

# High speed 1+1 KF94 mask machine



# DETAILS OF KF94 MASK MACHINE

The operation is simple and fast

**OUTPUT PER MINUTE**  
**120~160<sub>PCS</sub>**

The speed of film making machine is 300pcs / min





**Stupid exercises**

There is no need for professional personnel and adjustment of mechanical structure;



**Full touch screen**

All touch screen, button adjustment, no manual adjustment.



**120-160<sub>PCS</sub>**

It can produce 120 ~ 160 tablets per minute, and the defective rate is 0.8%.

Item Name	Full automatic KF94 mask machine
EXW PRICE IN USD	Unit price USD /set for
Speed	110-150pcs per min ( stable speed is 110-130pcs per min)
Mask Type	Fish Shape mask (220*85mm±3mm)
Mask Size	All size fish shape mask
Structure	2 mask body machine, 1 ear loop welding station , 1 rack , 1 conveyor
Main electrical configuration	PLC*1, Servo motors *5 for mask body machine; 10pcs for welding machine , Digital ultrasound *4
Machine size	4080mm(L)×880mm(W)×185mm(H)
Power	220V 50Hz/60Hz, 10KW
Packing size	184X88X155CM;x2(mask body ) ; 210X75X160CM(earloop welding ); 184x88x50cm( the rack)
Mulit-Language	Chinese, English, Turkish, Korean, and others as the request

# DETAILS OF KF94 MASK MACHINE

## EQUIPMENT INTRODUCTION

Full automatic kf94 fish shaped mask machine



Kf94 one drag one plane mask (ear welding) machine is a kind of high-efficiency and practical best-selling model. The full-automatic mask machine is mainly composed of a roll feeding machine, a flat mask punching machine, an ear band welding machine and a discharging line. It can automatically complete the body forming of the mask, automatically add nose rib, ear band welding and automatic counting.

One step molding

## FULL AUTOMATIC KF94 FISH SHAPED MASK MACHINE

speed PCS/MIN  
120~160



# DETAILS OF KF94 MASK MACHINE

## MACHINE PARAMETERS(ONE)

### FISH MASK BEATER:

name	Copy of kf94 fish shaped mask machine
Dimensions	4080*880*2034 ( mm )
efficiency	250 pcs/min (defect rate 0.8%)
Voltage	220V-50Hz/60Hz
power	10KW
weight	1000KG
control mode	Computer PLC program control
Driving mode	servo motor
language system	Turkish, Chinese, English, Korean
ultrasonic	15K
Specifications	220*85±3mm

- 1. SIMPLE FEEDING:**The machine adopts mechanical expansion shaft to fix the coil, which is simple and convenient;
- 2. STABLE DISCHARGE:**The tension of coil is controlled by magnetic powder brake without manual intervention;
- 3. SIMPLE REFUELING:**This machine adopts 5 high sensitivity rectifiers, which can automatically center and correct deviation without manual debugging;
- 4. THE DEBUGGING IS SIMPLE:**The transmission shaft of the machine is controlled by 6 independent servo motors, and the debugging is completed in the display screen. There is no need to debug the mechanical structure, which is simple and fast.

## MACHINE PARAMETERS(TWO)

### EAR BAND WELDING MACHINE:

name	Kf94 fish shaped mask welding earphone
Dimensions	3605*980*1650 ( mm )
efficiency	120-160 pcs/min (defect rate 0.8%)
Voltage	220V-50Hz/60Hz
maximum power	6KW
weight	300KG
ultrasonic	20K200W 2↑
servo system	Bus servo motor
user interface	Chinese and English touch screen interface
servo motor	400W*10 (If you select the inner ear fold is 11 Servo Motors)
Die material	titanium alloy
Servo brand	Xinjie

# DETAILS OF KF94 MASK MACHINE

Automatic frequency tracing sound wave

**STABLE PRODUCTION OUTPUT  
ABOUT 120-160 PCS/MIN**

300pcs/min film making speed can be made  
by the film making machine alone



No special debugging is required

**ON-LINE OPERATION OF EAR BAND WELDING  
MACHINE AND FILM MAKING MACHINE**

When the tape welder stops, the beater stops



# DETAILS OF KF94 MASK MACHINE

STUPID FUCK ALL TOUCH SCREENS,  
PUSH-BUTTON TUNERS

**NO MANUAL REGULATION**  
**NO PROFESSIONAL REQUIRED**

Independent servo motor control,  
debugging all in the display screen,  
no need to debug the mechanical  
structure, simple and fast.



## INDEPENDENT ULTRASONIC CONTROL

The printer and welding earphone use  
different power acoustic control

FILM MAKER  
ULTRASONIC



15K2600W\*1

The use of sound waves  
for contour trimming

FILM MAKER  
ULTRASONIC

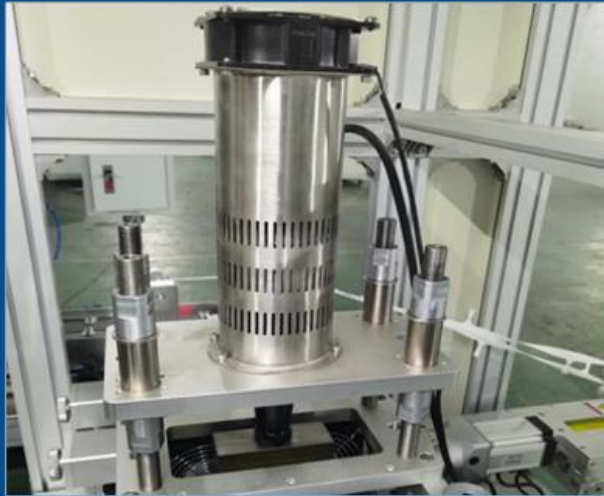


15K2000W\*1

Body pattern embossing  
using sound wave

# DETAILS OF KF94 MASK MACHINE

## FULLY AUTOMATIC MECHANISM



### ULTRASONIC TRANSDUCER

Each set of ultrasonic top equipped with radiator, more durable and stable production;

### NO. 1 TITANIUM ALLOY DIE HEAD IN CHINA

One titanium alloy die head, equivalent to 10 steel die heads;



### FILM MAKER SERVO MOTOR

Fish shaped chipping machine box, 6 Xinjie servo motors; (including 2 1000W, 4 750W Xinjie servo motors)

### FILM MAKER SOLDERING EARPHONE

The ear band welding machine uses 10 400w Xinjie servo motors.



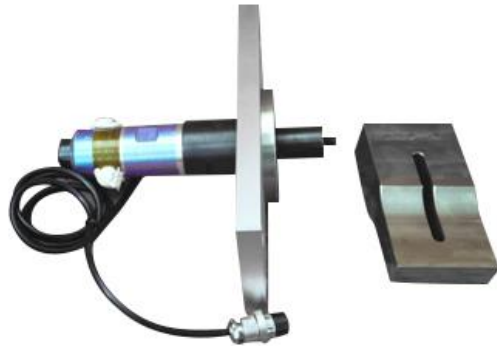
# DETAILS OF KF94 MASK MACHINE

Soldering earphone  
ultrasonic



20K2000W\*2

One ultrasonic on both  
sides of welding lug



ADOPT THE FIRST  
ULTRASONIC AND TITANIUM  
ALLOY DIE IN CHINA

This machine adopts high performance titanium alloy  
mould automatic frequency-tracking ultrasonic system,  
stable production 120-160 pieces per minute,  
ultrasonic without special debugging.

## IT CAN PROVIDE A VARIETY OF OPERATING LANGUAGE SYSTEMS

Turkish / Chinese / English / Korean

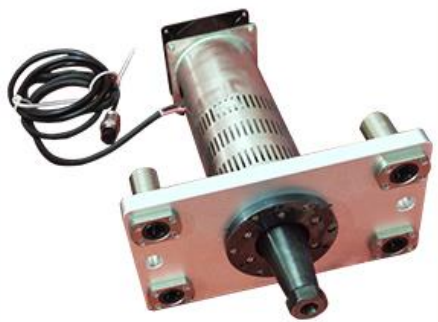


# DETAILS OF KF94 MASK MACHINE

Ultrasonic box  
**ONE YEAR WARRANTY**



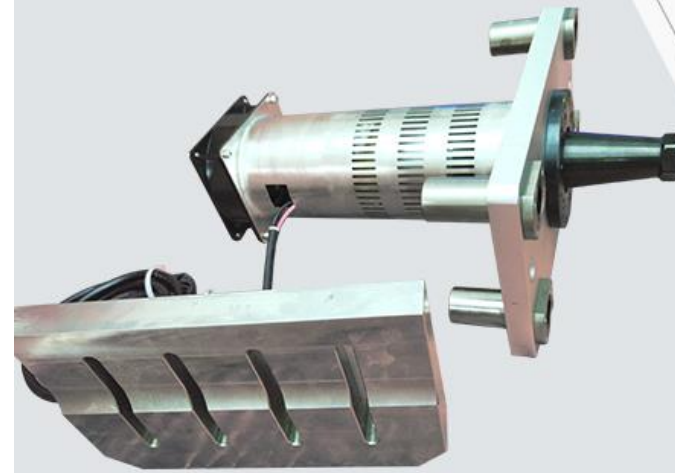
WARRANTY INSTRUCTIONS



Transducer  
**THREE-MONTH WARRANTY**



Titanium die  
**THREE-MONTH WARRANTY**



ULTRASONIC  
AND TITANIUM  
ALLOY DIE

WELDING  
WHEEL/CUTTER



# DETAILS OF KF94 MASK MACHINE



DISPLAY  
SCREEN



FOLDING  
MECHANISM

TENSION  
SWITCH  
ADJUSTMENT



CONVEYING  
MECHANISM



# DETAILS OF KF94 MAK MACHINE

**Excellent workmanship**  
**Create excellent machinery**



0. FOOL CONTROL DISPLAY SCREEN



1. FABRIC FOLDING



2. MASK WASTE DISCHARGE



3. CONTROL BUTTON



4. TENSION ADJUSTMENT



5. Transport to prevent mask from flying out



6. EAR BAND WELDING



7. SPOT WELDING HEAD



8. PNEUMATIC SCISSORS

## EQUIPMENT INTRODUCTION

Full automatic kf94 fish shaped mask machine



KF94 one drag one plane mask (ear welding) machine is a kind of high-efficiency and practical best-selling model. The full-automatic mask machine is mainly composed of a roll feeding machine, a flat mask punching machine, an ear band welding machine and a discharging line. It can automatically complete the body forming of the mask, automatically add nose rib, ear band welding and automatic counting. The mask body machine and ear wire welding machine can be fully automatic production or independent production, and can be measured independently. The product concept is simple and easy to use, stable and reliable, fashionable and atmospheric appearance, high efficiency, and good versatility and compatibility.



**Ultrasonic transducer**

Each set of ultrasonic top equipped with radiator; more durable and stable production;



**Titanium alloy die**

China ranks first in titanium alloy die head, 1 titanium alloy die head, equivalent to 10 steel die head;



**Dicing machineservo motor**

Fish shaped chipping machine box, 6 Xinjie servo motors; (including 2\*1000W, 4 750W Xinjie servo motors).



**Servo motor for welding earphone**

Ten 400W Xinjie servo motors are used in ear belt welding machine.

# DETAILS OF KF94 MASK MACHINE

## EQUIPMENT CONFIGURATION:

	TYPE	BRAND
1	TOUCH SCREEN	XINJIE
2	PLC EMPTY MACHINE	XINJIE
3	SERVO MOTOR	XINJIE
4	SENSOR	OMRON
5	SOLENOID VALVE	AIRTAC
6	CYLINDER	AIRTAC
7	PANEL SWITCH	YIJIA
8	RELAY	CHINT
9	AC CONTACTOR	CHINT
10	STEPPING MOTOR	JAMIE KANG
11	FLOOR / RACK	EUROPE, AMERICA AND ASIA

## SPECIFICATION OF MATERIALS USED

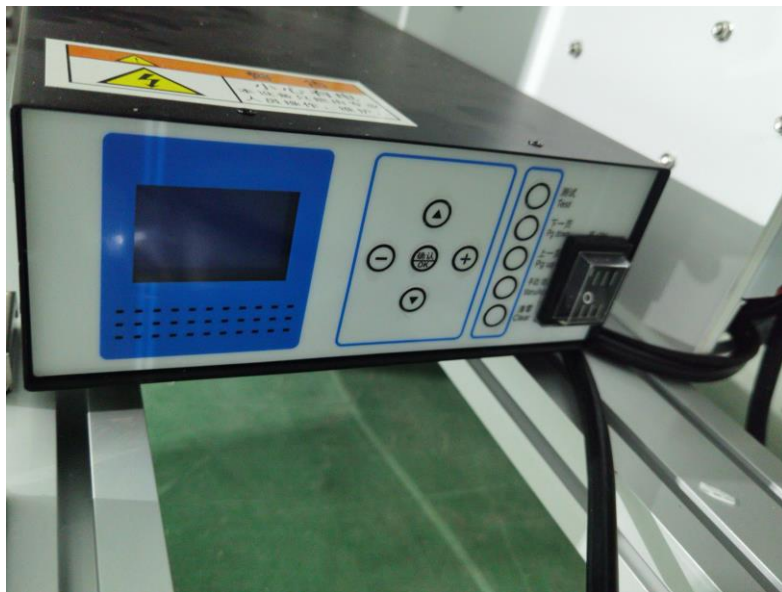
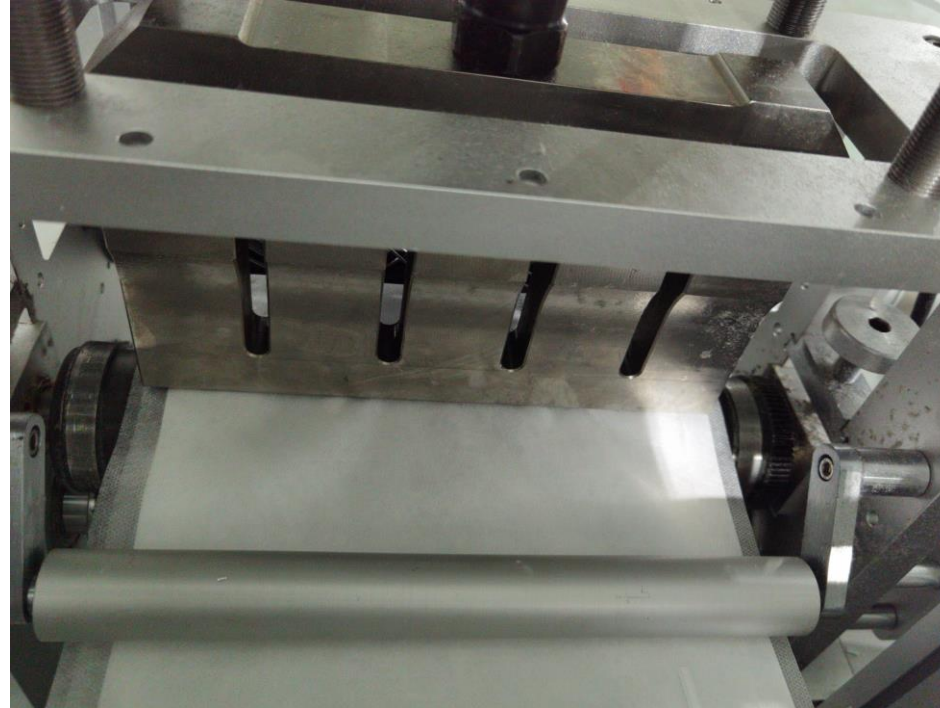
	NAME	SPECIFICATIONS
1	OUTER NONWOVENS	260±2MM
2	MELT-BLOWN CLOTH	260±2MM
3	BASE NONWOVENS	260±2MM
4	BRIDGE OF NOSE	5 mm plastic coated galvanized iron wire
5	EAR CORD	3mm Round/square elastic rope

## PACKING LIST:

	Name and specifications	Quantity	Unit	Notes
1	Material Rack	1	Dais	
2	Bulk Machine	1	Dais	
3	Click on the headphones	1	Dais	
4	Conveyor belt	1	Dais	
5	Tool box	1	Sheathing	
6	Hexagon socket wrench 3-12	1	Sheathing	In the tool box
7	Monkey wrench, 12 inches	1	Conditions	
8	Phillips Screwdriver * 100(5 inches)	1	Conditions	
9	Cylinder Scissors	1	Sheathing	
10	3 X 100(5 inches) with a slotted screwdriver	1	Conditions	
11	Instruction Manual	1	Two copies	
12	Certificate of conformity	1	Two copies	

Note: The actual configuration and quantity can be selected according to the agreement.

# DETAILS OF KF94 MASK MACHINE

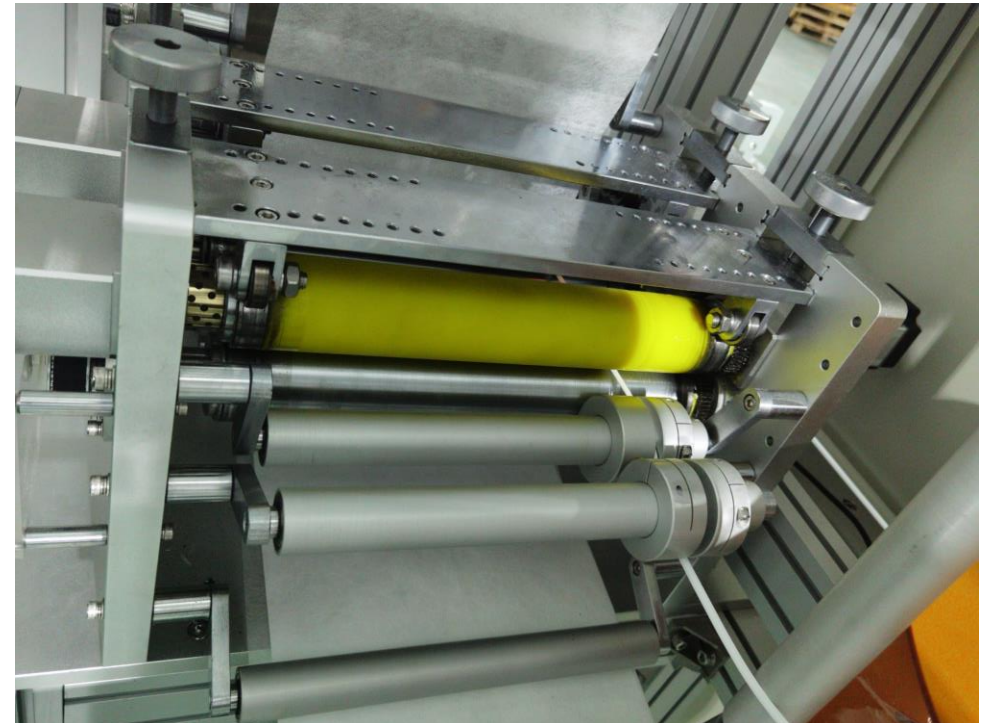


# DETAILS OF KF94 MASK MACHINE



This group is our nose bridge structure, which is the only group of large nose bridge structures on the market. Its advantage is that it has a longer service life, does not require a nose cutter, and its stability is much higher than ordinary ones.

Folding and Forming part of KF94 which is adjustable. When the size and shape of the mask change, it can be adjusted freely according to needs without changing accessories.



# DETAILS OF KF94 MASK MACHINE



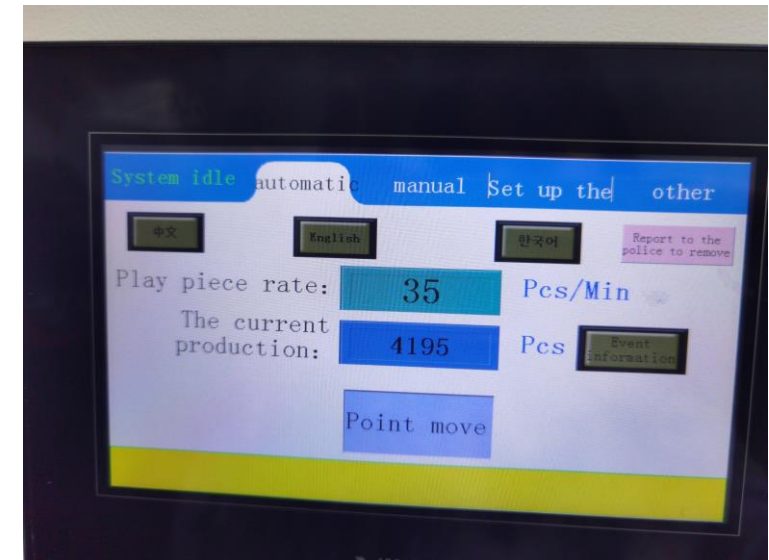
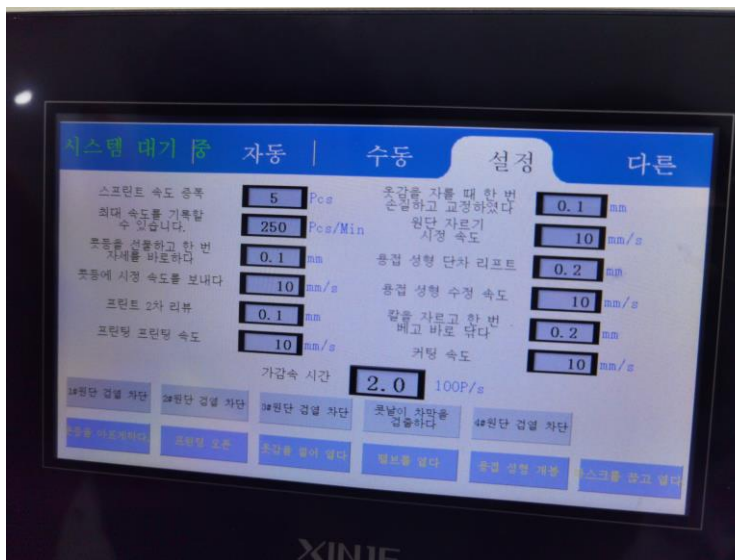
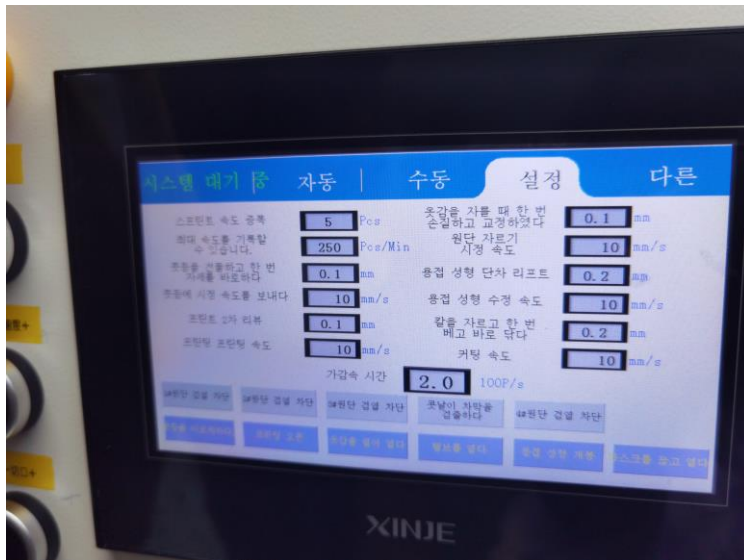
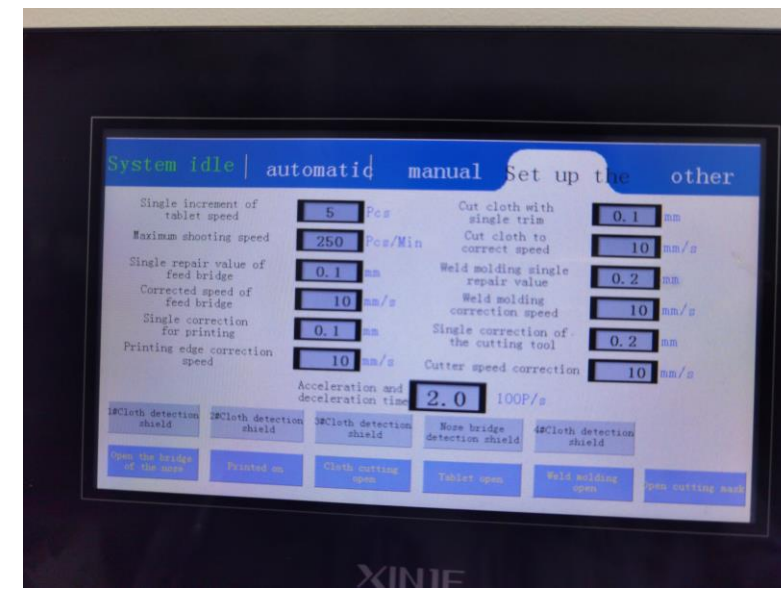
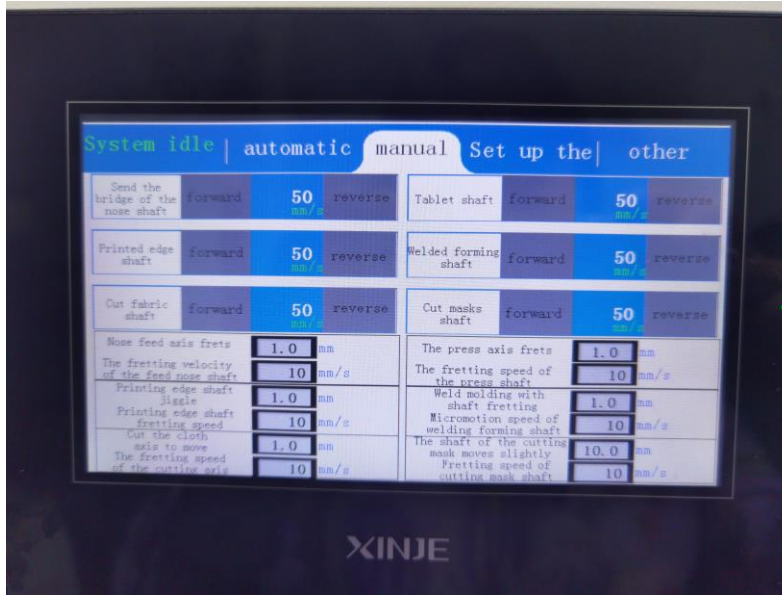
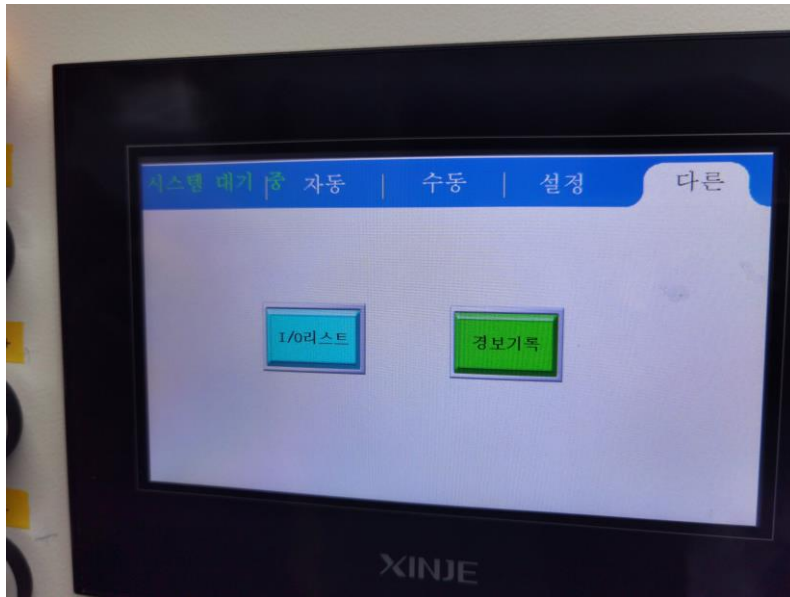
No debugging, all debugging is through the CNC on the computer to debug the position of the mask. During the operation of the whole machine, there is no longer a wrench to screw screws, and no need to rely on engineers, foolish operation.

Adjust the position of the nose bridge and the contour of the trimming, just turn the button

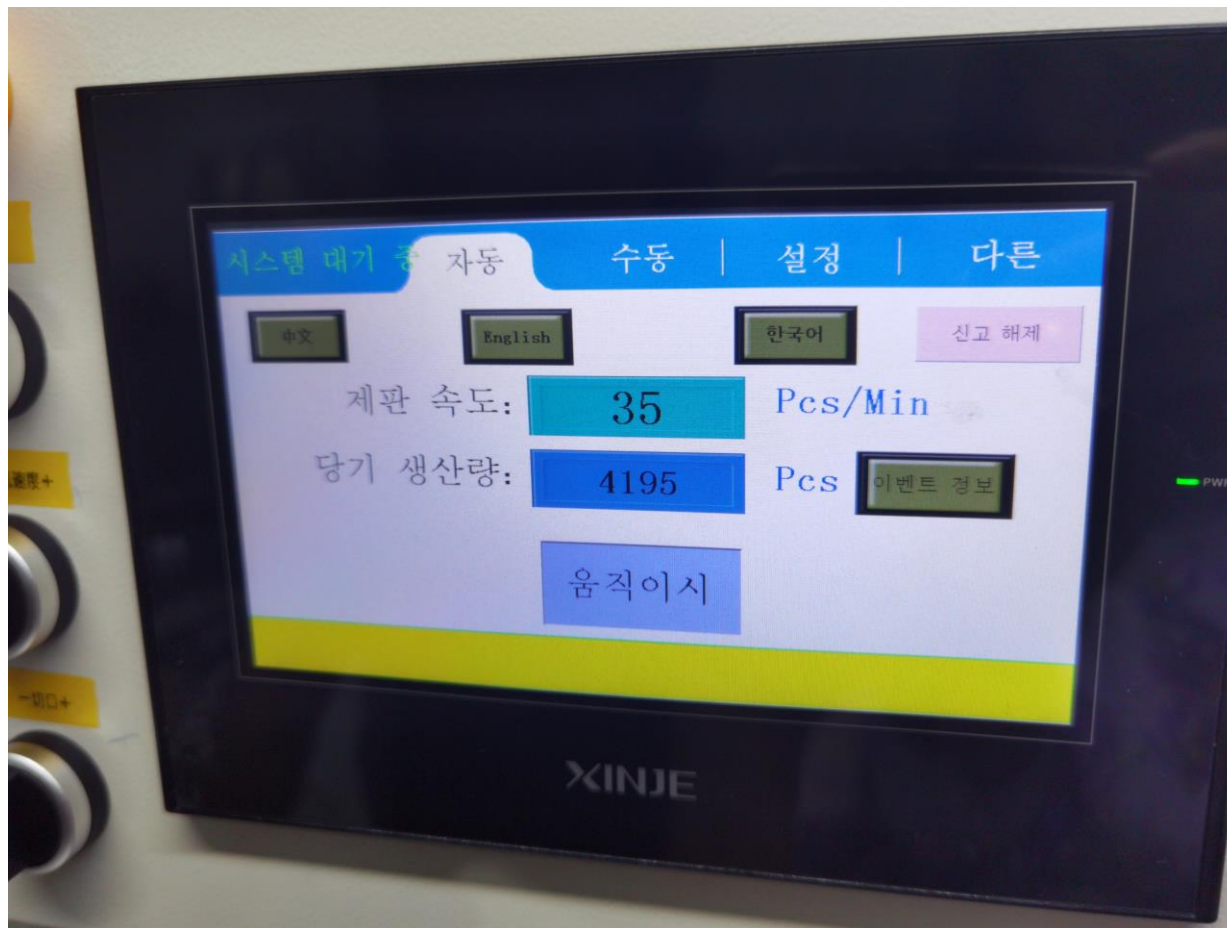
Our whole machine is controlled by computer numerical control to realize the uniformity of all positions. After the traditional machine is used for a period of time, the tension of the chain and the motor will change. Now every part of us is started by the motor independently. There will be no deviation after long time use.



# DETAILS OF KF94 MASK MACHINE



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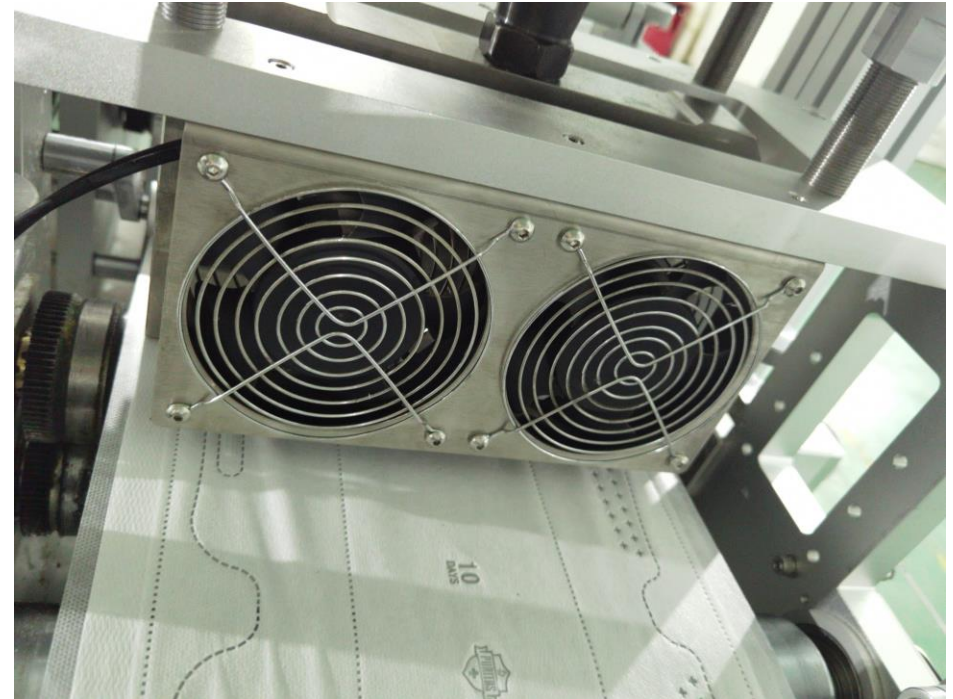


This row is the fabric tension controller of the machine, which is used to adjust the tightness of each roll of fabric. As long as the fabric is straight during the production process, the parameters here will vary according to the tension of the fabric

# DETAILS OF KF94 MASK MACHINE



The ultrasonic is inverted, and a cooling fan is installed, so that the ultrasonic will not affect the life of the ultrasonic due to heat storage. Our ultrasonic die is made of titanium alloy, so the service life is longer, and the welding effect is better and stronger.



# DETAILS OF KF94 MASK MACHINE



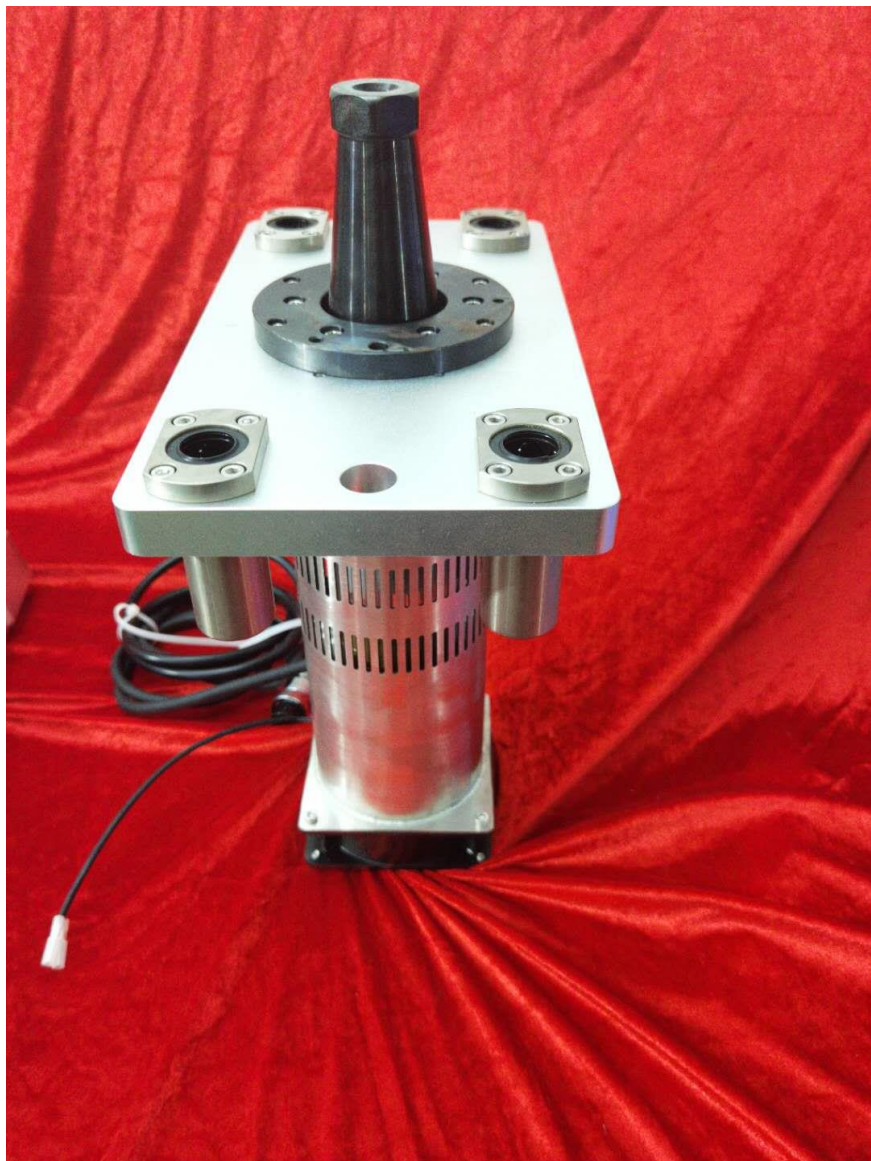
the whole welding machine has 10 servo motors, PLC and all motors are in bus layout, the whole machine has a fast response speed, the speed can reach 150 pieces per minute, and the stable speed is 110-130 pieces per minute. If the high speed reaches 150 pieces per minute for a long time, it will affect the defect rate of the mask. If the speed is 110-130 pieces per minute, the defect rate can be controlled within 1%. If the machine is well debugged, the measured defect rate can reach two per thousand.



The electric box adopts bus control, with fast response speed, 5 servo motors for the film machine, and 10 servo motors for the ear band welding machine

## Fish Mask Sample







Long video , please check below link :  
[https://www.youtube.com/watch?v=ELIE24PCC\\_g](https://www.youtube.com/watch?v=ELIE24PCC_g)