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股票代码 Stock Code: 002031

厚植科技 匠心智造
Ingenuity for Intelligence

智能自识别口罩 全自动化生产线

▽ Brief introduction of Intelligent Self-identify
and Automatic Mask Production Line



公司简介

BRIEF >>>
INTRODUCTION



巨轮智能装备股份有限公司（股票简称：巨轮智能 股票代码：002031）是目前国内规模较大、技术先进的高端智能精密装备开发制造企业，产品畅销全国并远销美国、日本、德国、英国、意大利等发达国家。巨轮智能是国家“火炬”计划重点高新技术企业、国家技术创新示范企业、全国首批十五家机器人规范企业、广东省首批十五家机器人骨干企业、广东省装备制造业五十强企业。公司设有国家级重点企业技术中心、院士工作站、博士后科研工作站、国家与地方联合工程研发中心，多次承担国家863计划项目、国家重点火炬计划项目、国家创新能力建设项目、国家新产品计划项目、工信部智能制造应用项目，先后获得国家、省、市科技进步奖二十多项。

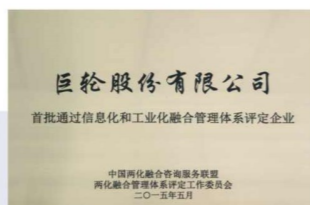
Greatoo Intelligent Equipment Inc. (Stock abbreviation: Greatoo Intelligent Stock code: 002031) is a large-scale, with advanced technology and high-end Intelligent precision equipment, and developing and manufacturing enterprise. Our products are sold throughout the country and exported to the United States, Japan, Germany, the United Kingdom, Italy and other developed countries. Greatoo intelligent is a key high-tech enterprise in the national "Torch" plan, a national demonstration enterprise of technological innovation, one of the first 15 Robot Manufacturing standard enterprises in China, one of the first 15 Robot Manufacturing key enterprises in Guangdong province, and one of the top 50 enterprises in equipment manufacturing industry in Guangdong province. Greatoo has set up national key enterprise technology center, academician workstation, post-doctoral scientific research workstation, national and local joint engineering R&D center, and bear the national 863 plan project, key national torch plan project, national innovation capacity building projects, the national new products program, ministry of intelligent manufacturing application project, and successively obtains more than 20 national, provincial, municipal science and technology progress prizes.



国家技术创新示范企业
National Technological Innovation
Demonstration Enterprises



全国首批符合工业机器人行业规范条件企业
The First Batch Of Enterprises In China
Meet The Requirements Of Industrial
Robotics Industry



首批通过两化融合管理体系评定企业
The First Batch Of Enterprises Passed The
Assessment Of The Integration Management
System Of Industrialization And Diversification



广东省机器人骨干企业
Guangdong Key Robot Enterprises

巨轮智能装备股份有限公司
GREATOO INTELLIGENT EQUIPMENT INC.

智能自识别口罩全自动化生产线 >>>

Brief introduction of Intelligent Self-identify and Automatic Mask Production Line

整线构成: 智能自识别口罩全自动化生产线 (JLKZX-001型) 由一台本体加2台耳带点焊机组成。从口罩本体生产 到耳带熔接, 鼻线熔接直至出成品, 完全自动化, 不需任何人工操作。

生产流程: 智能自识别口罩全自动化生产线 (JLKZX-001型) 生产流程主要包含卷材上料、折叠压合、鼻梁筋上料、口罩成型、口罩切断、耳带上料及焊接、视觉分拣检测 (选装)、成品下料等工艺, 完成从原材料到口罩成品的整个生产过程。

操作简介: 智能自识别口罩全自动化生产线 (JLKZX-001型) 是由一条自动分疏系统连接一台口罩本体机和两台外耳带机组成。口罩机生产的口罩本体, 可由plc平均分配到两套外耳带机上以每分钟80-100片的速度生产。全过程都可以通过人机介面触摸屏操作控制, 全自动化口罩机投产日后产口罩10万只以上 (24h生产)。

Overall Composition: JLKZX-001 consists of a main body and 2 sets of strap spot-welding machines. It is fully automatic from mask body to strap and nose clip welding and finished product. Manual work is not required.

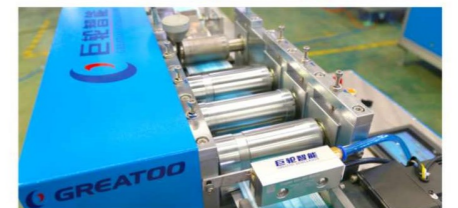
Production Flow: JLKZX-001 contains material feeding, folding, pressing, nose materials feeding, forming, cutting, ear strap assembly, visual inspection, product finish etc. It involves the complete process from raw materials to finished products.

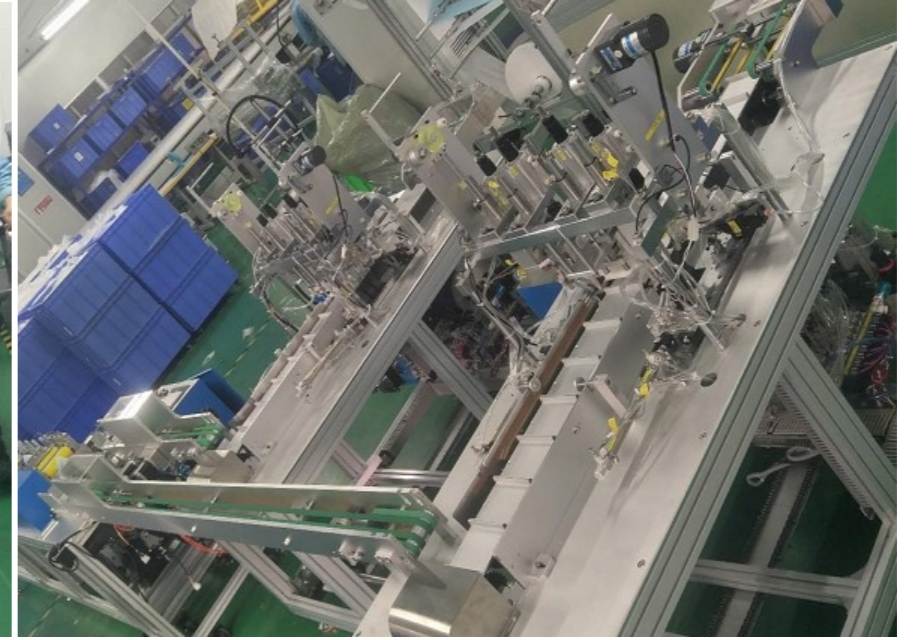
Operation Introduction: The mask body produced by the mask machine can be evenly distributed to the two external strap machines through PLC with the production of 80-100 pieces per minute. The whole process can be operated and controlled through the touch screen. After the full-automatic mask machine is put into production, it can produce more than 100000 masks per day (24h production).



技术参数 Technical Parameters >>>

规格尺寸(mm)	6800*3800*2000
产能 (PCS/min)	80-100
额定功率 Rated power (Kw)	8
气体压力 Gas pressure (MPa)	0.5-0.6
重量 Weigh (Kg)	1000
气缸、电磁阀、三联体 Air cylinder, Solenoid valve, FRL Unit	AIRTAC 亚德客
PLC	INOVANCE 汇川科技
伺服电机、触摸屏 Motor, Touch Screen	INOVANCE 汇川科技
视觉系统 (选装) Visual System	INOVANCE 汇川科技
电源/传感器 power supply/sensor	OMRON 日本欧姆龙





产品参数 | Product Specifications

触摸屏 Touch Screen: 3 Nos

超声波发生器 Ultrasonic device: 5 Nos

中间继电器 Intermediate relay: 7 Nos

电机 Speed Motor: 1 Set

伺服驱动器 Servo driver: 1 No

伺服电机 Servo motor: 1 No

定速电机 Fixed speed motor: 3 Nos

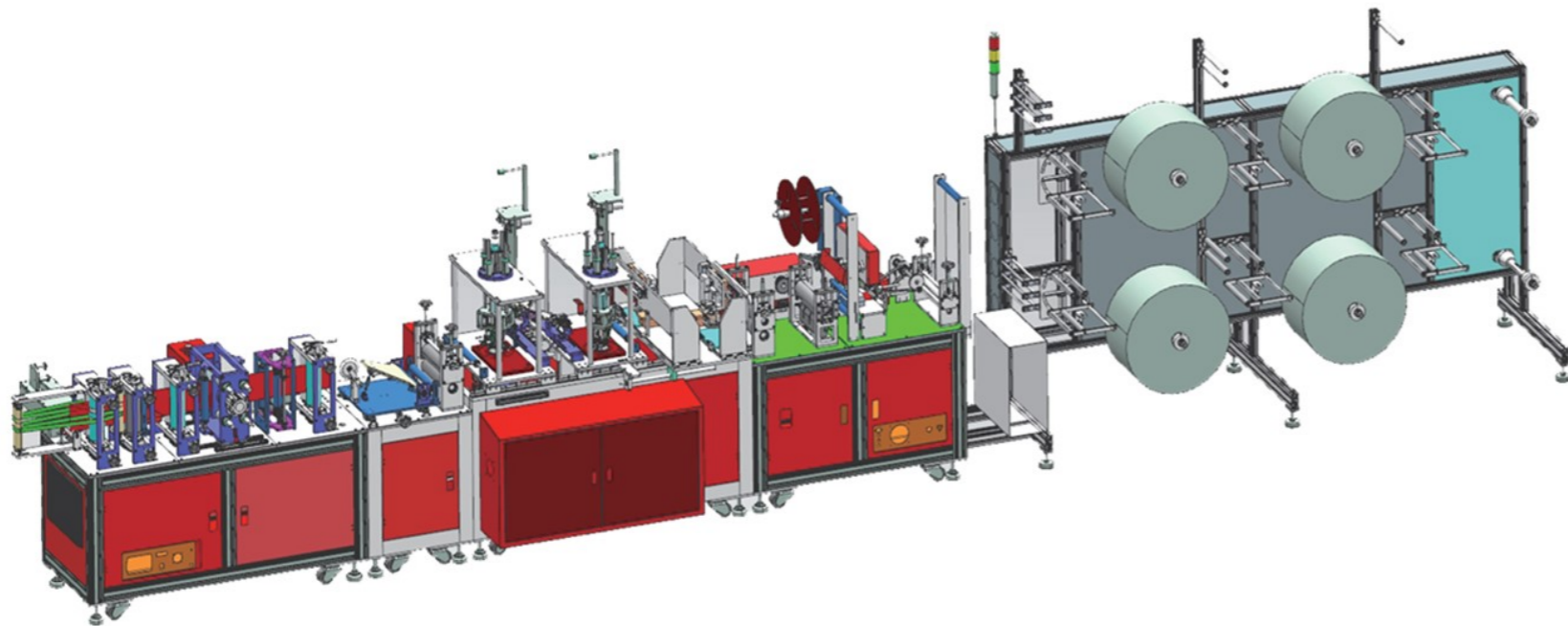
调速电机 Variable speed motor: 1 No

原产地 Origin: 中国 | China

运输方式 Delivery: 空运/陆运/海运 | By air / by road / by sea

装箱尺寸 | Packing Information

QTY	Net Weight /KG	Gross Weight/ KG	Packing Dimension (mm)
1	60	210	2000*800*600
2	350	445	2200*820*1060
2	60	140	1590*1170*870
2	60	110	980*660*1170
4	320	450	2060*1090*1530
2	40	75	2660*330*410



Item	Description	Specifications	Note
1	Power supply	~220V±10% 50Hz±2%	
2	Control power	~220V、24V	
3	Total capacity (Nominal Voltage)	10KV	
4	Fuse current (Nominal current)	40A	
5	Electrical devices installation	independent electric cabinet	
6	Productivity	30 pcs/min	
7	Dimension	~8800x1500x2200mm (Length*Width*Height)	
8	Weight	~1400Kg	(for reference only)
9	Working environment	No flammable gas, no corrosive gas, no dust	

Kn95 Intelligent and Automatic Mask Production Line adopts aluminum alloy structure; the main drive is geared motor, different shapes and sizes masks are produced by changing different modules. The N95 butterfly mask machine completes the cup formation in one pass, there are some processes to complete the entire production, such as coiled fabric feeding, nose bridge feeding, welding pattern, folding, welding, mask forming and cutting etc.

Masks are comfortable to wear, no tight pressure and with a good filtering effect. They fit the human face and can be used in medical, electronics, mining, and construction industries.

- Semi-automatic plane mask forming machine



- Semi-automatic KN95 mask forming machine



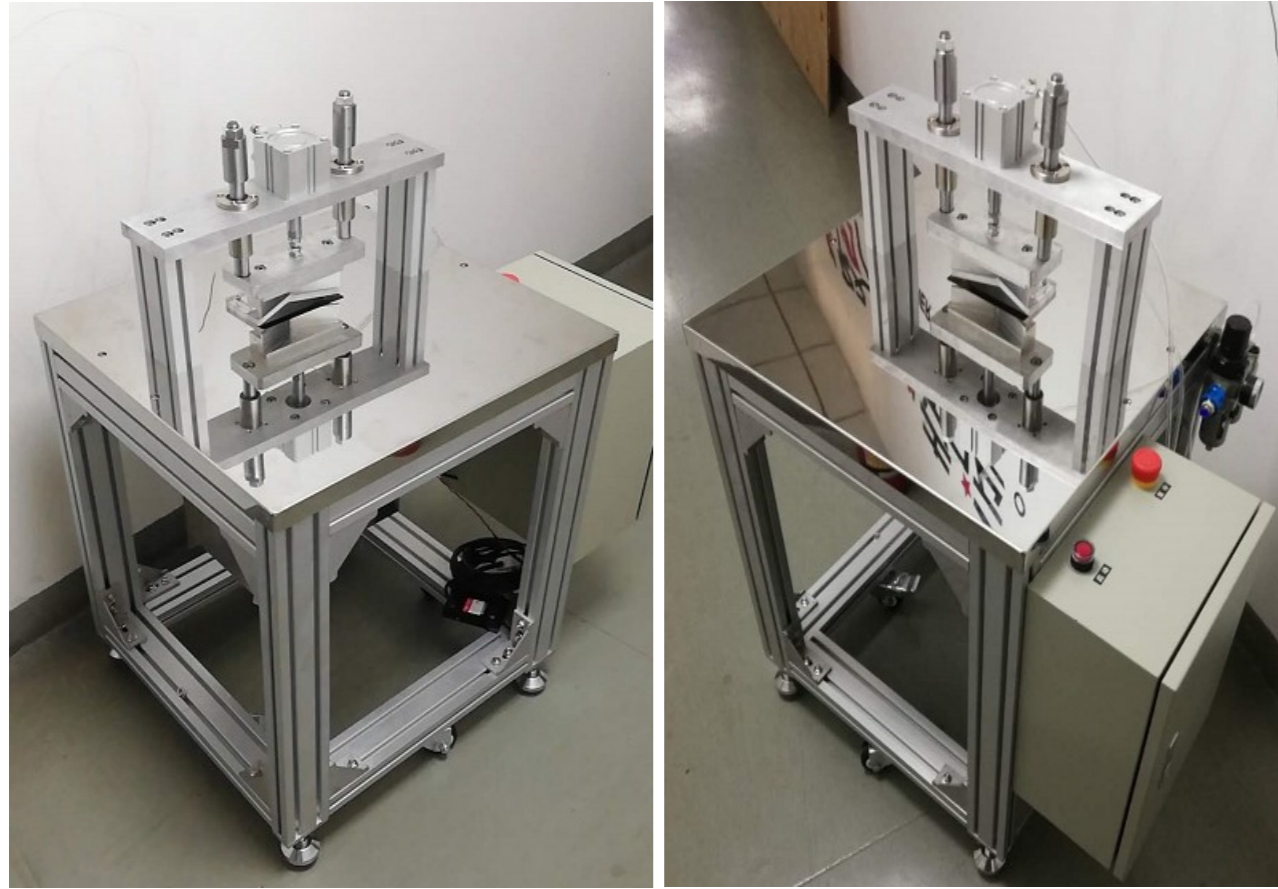
产品参数 | Product Specifications

规格尺寸 Size (mm)	3500*2050*815mm
产能 Productivity (PCS/min)	100-120
额定功率 Power (Kw)	1.5
重量 Weight (Kg)	500
电源/传感器 Power supply/sensor	AC220V,50Hz
电磁阀、三联件 Air cylinder,FRL Unit	Airtac
气体压力 Air pressure (Mpa)	0.5-0.6

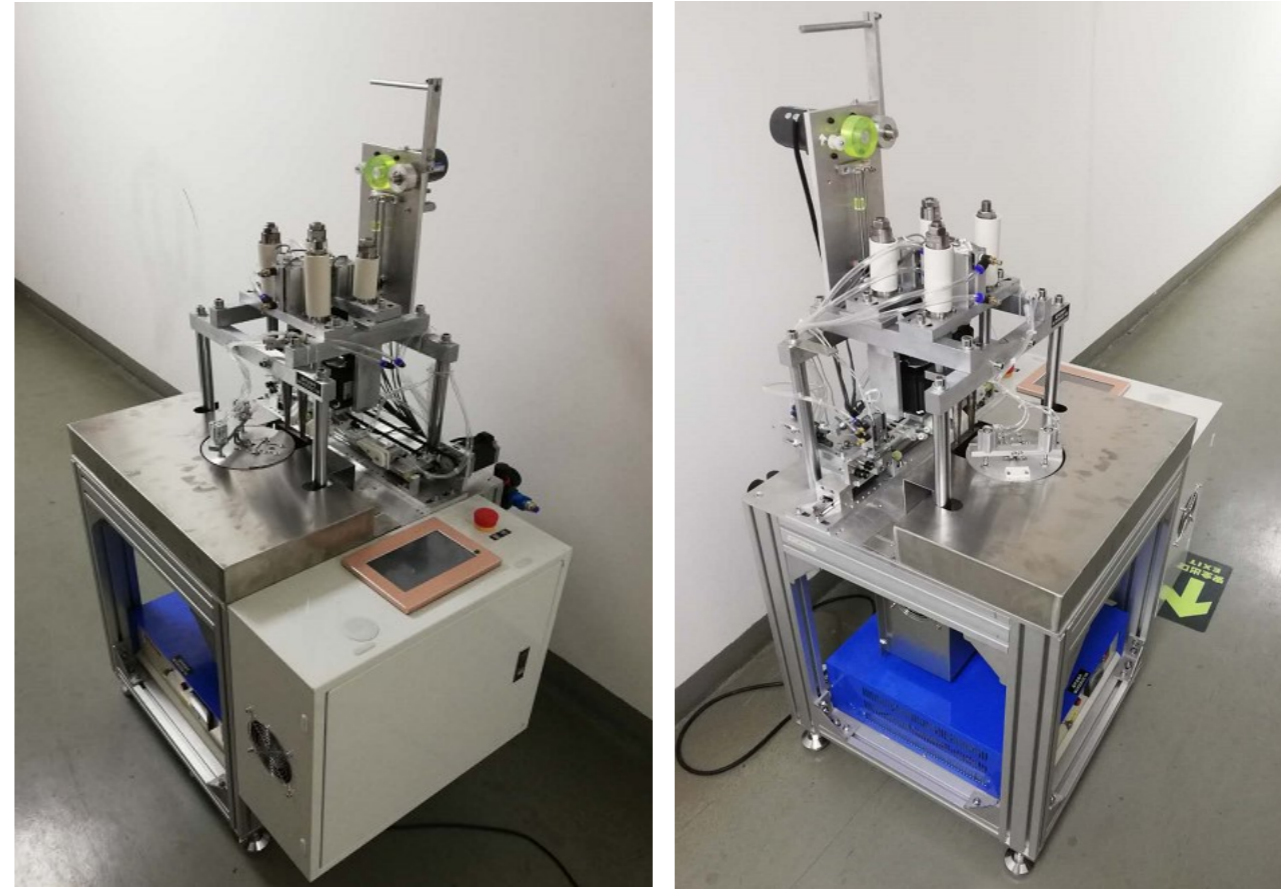
产品参数 | Product Specifications

规格尺寸 Size (mm)	3500*1500mm
产能 Productivity (PCS/min)	30-50
额定功率 Power (Kw)	2KW
重量 Weight (Kg)	500
电源/传感器 Power supply/sensor	AC220V,50Hz
电磁阀、三联件 Air cylinder,FRL Unit	Chinese brand
气体压力 Air pressure (Mpa)	0.5-0.6

- KN95 sealing machine



- KN95 Ear loop welding machine



产品参数 | Product Specifications

Production speed	30-60pcs / min
Machine weight	50KG
Working power	220V, 50HZ,
power (KW)	2
Compressed air	0.5-0.6mpa

产品参数 | Product Specifications

Size (mm)	770*700*1500 mm
Power(Kw)	1.5
Weight (Kg)	150
PLC	Xinje
Screen	YKHMI
Stepping motor	Leadshine
Air cylinder,FRL Unit	Airtac
Air Mpa	0.5-0.6



产品参数 | Product Specifications

品名 Product Name: 一次性口罩 | Non-Medical mask

规格 Size: 200*100*80mm

净重 Net Weight: 180g

毛重 Gross Weight: 205g

包装尺寸 Packing information: 50片/盒 | 50 pcs / box

证书 Certificate: CE/FDA

原产地 Origin: 中国 | China

产能 Capacity: 80,000 pcs / day

运输方式 Delivery: 空运/陆运/海运 | By air / by road / by sea

起定量 MOQ: 50,000 pcs



KN95 Protective Mask



产品参数 | Product Specifications

—品名 Product Name: 防护口罩 | KN95 mask

规格 Size: 140*140*190mm

净重 Net Weight: 300g

毛重 Gross Weight: 380g

包装尺寸 Packing information: 50片/盒 | 50 pcs / box

证书 Certificate: CE/FDA

原产地 Origin: 中国 | China

产能 Capacity: 64,000 pcs / day

运输方式 Delivery: 空运/陆运/海运 | By air / by road / by sea

起定量 MOQ: 10,000 pcs

