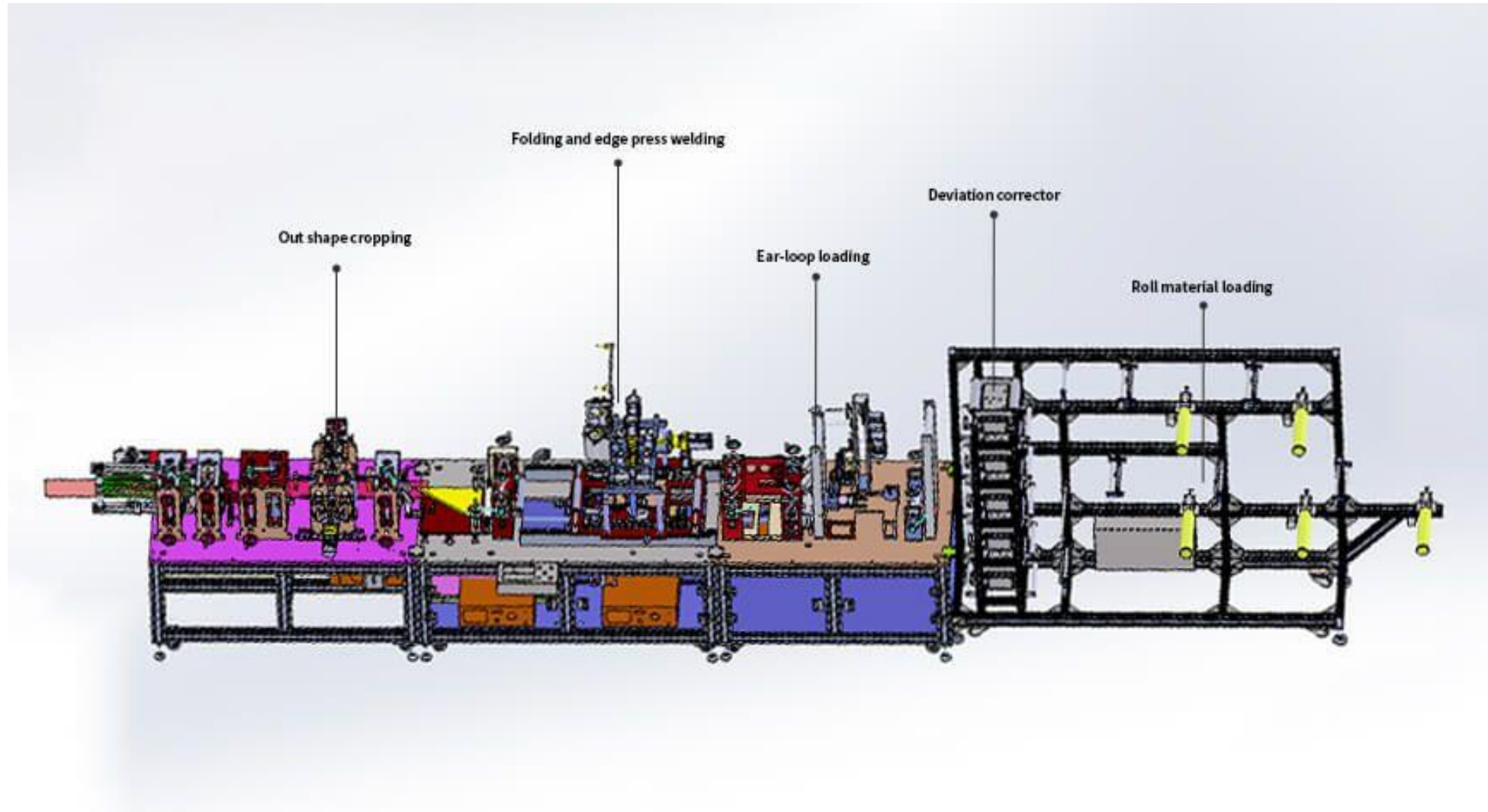
Raw Material Parameters Reference of KN95 Mask Making Machine



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Image	Material	Outer diameter (mm)	Reel inner diameter	Width (mm)	Thickness / Gram
	Outer layer nonwoven	Φ600	3 inches	250-300	30-50g/m ²
	Hot air cotton	Φ600	3 inches	250-300	45g/m ²
	Meltblown	Φ600	3 inches	250-300	20-30g/m ²
	Inner layer nonwoven	Φ600	3 inches	250-300	20-30g/m ²
	Nose strip	Φ400	≥3 inches	5-8	≤1.2mm

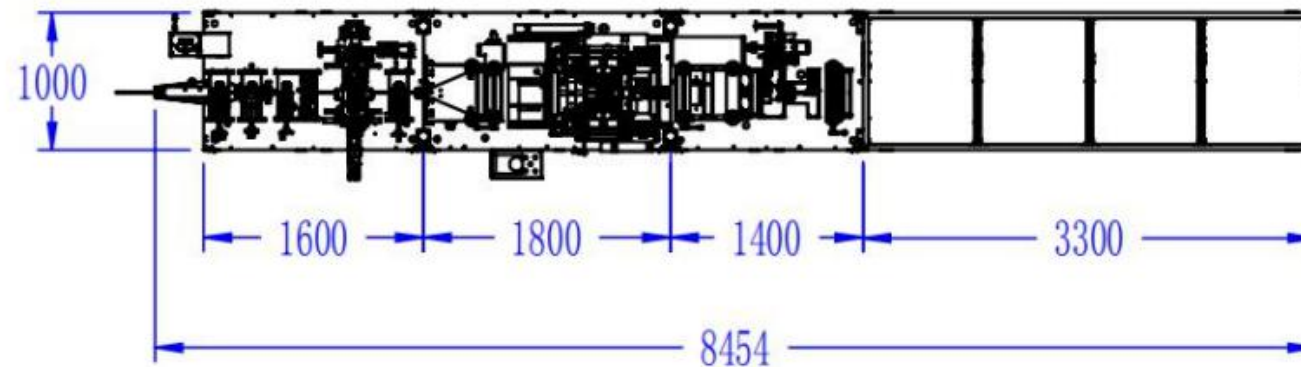
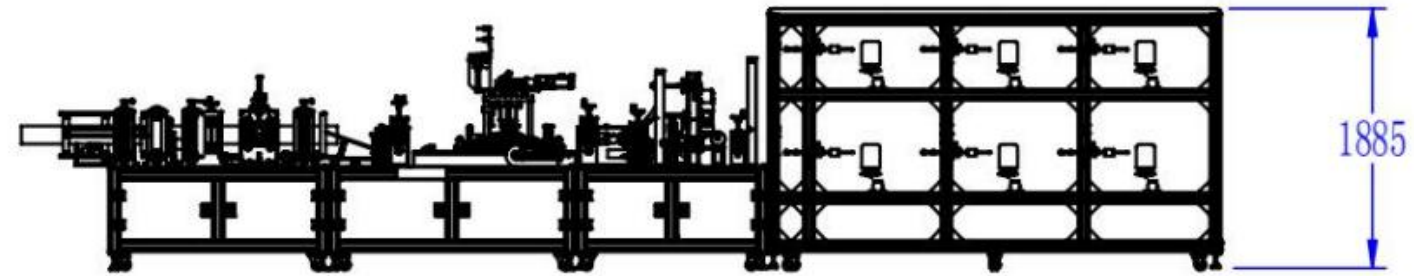
KN95 Structure



KN95 Machine overall and footprint size



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Without mask packing machine, mask cartoning machine
(The size as reference only)

KN95 Specification



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NO.	Item	Specification
1	Capacity	110pcs/min
2	Air source pressure	Compressed air should be stable at 0.5Mpa or more
3	Power	220V 16A maximum power 20 KW
4	Machine size	8500mm(L)*1000mm(W)*1900mm(H)

Optional Configuration

APM10 Automatic Mask Packing Machine



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Capacity	30 ~ 120 pcs / min
Film specifications & types supported	Width:140 ~ 320 mm, Thickness: 0.03 mm (e.g. 260 mm for standard adults mask), PP/PE/PS/OPP
Final bag dimension	Length: 60 ~ 450 mm, adjustable (e.g. 210 mm) Width: 40 ~ 120 mm, adjustable (e.g. 105 mm) Height: not defined, (e.g. 1 pcs or 10 pcs per bag)
Power	220 V, 50 Hz, 7.25 Kw
Machine size & weight	4100 x 960 x 1370 mm, 450 Kg
Packaging info.	Two cases, total 570 Kg (Main machine: 1900 x 1070 x 1550 mm, 423 Kg; Conveyor: 2900 x 750 x 490 mm, 147 Kg)

APM10 Automatic Mask Packing Machine

TESTEX added mask auto packing function to the mask production solution cautiously. APM10 is the best auto packing machine that works perfectly with the KN95, featuring the total capacity of the KN95 and reliable packing efficiency and quality.



Optional Configuration

Mask Cartoning Machine Specification



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Capacity	10boxes/min
Feature	Easy to use with automatic alarm and fault prompt, controlled by PLC microcomputer. Using interface control, simple to operate and convenient maintenance
Power	220V, 50Hz, 1-4Kw
Box Dimension	225mm*115mm*150mm (L*W*H)
Weight	About 1.5T
Box Requirement	Need to pre-fold, carton indentation is generally at 0.4MM deep. If you open the box by hand, it can't be shaped, and the machine can't open the carton.

Mask Cartoning Machine

The mask cartoning machine automatically boxing the mask, which perfectly matches the KN95. Easy to use with automatic alarm and fault prompt, controlled by PLC microcomputer.



Why Choose TESTEX?



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TESTEX (TESTEX INSTRUMENT LTD) is a national high-tech enterprise and SGS ISO certified company that develops and manufactures testing instruments for textile laboratories.

90% of the TESTEX brand instruments are sold to Europe, America, and Asia. Customers include NASA, National laboratories such as the Naval Academy and university research institutes, international inspection agencies such as ITS, SGS, etc., and automotive brands (interior textiles) such as Land Rover and apparel brands NIKE, Under Armour, Uniqlo, etc.

To support the prevention and control of the COVID-19 worldwide, due to the company's decades of experience in mechatronics design, R&D, manufacturing, sales, and after-sales, there came the TESTEX brand mask machines. At the end of January 2022, TESTEX has successfully exported hundreds of mask machines, and customers recognize the quality and service well.



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