



用 科 技 妆 点 美
When Technology Meets Beauty



乐虹智能科技(浙江)有限公司
LEROUGE INTELLIGENT TECHNOLOGY (ZHEJIANG) CO., LTD.

地址: 浙江省湖州市南浔区富园路350号

邮箱: ximing.zhang@suolixi.com

Add: No.350, Fuyuan Road, Nanxun District, Huzhou City, Zhejiang Province

E-mail: ximing.zhang@suolixi.com



咨询热线
Enquiry hotline

0086-13915412605

乐虹智能科技(浙江)有限公司
LEROUGE INTELLIGENT TECHNOLOGY (ZHEJIANG) CO., LTD.

企业使命 MISSION

提供一站式美妆智造解决方案
Provider of Turnkey Solutions For Cosmetics Manufacturing

企业愿景 VISION

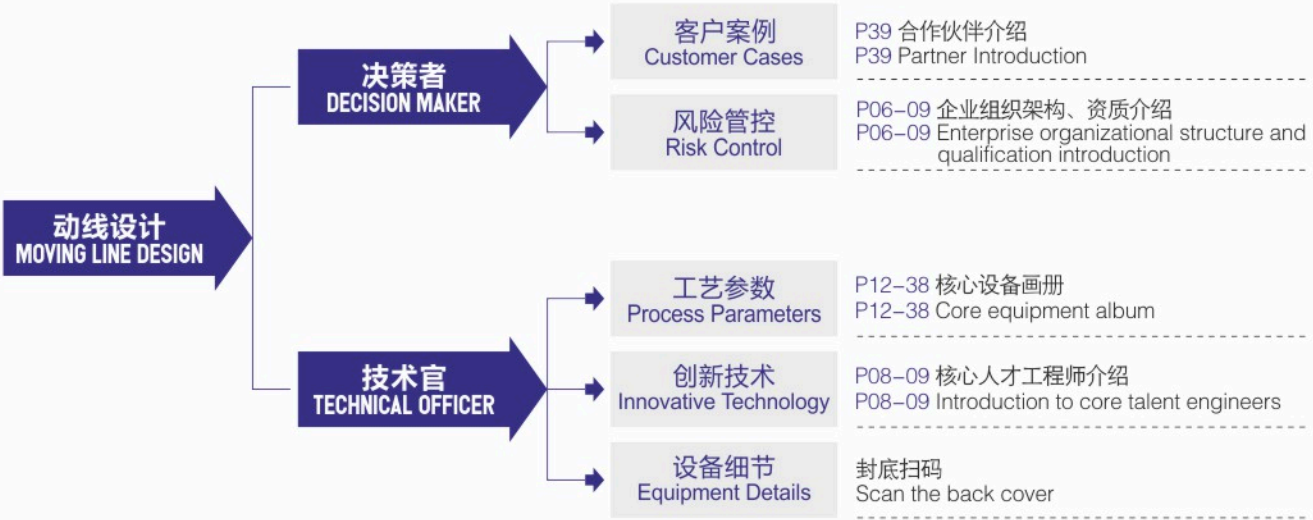
成为中国美妆智造领域的创新先锋
Become A Pioneer In Innovation In China's Beauty And Intelligent Manufacturing Field

价值观 VALUES

热爱、坚韧、共赢
Passion, Resilience, Synergy

目录
CONTENT

04	公司介绍 Company introduction	27	粉饼色彩打印机 Powder color printer
06	公司荣誉与专利 Company honors and patents	28	笔芯灌装机 Pen core filling machine
08	团队管理 Team management	29	套笔帽机 Pen cap machine
10	制造与质量管理 Manufacturing and quality management	30	在线热灌装机 Online hot filling machine
12	散粉自动生产线 Loose powder automatic production line	31	自动旋盖机 Automatic capping machine
14	热灌装自动生产线 Hot filling automatic production line	32	自动套膜机 Automatic sleeving machine
16	气垫自动生产线 Air cushion automatic production line	33	铝箔封口机 Aluminum foil sealing machine
18	卸妆膏高速灌装线 Makeup removing balm high-speed filling line	34	小单机设备系列 Small stand-alone equipment series
20	多模式柔性口红机 Multi-mode flexible lipstick machine	34	自动化供料岛系列 Automated feeding island series
21	多模式柔性高速口红机 Multi-mode flexible high-speed lipstick filling machine	35	实验室设备 Laboratory equipment
22	口红喷珠光机 Lipstick pearl spraying machine	36	口红模具 Lipstick mold
23	双头转盘灌装机 Double head rotary disk filler	37	硅胶模具 Silicone mold
24	双头气垫转盘灌装机 Double-head air cushion rotary filling machine	37	压粉模具 Powder pressing mold
25	四头气垫环形灌装机 Four-head air cushion ring filling machine	38	笔类模具 Pencil mold
26	多模式压粉机 Multi-mode powder press machine	39	合作客户 Our customers



公司介绍
COMPANY INTRODUCTION

01

创立
FOUNDED

始创于2014年，位于南太湖之滨湖州南浔，乐虹源于法语Lerouge的音译。

Lerouge, transliteration from a french phrase "Le Rouge", was founded in 2014, and located in Nanxun, Huzhou.

02

范围
SCOPE

美妆通用机型&非标定制机型。

Standard and customized machines and molds for cosmetics manufacturing.

03

能力
ABILITY

为客户提供一站式美妆制造智能化系统解决方案。

Provide turnkey solutions for cosmetics manufacturing intelligence.

04

优势
ADVANTAGE

聚焦于美妆传统生产工艺和自动化技术的融合。

Focus on the integration of classical cosmetics production process and automation intelligence.



7000

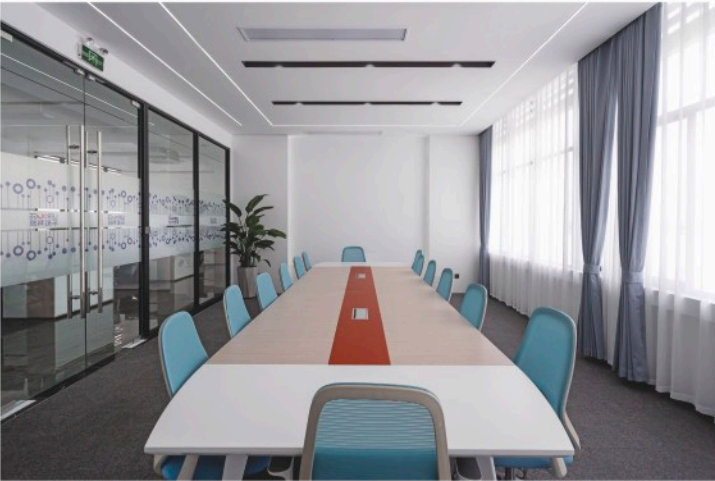
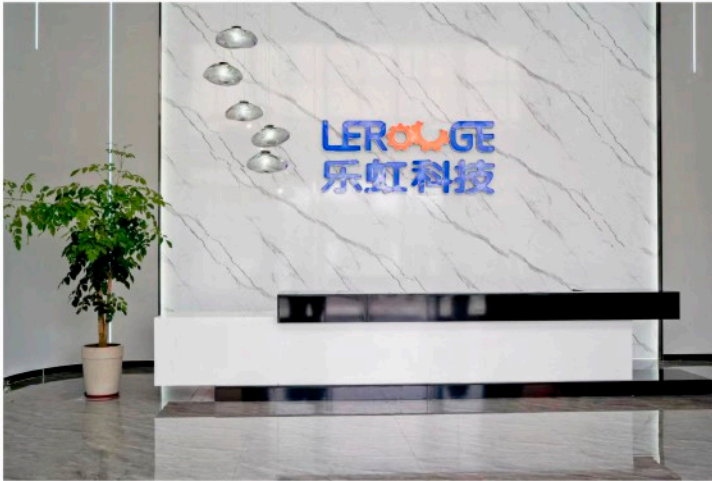
公司总投资7000万
Total investment of 70 million

19000

公司占地面积约19000平方米
Total land area of 19,000 m²

1200

研发和生产设备投入1200万
Total investment of 12 million in R&D and equipment



公司荣誉与专利 COMPANY HONORS AND PATENTS

2020

入选湖州市“南太湖精英计划”领军型创新创业团队
入选湖州市第四批全市工业“大好高”项目
智能化DIY定制口红机荣获第八届上交会“最佳人气科技产品”
Selected as a leading innovation and entrepreneurship team in Huzhou City's "South Taihu Elite Plan"
Selected into the fourth batch of Huzhou City's industrial "big, good, high" projects
Intelligent DIY customized lipstick machine awarded the "Best Popular Technology Product" at the 8th Shanghai International Trade Fair

2021

管理人荣获南浔经济开发区“科技创新人才奖”
The founder was awarded the "Technology Innovation Talent Award" of Nanxun Economic Development Zone

2022

管理人被湖州市委授予“青年人才新锐”称号
The founder was awarded the title of "Young Talent" by the Huzhou Municipal Party Committee

2023

入选中国人社部留学人员创业启动支持计划：优秀项目获评“国家级高新技术企业”
Selected into the Chinese Ministry of Human Resources and Social Security's Entrepreneurship Startup Support Program for Overseas Students:
Excellent Project Awarded as "National High-tech Enterprise"

2024

被认定为湖州市级科技企业研究开发中心
Recognized as Huzhou Municipal Science and Technology Enterprise Research and Development Center



作为全球美妆行业领导者如迪奥、欧莱雅、巴斯夫、莹特丽等公司的合作伙伴，乐虹科技的产品赢得了市场的广泛信赖，拥有77项专利，其中包括4项发明专利和73项实用新型专利。

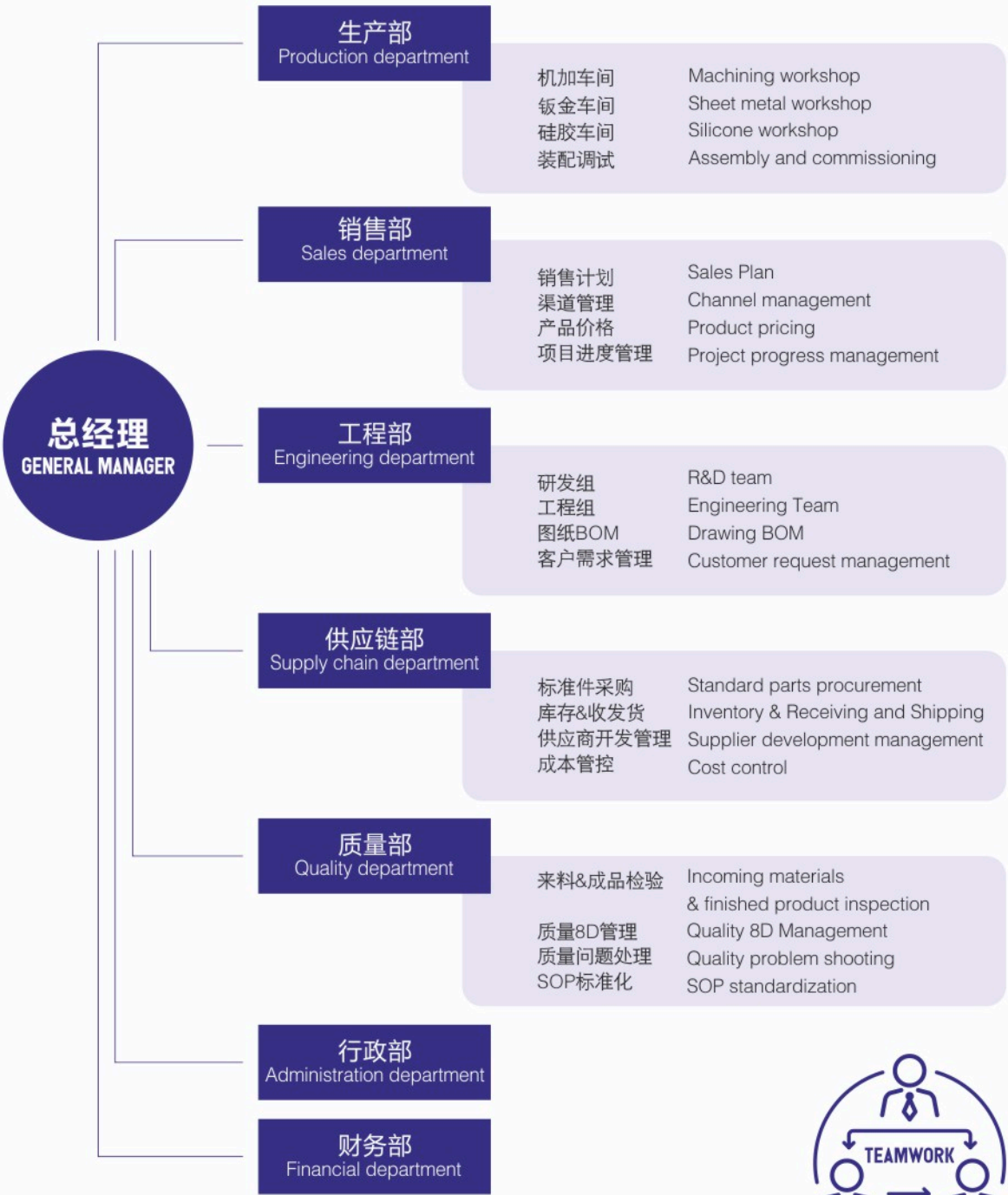
As a partner of global beauty industry leaders such as Dior, L'Oréal, BASF, Intetra and other companies, Lehong Technology's products have won widespread trust in the market and have 77 patents, including 4 invention patents and 73 practical patents. New patent.



团队管理
TEAM MANAGEMENT

乐虹团队由一群对美妆行业充满热情的专业人士组成，基于对美妆生产工艺的深刻理解，为美妆工厂提供包括蜡基单元，粉类单元(压粉&散粉)，笔类单元，轻彩妆单元(气垫&卸妆膏)灌包的全站解决方案。

The LeRouge team is composed of industry experts passionate about the beauty sector. With a deep understanding of cosmetic manufacturing processes, we provide turnkey solutions for beauty production facilities. Our offerings include the design and implementation of wax-based units, powder processing units (for pressed powders and loose powders), pencil assembly units, and lightweight makeup units (such as cushion foundations and cleansing balms), along with filling and packaging systems.



10	7	7	15
10位机械设计工程师 10 mechanical design engineers	7位电气设计工程师 7 electrical design engineers	7位现场调试工程师 7 field commissioning engineers	15位机加工技师 15 machining technicians

制造与质量管理 MANUFACTURING AND QUALITY MANAGEMENT

作为中国美妆设备的领军企业，乐虹科技致力于将传统的美妆生产工艺和自动化技术相结合，为美妆工厂提供智能化，柔性化，标准化的一站式美妆制造解决方案。公司占地面积近2万平方米，设有先进的工程与研发中心，机加工车间，钣金车间，硅胶车间和装配&调试车间，保证从研发到生产的每一个环节都精益求精。

As a leading innovator in China's beauty equipment industry, LeRouge Technology is committed to merging traditional cosmetic manufacturing processes with cutting-edge automation technologies. We provide beauty production facilities with intelligent, flexible, and standardized turnkey manufacturing solutions. The company spans nearly 20,000 square meters and is equipped with state-of-the-art engineering and R&D centers, precision machining workshops, sheet metal fabrication facilities, silicone production areas, and assembly & testing workshops. This ensures that every stage, from R&D to production, is executed with the highest level of precision and quality.

可提供机械/电气设计, 机械加工,
钣金加工, 硅胶加工, 装配/调试等全站解决方案

PROVIDE TURNKEY SOLUTIONS FOR MECHANICAL / ELECTRICAL DESIGN, MACHINING, SHEET METAL PROCESSING, SILICONE PROCESSING, ASSEMBLY / COMMISSIONING



CUSTOMER-ORIENTED SOLUTIONS

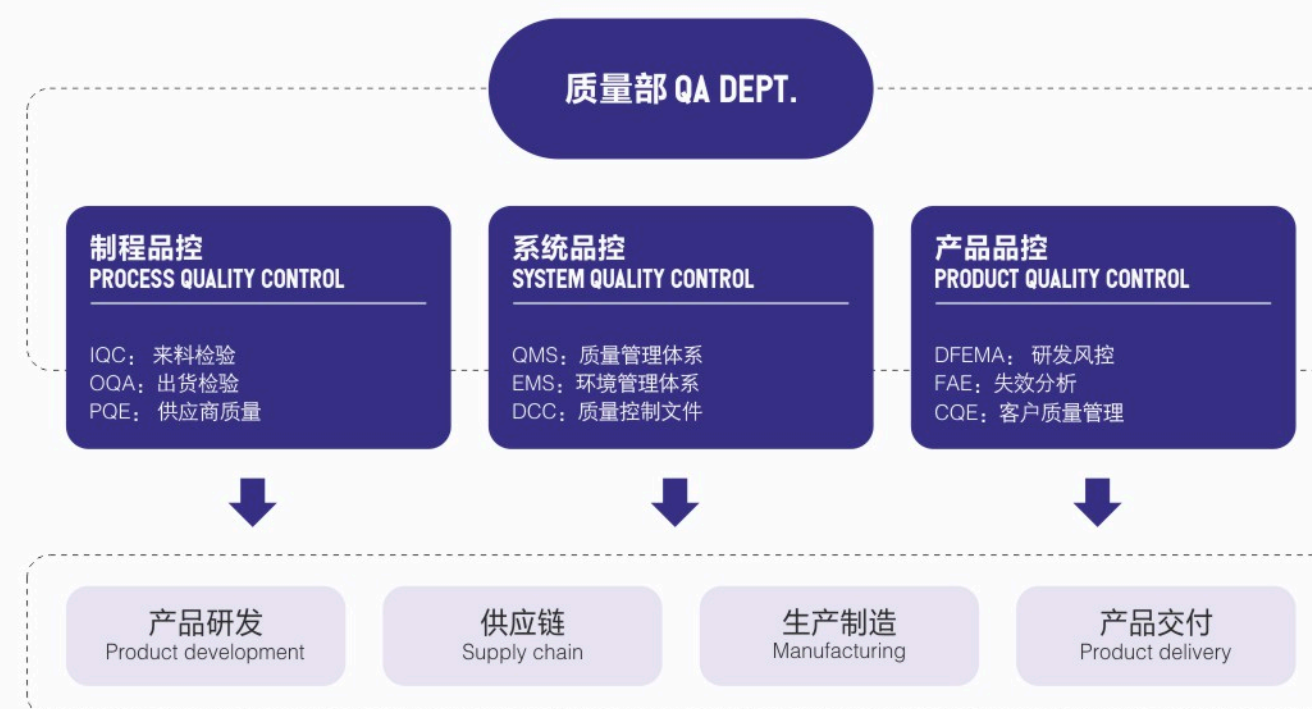
提供以客户为导向的解决方案

乐虹科技



用科技妆点美
WHEN TECHNOLOGY MEETS BEAUTY

质量管理体系 QUALITY MANAGEMENT SYSTEM



散粉自动生产线 LOOSE POWDER AUTOMATIC PRODUCTION LINE

功能 Function

- ◆适用产品：散粉
- ◆用途：灌装&组装
- ◆工序：自动供瓶、灌装、抖动、自动供内塞、自动压内塞、自动供外盖、自动旋盖、静电除尘、贴标等
- ◆优势：打通生产前段至后段，实现全链条自动化
- ◆Applicable product: Loose powder.
- ◆Use: Filling and packaging.
- ◆Process: Automatic bottle supply, filling, shaking, automatic inner plug supply, automatic inner plug pressing, automatic outer cap supply, automatic lid display, electrostatic precipitator, labeling, etc
- ◆Advantage: Innovative visual positioning ensures full automation from the beginning to the end of production.

机械特点 Technical Features

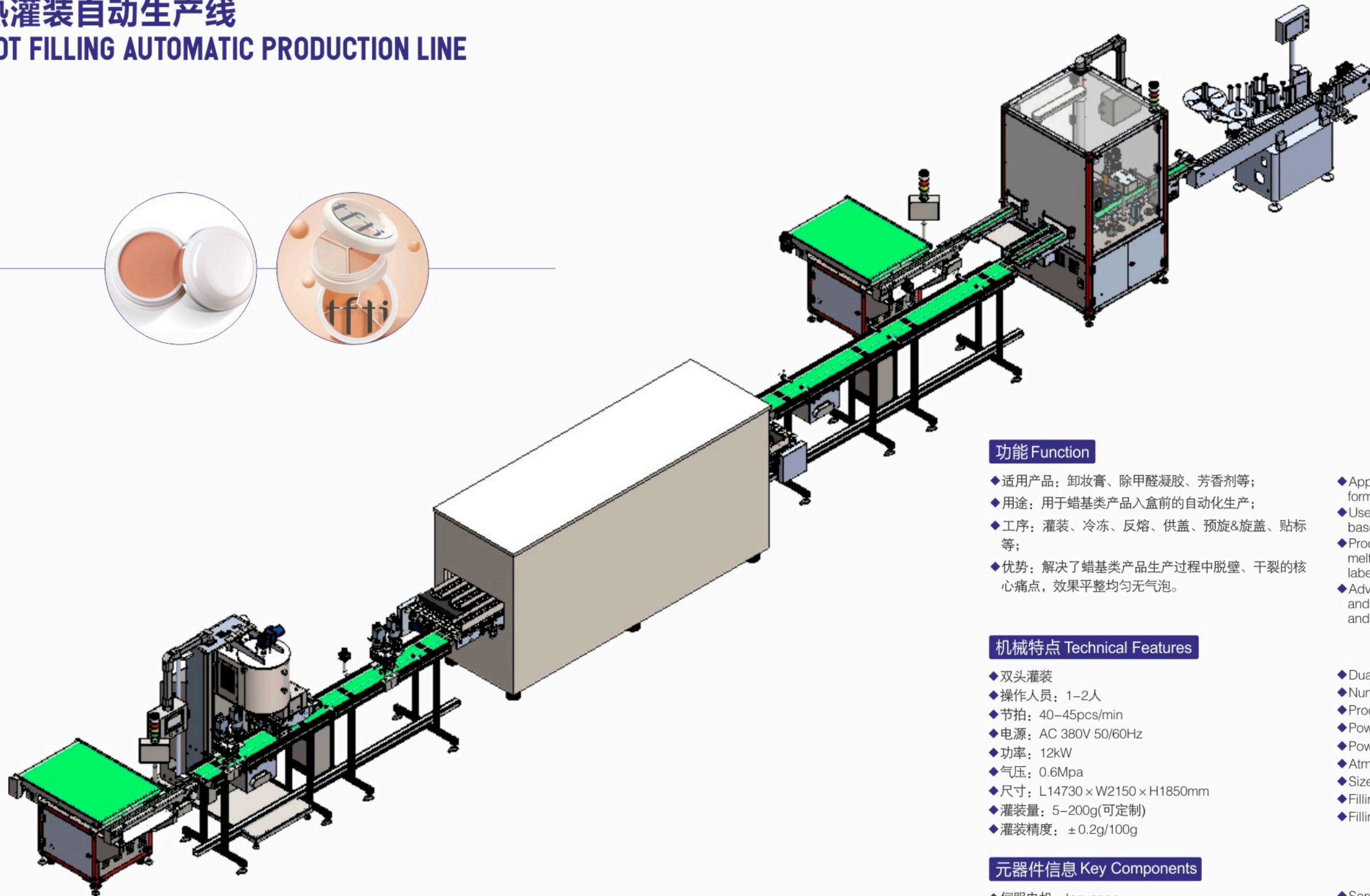
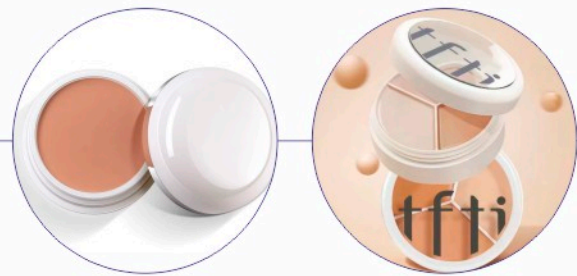
- ◆操作人员：2人
- ◆节拍：36-42pcs/min
- ◆电源：AC 380V 50/60Hz
- ◆功率：12kW
- ◆尺寸：L11000 × W1500 × H1850mm
- ◆气压：0.6Mpa
- ◆灌装量：5-20g
- ◆灌装精度：±0.2g
- ◆Number of operators: Two person
- ◆Production Capacity: 36-42pcs/min
- ◆Power supply: AC 380V 50/60Hz
- ◆Power: 12KW
- ◆Size: L11000 × W1500 × H1850mm
- ◆Atmospheric pressure: 0.6Mpa
- ◆Filling volume: 5-20g
- ◆Filling accuracy: ±0.2g

元器件信息 Key Components

- ◆伺服电机：Inovance
- ◆调速电机：Jingyan
- ◆传感器：Keyence/Omron
- ◆电气元件：SMC/Schneider
- ◆控制元件PLC：Inovance
- ◆Servo motor: Inovance
- ◆Speed control motor: Jingyan
- ◆Sensor: Keyence/Omron
- ◆Electrical Components: SMC/Schneider
- ◆Control PLC: Inovance



热灌装自动生产线 HOT FILLING AUTOMATIC PRODUCTION LINE



功能 Function

- ◆适用产品：卸妆膏、除甲醛凝胶、芳香剂等；
- ◆用途：用于蜡基类产品入盒前的自动化生产；
- ◆工序：灌装、冷冻、反熔、供盖、预旋&旋盖、贴标等；
- ◆优势：解决了蜡基类产品生产过程中脱壁、干裂的核心痛点，效果平整均匀无气泡。

机械特点 Technical Features

- ◆双头灌装
- ◆操作人员：1-2人
- ◆节拍：40-45pcs/min
- ◆电源：AC 380V 50/60Hz
- ◆功率：12kW
- ◆气压：0.6Mpa
- ◆尺寸：L14730 × W2150 × H1850mm
- ◆灌装量：5-200g(可定制)
- ◆灌装精度：±0.2g/100g

元器件信息 Key Components

- ◆伺服电机：Inovance
- ◆调速电机：Jingyan
- ◆传感器：Keyence
- ◆电气元件：SMC/Schneider Electric/Airtac
- ◆控制元件PLC：Inovance

- ◆Applicable Product: Such as remover cream, formaldehyde removal gel, and fragrance.
- ◆Use: For the automation production before the wax-based products are boxed.
- ◆Production processes: Filling, freezing, reverse melting, feeding caps, pre-screwing and screwing, labeling.
- ◆Advantage: It solves the core issues of wall stripping and cracking during cream filling, ensuring a smooth and uniform result without bubbles.

- ◆Dual-head filling
- ◆Number of operators: one to two person
- ◆Production capacity: 40-45pcs/min
- ◆Power supply: AC 380V 50/60Hz
- ◆Power: 12KW
- ◆Atmospheric pressure: 0.6Mpa
- ◆Size: L14730 × W2150 × H1850mm
- ◆Filling volume: 5-200g(Customizable)
- ◆Filling accuracy: ±0.2g/100g

- ◆Servo motor: Inovance
- ◆Speed control motor: Jingyan
- ◆Sensor: Keyence
- ◆Electrical components: SMC/Schneider Electric/Airtac
- ◆Control PLC: Inovance

气垫自动生产线 AIR CUSHION AUTOMATIC PRODUCTION LINE

功能 Function

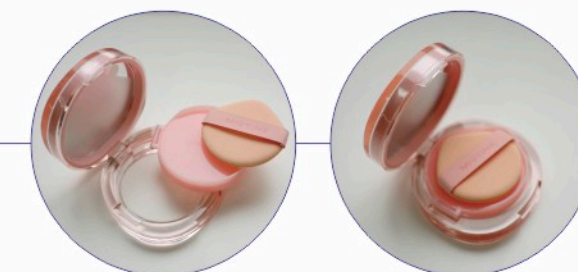
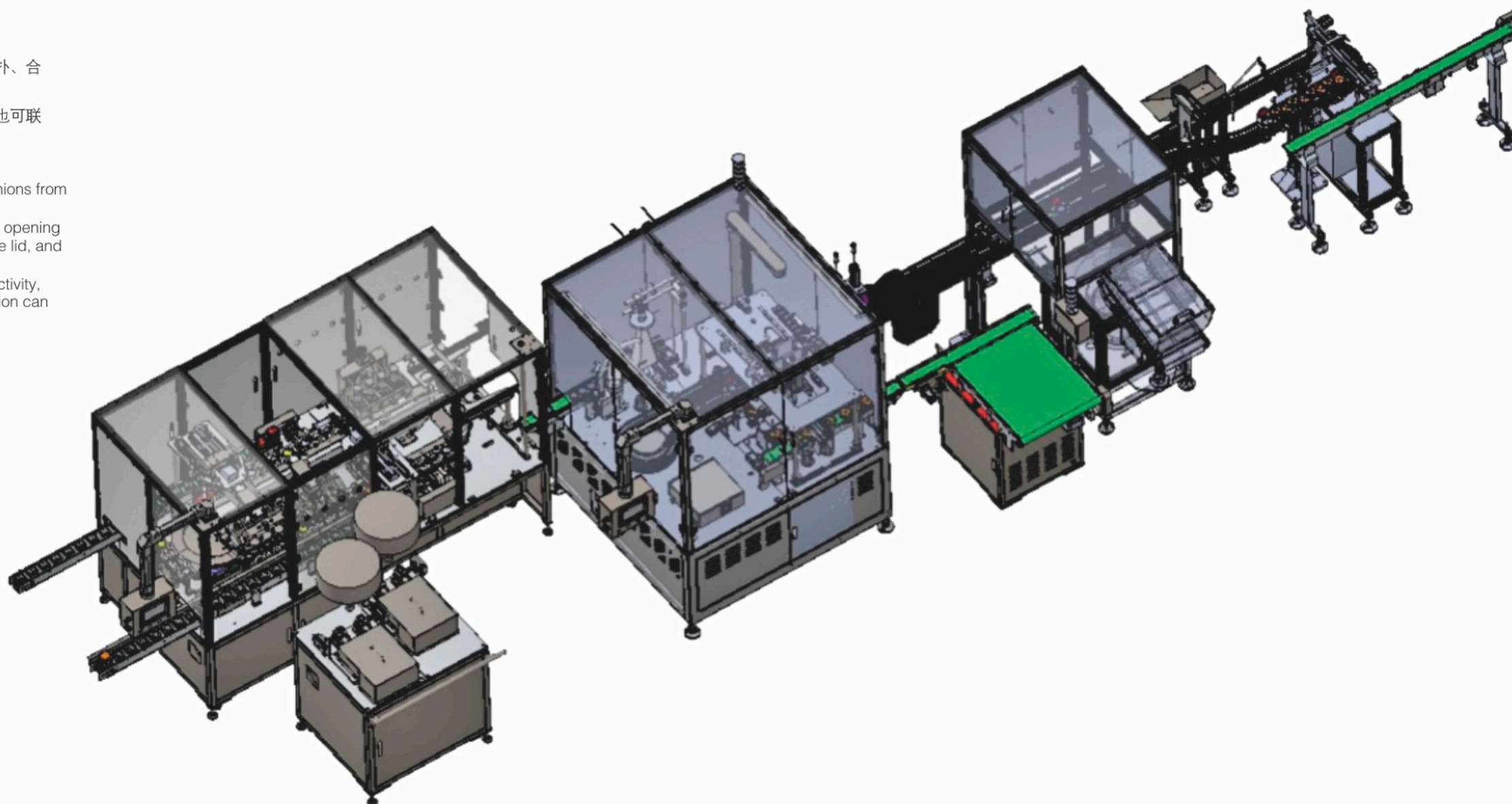
- ◆适用产品：气垫类产品；
- ◆用途：实现气垫从灌装、组装到成品的全站式自动化生产；
- ◆工序：灌装(拍打、压卡环、合盖)、镜盒开盖、组装、自动上粉扑、合盖、成品移出；
- ◆优势：全自动整线，提高人均能效，稳定性更高；可单机生产，也可联机生产。
- ◆Applicable product: Air cushion products.
- ◆Purpose: To achieve full station automated production of air cushions from filling, assembly to finished products.
- ◆Process: Filling (tapping, pressing the snap ring, closing the lid), opening the mirror box lid, assembling, automatic powder puff, closing the lid, and removing the finished product.
- ◆Advantage: Full-automatic production line, improve labor productivity, and higher stability. It can be produced offline, or online production can also be carried out.

机械特点 Technical Features

- ◆操作人员Number of operators: 2~3人 two~three people
- ◆节拍Production capacity: 36~40pcs/min
- ◆电源Power supply: AC 380V 50/60Hz
- ◆尺寸Size: L10000 × W3010 × H1950mm
- ◆灌装量Filling capacity: 5~20g
- ◆灌装精度Filling accuracy: $\pm 0.2\text{g}/100\text{g}$
- ◆功率Power: 16kW
- ◆机身材料Fuselage material:
SUS304 铝型 SUS304 Aluminum profile
- ◆整机与物料接触部分contacted material:
不锈钢材料制成Made of stainless steel material
- ◆自制切换阀Self-made switching valve:
德国食品级S136材料German food-grade S136 material

元器件信息 Key Components

- ◆PLC: Inovance
- ◆人机界面Man-machine interface:
10-inch-Inovance
- ◆测物电眼Electrical eye measurement: Keyence
- ◆伺服电机Servo motor: Inovance
- ◆步进电机Stepper motor: Leisai
- ◆开关电源Switching power supply:
24V-6A-Meanwell
- ◆调速器(包括保险开关)Speed governor: Taibang
- ◆视觉Vision: Hikvision



卸妆膏高速灌装线 MAKEUP REMOVING BALM HIGH-SPEED FILLING LINE

功能 Function

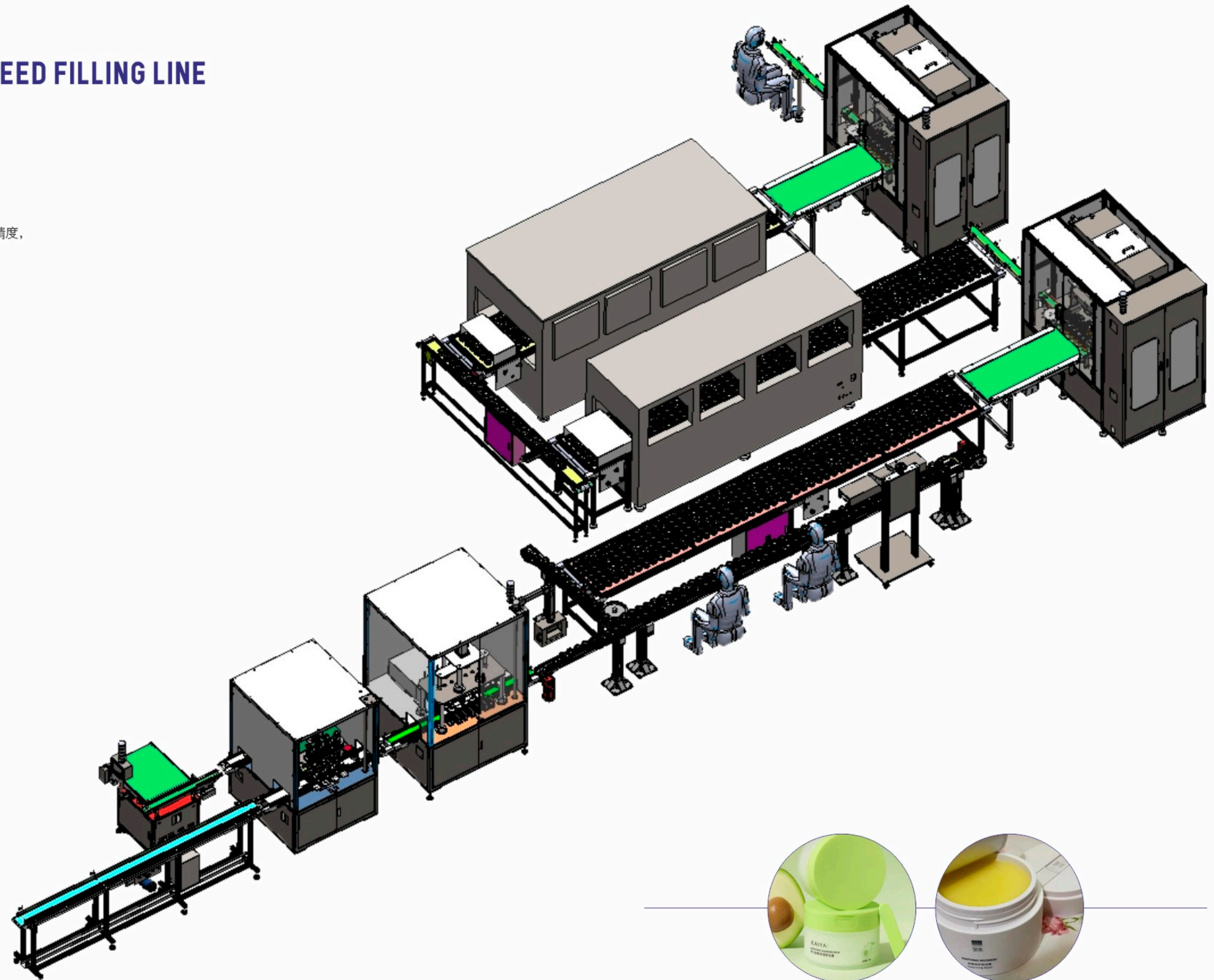
- ◆适用产品：卸妆膏、冷霜、凡士林等广口瓶包装产品；
- ◆用途：高速灌装；
- ◆工序：除尘，灌装，冷却，反熔等；
- ◆优势：灌装阀独立伺服控制，可任意调节每个针管灌装量，精准控制灌装精度，陶瓷片高精度反熔，灌装效果平整均匀，无气泡、无裂纹。
- ◆Applicable product: Makeup remover cream, cold cream, petroleum jelly, and other wide-mouth jar products.
- ◆use: Automatic filling.
- ◆Production processes: Dust removal, filling, cooling, and reverse melting.
- ◆Advantage: The filling valve is independently servo controlled, which can adjust the filling amount of each needle tube arbitrarily and accurately control the filling accuracy. Ensure high precision and uniform filling without bubbles or cracks.

机械特点 Technical Features

- ◆六头灌装 Six head filling
- ◆操作人员Number of operators: 2人 Two people
- ◆节拍Production capacity: 40–60pcs/min
- ◆电源Power supply: AC 220V 50/60Hz
- ◆功率Power: 18kW
- ◆气压Power: 0.6Mpa
- ◆灌装量Filling volume: 5–150ml
- ◆灌装精度Filling accuracy: $\pm 0.1\text{g}/100\text{g}$
- ◆尺寸Size: L11000 × W2900 × H2100mm

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆调速电机Speed control motor: Jingyan
- ◆传感器Sensor: Keyence
- ◆电气元件Electrical components: SMC/Schneider
- ◆控制元件PLC Control PLC: Inovance



多模式柔性口红机 MULTI-MODE FLEXIBLE LIPSTICK MACHINE



功能 Function

- ◆适用产品：鸟嘴，斜口，圆形，迷你口红；腮红棒，香膏棒，遮瑕棒等产品；
- ◆用途：灌装&脱模；
- ◆工序：预热、灌装、反融、冷却、入芯脱模等；
- ◆优势：机械手脱模为专利设计，柔性高，打造定制化、多元化的智能生产方案。

- ◆Applicable product: Bullet-shaped, slanted tip, round, and mini lipsticks; lip balm, perfume sticks, sunscreen sticks, and other stick-shaped products.
- ◆Use: Filling & Demoulding.
- ◆Process: automatic cover supply, pre-spin, circumrotation, automatic defect removal.
- ◆Advantage: The robotic arm demolding is a patented design, creating customization and diversification.

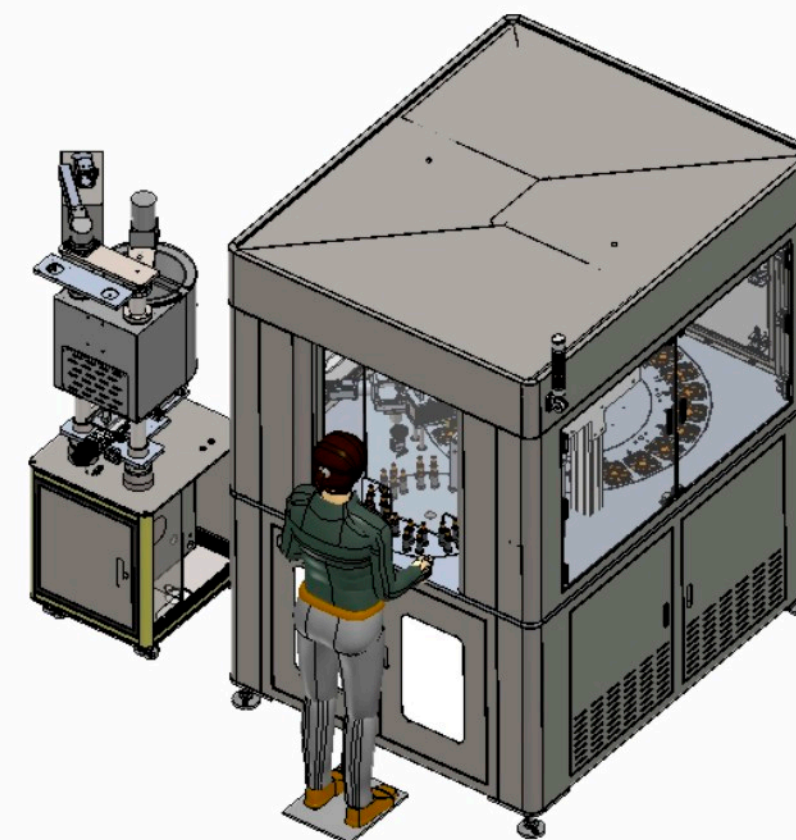
机械特点 Technical Features

- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 8pcs/min
- ◆电源Power supply: AC 380V/ 50-60Hz
- ◆功率Power: 5.5kW
- ◆气压Atmospheric pressure: 0.6Mpa
- ◆冷却温度Cooling temperature: -20℃
- ◆尺寸Size: L1600 × W1200 × H1900mm

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆调速电机Speed control motor: Jingyan
- ◆传感器Sensor: Keyence
- ◆电气元件Electrical Components: SMC/Schneider
- ◆控制元件PLC Control PLC: Inovance
- ◆机械手Robotic arm: Inovance
- ◆温控模块Temperature module: Xianda

多模式柔性高速口红机 MULTI-MODE FLEXIBLE HIGH-SPEED LIPSTICK FILLING MACHINE



功能 Function

- ◆适用产品：鸟嘴、斜口、圆形、迷你口红；腮红棒、香膏棒、遮瑕棒等产品；
- ◆用途：灌装&脱模；
- ◆工序：预热、灌装、反融、冷却、入芯脱模等；
- ◆优势：机械手脱模为专利设计，柔性高，打造定制化、多元化的智能生产方案。占地面积小，人均能效高。

- ◆Applicable product: Bullet-shaped, slanted tip, round, and mini lipsticks; lip balm, perfume sticks, sunscreen sticks, and other stick-shaped products.
- ◆Use: Filling & Demoulding.
- ◆Process: automatic cover supply, pre-spin, circumrotation, automatic defect removal.
- ◆Advantage: The robotic arm demolding is a patented design, creating customization and diversification. Small footprint and high per capita energy efficiency.

机械特点 Technical Features

- ◆双伺服灌装 Dual servo filling
- ◆操作人员Number of operators: 2人 Two people
- ◆节拍Production capacity: 25-30pcs/min
- ◆电源Power supply: AC 380V/ 50-60Hz
- ◆功率Power: 5.5kW
- ◆气压Atmospheric pressure: 0.6Mpa
- ◆冷却温度Cooling temperature: -20℃
- ◆料桶容量Bucket capacity: 20L
- ◆尺寸Size: L1750mm × W1400mm × H2025mm

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆调速电机Speed control motor: Jingyan
- ◆传感器Sensor: Keyence
- ◆电气元件Electrical Components: SMC/Schneider
- ◆控制元件PLC Control PLC: Inovance
- ◆机械手Robotic arm: Inovance
- ◆温控模块Temperature module: Xianda

口红喷珠光机 LIPSTICK PEARL SPRAYING MACHINE



功能 Function

- ◆适用产品：口红、润唇膏、香膏棒等产品；
- ◆用途：膏体表面喷涂珠光；
- ◆工序：产品膏体自动旋出，自动喷珠光，膏体自动旋入；
- ◆优势：表面珠光均匀；膏体表面无擦伤，无珠光残留；外壳表面无污染，无需二次清洁。

- ◆Applicable product: Lipstick, lip balm, balm and other stick-shaped products;
- ◆Usage: Pearlescent spray on the surface of the paste.
- ◆Process: automatic cover supply, pre-spin, circumrotation, automatic defect removal.
- ◆Advantages: Uniform pearl finish on the surface; There are no scratches or pearl residue on the surface of the paste; The surface of the shell is free of contamination and does not require secondary cleaning.

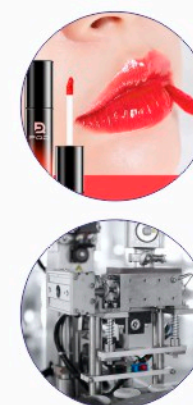
机械特点 Technical Features

- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 8-10pcs/min
- ◆电源Power supply: AC 220V/50-60Hz
- ◆功率Power: 1.5kW
- ◆气压Air Pressure: 0.6Mpa
- ◆尺寸Size: L1000 × W1000 × H1800mm
- ◆适用口红尺寸Applicable lipstick size: 长度Length: 20-50mm 直径Diameter: 常规 Standard

元器件信息 Key Components

- ◆调速电机Speed control motor: Jingyan
- ◆步进电机Stepper motor: Leisai
- ◆传感器Sensor: Keyence
- ◆电气元件 Electrical components: SMC/Schneider Electric/Airtac
- ◆控制元件PLC Control PLC: Inovance

双头转盘灌装机 DOUBLE HEAD ROTARY DISK FILLER



功能 Function

- ◆适用产品：粉底液、唇彩、唇釉、睫毛膏
- ◆用途：灌装&组装
- ◆工序：静电除尘、灌装、压内塞、旋盖、脱模
- ◆优势：配有可加压加热的外置料桶，伺服控制活塞阀精准灌装，可选配旋转灌装功能，设备小巧，灵活周转

- ◆Applicable products: liquid foundation, lip color, lip glaze, eye black
- ◆Purpose: Filling & Assembly
- ◆Process: electrostatic precipitator, filling, internal plug pressing, capping, demolding
- ◆Advantages: Equipped with an external material barrel that can be pressurized and heated, servo controlled piston valve for precise filling, optional rotary filling function, compact equipment, flexible turnover

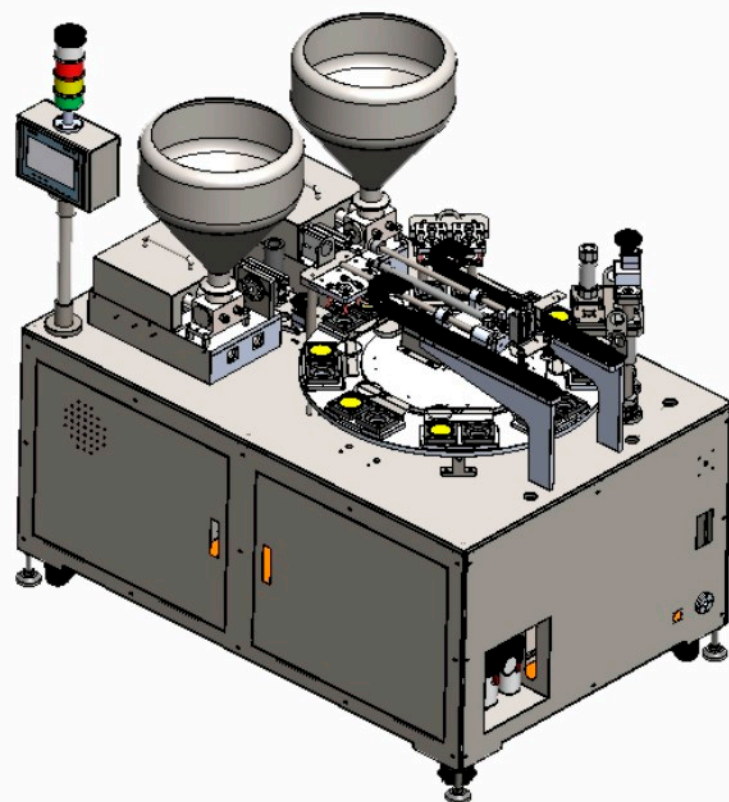
机械特点 Technical Features

- ◆双头灌装Dual-head filling
- ◆操作人员Number of operators: 2~3人 two~three people
- ◆节拍Production capacity: 32-40pcs/min
- ◆电源Power supply: AC 220V/50-60Hz
- ◆尺寸Size: L950 × W800 × H1950mm
- ◆灌装桶Filling barrel: 10L
- ◆功率Power: 5kW
- ◆气压Air pressure: 0.4-0.6Mpa

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆调速电机Speed control motor: Jingyan
- ◆传感器Sensor: Keyence/Omron
- ◆电气元件Electrical components: SMC/Schneider
- ◆控制元件PLC Control PLC: Inovance/Siemens

双头气垫转盘灌装机 DOUBLE-HEAD AIR CUSHION ROTARY FILLING MACHINE



功能 Function

- ◆适用产品：气垫类产品；
- ◆用途：灌装；
- ◆工序：自动灌装、自动拍打、压卡环、成品取出；
- ◆优势：灌装高密&NBR海绵，可灌装高粘度料体，可调节杯托，便于换产；灌装均匀，无溢出无白边；卡环平整，无鼓包；产能高。

机械特点 Technical Features

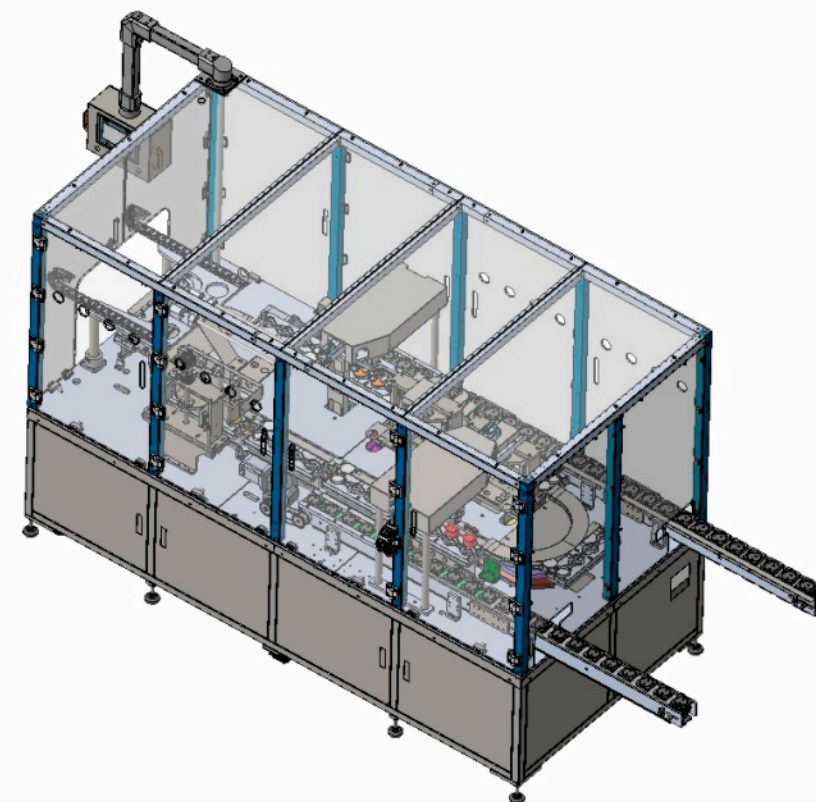
- ◆双头灌装Dual-head filling
- ◆操作人员Number of operators: 2人 Two people
- ◆节拍Production capacity: 16-20pcs/min
- ◆电源Power supply: AC 220V/50-60Hz
- ◆功率Power: 5kW
- ◆气压Air pressure: 0.6Mpa
- ◆尺寸Size: L2700 x W1240 x H1900mm
- ◆灌装精度Filling accuracy: $\pm 0.2g$

- ◆Applicable Product: air cushion products.
- ◆Purpose: Filling.
- ◆Process: Automatic filling, automatic tapping, clamping ring pressing, finished product extraction.
- ◆Advantages: Filling high-density&NBR sponge, can fill high viscosity materials, adjustable cup holder, easy to change production; Fill evenly, without overflow or white edges; The snap ring is flat and free of bulges; High production capacity.

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆传感器Sensor: Keyence
- ◆电气元件Electrical components: SMC/Schneider Electric/Airtac
- ◆控制元件PLC Control PLC: Inovance

四头气垫环形灌装机 FOUR-HEAD AIR CUSHION RING FILLING MACHINE



功能 Function

- ◆适用产品：气垫类产品；
- ◆用途：灌装；
- ◆工序：自动灌装、自动拍打、压卡环、成品取出；
- ◆优势：灌装高密&NBR海绵，可灌装高粘度料体，可调节杯托，便于换产；灌装均匀，无溢出无白边；卡环平整，无鼓包；产能高。

机械特点 Technical Features

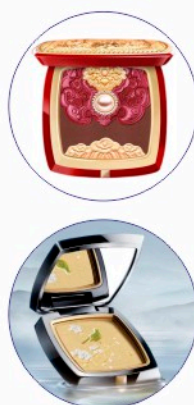
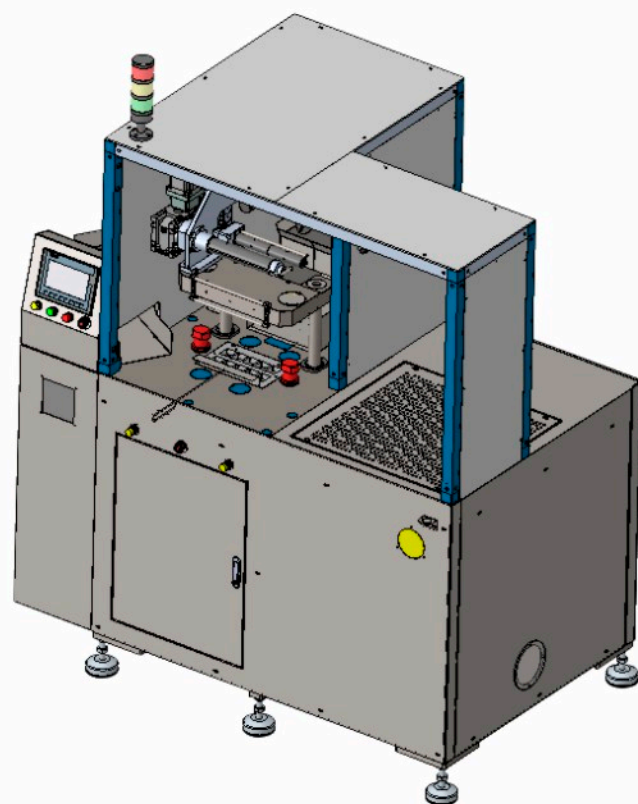
- ◆四头灌装Four-head filling
- ◆操作人员Number of operators: 2人 Two people
- ◆节拍Production capacity: 36-40pcs/min
- ◆电源Power supply: AC 380V/50-60Hz
- ◆功率Power: 6kW
- ◆气压Air pressure: 0.6Mpa
- ◆尺寸Size: L2700 x W1240 x H1900mm
- ◆灌装量Filling volume: 5-20g
- ◆灌装精度Filling accuracy: $\pm 0.2g$

- ◆Applicable Product: air cushion products.
- ◆Purpose: Filling.
- ◆Process: automatic filling, automatic tapping, clamping ring pressing, finished product extraction.
- ◆Advantage: Filling high-density&NBR sponge, can fill high viscosity materials, adjustable cup holder, easy to change production; Fill evenly, without overflow or white edges; The snap ring is flat and free of bulges; High production capacity.

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆调速电机Speed control motor: Jingyan
- ◆传感器Sensor: Keyence
- ◆电气元件 Electrical components: SMC/Schneider Electric/Airtac
- ◆控制元件PLC Control PLC: Inovance

多模式压粉机 MULTI-MODE POWDER PRESS MACHINE



功能 Function

- ◆适用产品：干粉、高珠光粉、眼影、腮红、等多种粉质产品；
- ◆用途：粉饼成型压制；
- ◆工序：上粉、卷布、压制、脱模；
- ◆优势：配有大缸径油缸，能够满足不同粉质的工艺要求；除了生产单色粉产品外，还能实现拼色式多色粉压制；利用模腔控制粉量，克重更精准；可实现多段式压制，保证粉质稳定。

- ◆Applicable Product: Dry powder, high pearlescent powder, eye shadow, blush, and other powder products.
- ◆Use: Powder molding and pressing.
- ◆Production Processes: Powder, roll cloth, press, mold release.
- ◆Advantage: Equipped with a large bore oil cylinder, it can meet the process requirements of different powders; In addition to producing monochrome powder products, it can also achieve color matching multi-color powder pressing; By using the mold cavity to control the amount of powder, the weight can be more accurately measured; Can achieve multi-stage pressing to ensure stable powder quality.

机械特点 Technical Features

- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 1~2模/min
- ◆电源Power supply: AC 380V/50~60Hz
- ◆尺寸Size: L1826 × W1046 × H1908mm
- ◆压强Pressure intensity: 200KG/cm²
- ◆功率Power: 5.5kW

元器件信息 Key Components

- ◆步进电机Stepper motor: Leisai
- ◆液压系统Hydraulic system:
- ◆传感器Sensor: Keyence/Omron
- ◆电气元件Electrical components: SMC/Schneider
- ◆控制元件PLC Control PLC: Inovance/Siemens

粉饼色彩打印机 POWDER COLOR PRINTER



功能 Function

- ◆适用产品：各种粉饼类产品；
- ◆用途：粉饼图案的二次开发；
- ◆优势：高精度度，双向打印，可满足各种定制需求。

- ◆Applicable products: various powder products .
- ◆Use: secondary development of powder patterns.
- ◆Advantages: High precision, bidirectional printing, can meet various customization needs.

机械特点 Technical Features

- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 8~10pcs/min
- ◆电源Power supply: AC 220V/50~60Hz
- ◆功率Power: 1kW
- ◆打印精度Print precision: ±0.3mm
- ◆尺寸Size: L900 × W700 × H1000mm

元器件信息 Key Components

- ◆步进电机Stepper motor: Leisai
- ◆传感器Sensor: Omron
- ◆电气元件Electrical components: SMC/Schneider

笔芯灌装机 PEN CORE FILLING MACHINE



功能 Function

- ◆适用产品：眉笔、眼线笔、口红笔等笔类产品；
- ◆用途：灌装；
- ◆工序：料体预融、灌装；
- ◆优势：使用活塞泵精准定量，配合模具闷灌方式，排气通畅，减少气孔，提高断力强度，触摸屏与PLC操作系统各种参数均在人机界面，操作便捷。

- ◆Product Application: eyebrow pencil, eyeliner, lipstick pen and other pen products .
- ◆Purpose: Filling.
- ◆Process: Material pre-fusion, filling.
- ◆Advantages: Use piston pump to accurately control the amount, cooperate with the mold to fill, exhaust smoothly, reduce air holes, and improve the strength of the break, Touch and PLC operating system, various parameters are on the man-machine interface, convenient to operate.

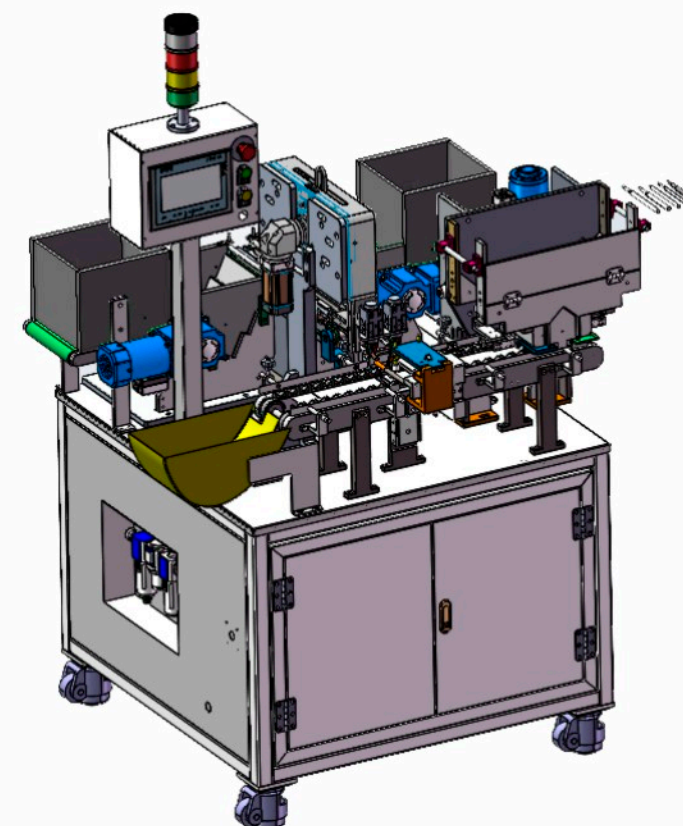
机械特点 Technical Features

- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 40pcs/min
- ◆电源Power supply: AC 220V/50-60Hz
- ◆功率Power: 2kW
- ◆气压Air pressure: 0.6Mpa
- ◆尺寸Size: L1000 × W1000 × H1800mm

元器件信息 Key Components

- ◆电气元件Electrical components: SMC/Schneider
- ◆控制元件PLC Control PLC: Inovance

套笔帽机 PEN CAP MACHINE



功能 Function

- ◆适用产品：眉笔、口红笔等笔类产品；
- ◆用途：笔帽组装；
- ◆工序：自动供料、自动取料、自动套盖、成品取出；
- ◆优势：V型输送带定位槽兼容性更强，定位更精准；效率高，可联机使用。

- ◆Applicable products: Eyebrow pencils, lipstick pencils, and other pen-type products.
- ◆Use: Pen cap assembly.
- ◆Process: Automatic feeding, automatic material removal, automatic cover setting, finished product removal.
- ◆Advantages: V-belt positioning groove has stronger compatibility and more accurate positioning; high efficiency, can be used online.

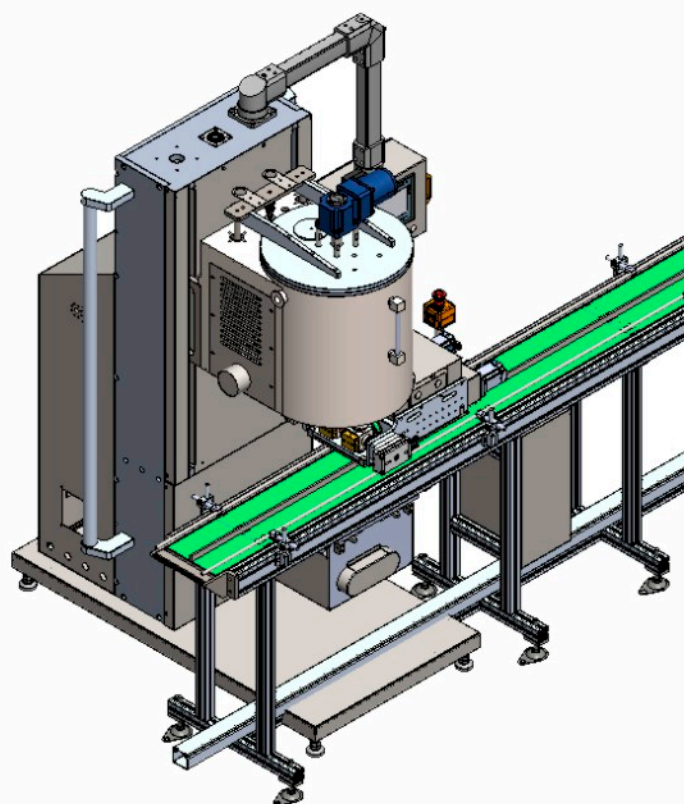
机械特点 Technical Features

- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 40-46pcs/min
- ◆电源Power supply: AC 220V
- ◆功率Power: 3kW
- ◆气压air pressure: 0.6Mpa
- ◆尺寸Size: L1300 × W920 × H1720mm
- ◆兼容笔杆尺寸Compatible pen shaft size: 直径Diameter 6.5-11, 长度Length 90-170mm

元器件信息 Key Components

- ◆伺服电机 Servo motor: Inovance
- ◆调速电机Speed control motor: Jingyan
- ◆传感器Sensor: Keyence
- ◆电气元件Electrical components: SMC/Schneider Electric/Airtac
- ◆控制元件PLC Control PLC: Inovance

在线热灌装机 ONLINE HOT FILLING MACHINE



功能 Function

- ◆适用产品：各种需要加热灌装产品
- ◆用途：灌装
- ◆工序：料体加热、搅拌、自动灌装
- ◆优势：双头双伺服独立控制，灌装精度高，料桶可自动升降，触摸屏和PLC操作系统控制桶盖自动升降；配合双轨道单独控制输送线，保证生产节拍

- ◆Applicable products: various products that need to be heated and filled;
- ◆Purpose: filling;
- ◆Process: material heating, stirring, automatic filling;
- ◆Advantages: double-head double servo independent control, high filling accuracy, the material barrel can be automatically lifted, touch screen and PLC operating system control the automatic lifting of the barrel cover, Cooperate with the double-track separate control conveyor line to ensure the production rhythm.

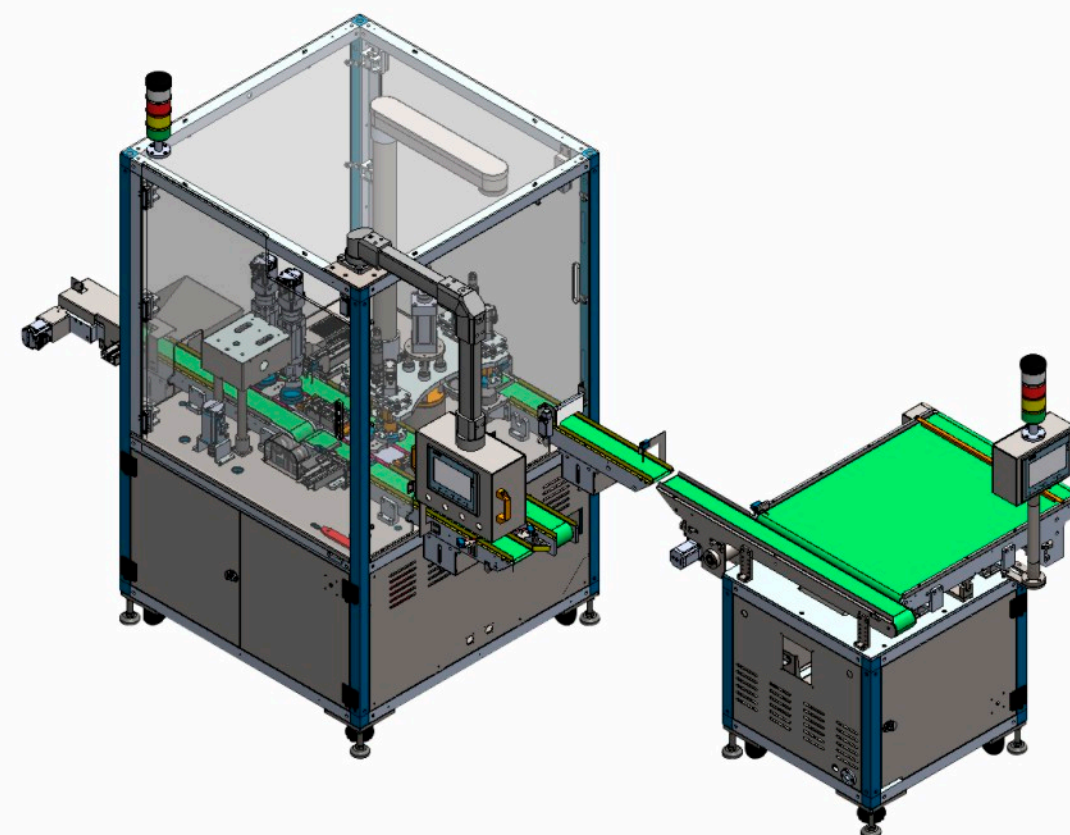
机械特点 Technical Features

- ◆双头灌装Double head filling
- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 35-40pcs/min
- ◆电源Power supply: 380V50Hz
- ◆尺寸Size: L1050 × W680 × H1350mm
- ◆功率Power: 5.4kW
- ◆灌装精度Filling accuracy: $\pm 0.2\text{g}/100\text{g}$
- ◆灌装桶容量Filling bucket capacity: 25L
- ◆气压: 0.6Mpa

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆调速电机Speed control Motor: Jingyan
- ◆光纤传感器Fiber optical sensor: Omron
- ◆电气元件Electrical components: SMC/Schneider Electric/Airtac
- ◆控制元件PLC Control PLC: Inovance

自动旋盖机 AUTOMATIC CAPPING MACHINE



功能 Function

- ◆适用产品：各类广口瓶
- ◆用途：广口瓶旋盖
- ◆工序：自动供盖、预旋、终旋、自动不良剔除
- ◆优势：解决了广口瓶旋口、螺牙划伤、扭力不均匀的核心痛点

- ◆Product Application: Various wide-mouth bottles
- ◆Use: Screwing the caps of wide-mouth bottles
- ◆Process: automatic cover supply, pre-spin, circumrotation, automatic defect removal
- ◆Advantages: Solves the core pain points of wide-mouth bottle screwing, thread scratches, and uneven torque

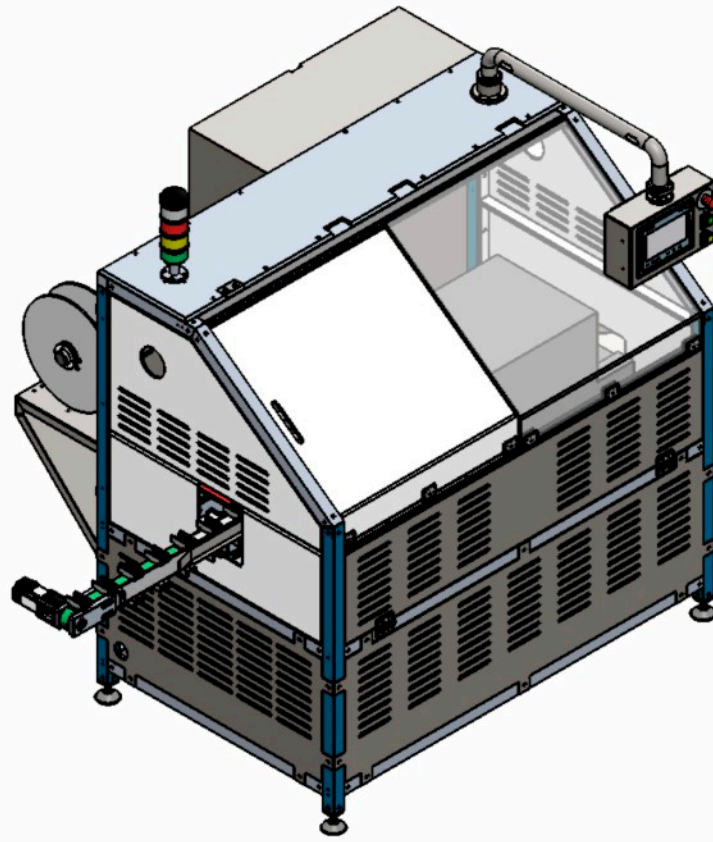
机械特点 Technical Features

- ◆双头旋盖 Double-headed screw cap
- ◆操作人员Machine operator: 1人 one people
- ◆节拍Production capacity: 40-42pcs/min
- ◆电源Power supply: 220V50Hz
- ◆尺寸Size: L4000 × W1650 × H1650mm, 台面高度750mm
- ◆功率Power: 3kW
- ◆气压Air pressure: 0.6Mpa

元器件信息 Key Components

- ◆步进电机Stepper motor: Leisai
- ◆传感器Sensor: Keenzee
- ◆电气原件Electrical originals: SMC, Schneider, Yadke
- ◆控制元件PLC Control PLC: Inovance
- ◆伺服电机Servo motor: Inovance

自动套膜机 AUTOMATIC SLEEVING MACHINE



功能 Function

- ◆适用产品: 各种圆形/方形口红/眉笔类产品
- ◆用途: 产品套膜
- ◆工序: 人工放管, 自动套膜, 自动切膜, 自动热收缩
- ◆优势: 可任意调整切膜尺寸; 成品外观平整, 无褶皱

- ◆Applicable products: Various round/square lipstick/eyebrow pencil products
- ◆Purpose: Product mold set
- ◆Process: manual tube placement, automatic film covering, automatic mold cutting, automatic thermal shrinkage
- ◆Advantages: The cutting film size can be adjusted arbitrarily; The finished product has a smooth appearance without wrinkles.

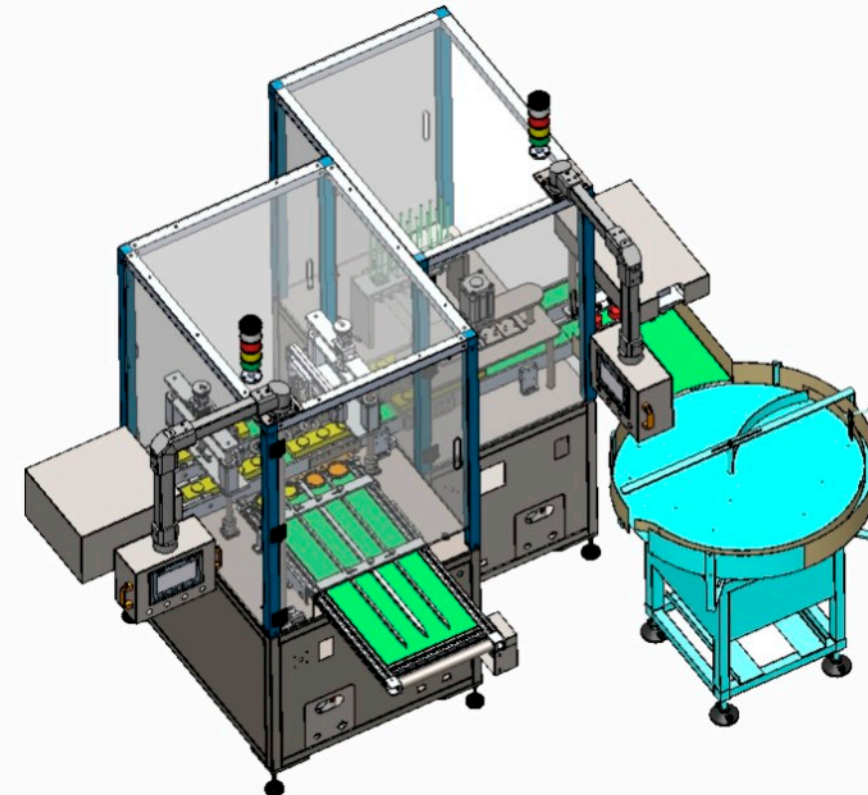
机械特点 Technical Features

- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 40-45pcs/min
- ◆电源Power supply: 220V50Hz
- ◆尺寸Size: L2000 × W1400 × H1600mm
- ◆功率Power: 4.5kW
- ◆气压Air pressure: 0.6Mpa

元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆调速电机Speed control motor: Jingyan
- ◆双向喷气式收缩机Bidirectional jet shrinker: Domestic satsuki
- ◆光纤传感器Fiber optical sensor: Omron
- ◆电气元件Electrical components: SMC/Schneider Electric/Airtac
- ◆控制元件PLC Control PLC: Inovance

铝箔封口机 ALUMINUM FOIL SEALING MACHINE



功能 Function

- ◆适用产品: 各类铝箔片封口产品
- ◆用途: 铝箔封口
- ◆工序: 自动供料, 自动取铝箔, 自动烫压, 成品取出
- ◆优势: 柔性高, 适用性广, CNC高精度加工, 可调节烫头温度及烫压时间, 保证密封性的同时避免铝箔表面烫伤, 溢胶。

- ◆Applicable products: Various types of aluminum foil sealing products
- ◆Purpose: Aluminum foil sealing
- ◆Process: Automatic feeding, automatic aluminum foil retrieval, automatic hot pressing, finished product retrieval
- ◆Advantages: High flexibility, wide applicability, CNC high-precision machining, adjustable hot head temperature and hot pressing time, ensuring sealing while avoiding aluminum foil surface burns and glue overflow

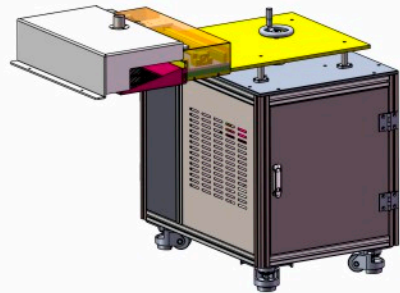
机械特点 Technical Features

- ◆四头封口 Four head sealing
- ◆操作人员Number of operators: 1人 one people
- ◆节拍Production capacity: 26-30pcs/min
- ◆电源Power supply: 220V/50Hz
- ◆功率Power: 3kW
- ◆气压Air pressure: 0.6Mpa
- ◆尺寸Size: L1000 × W900 × H1700mm

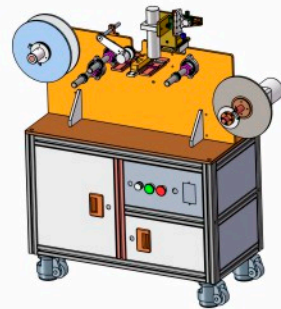
元器件信息 Key Components

- ◆伺服电机Servo motor: Inovance
- ◆人机交互触摸屏HMI touchscreen: 10-inch Inovance
- ◆调速器Speed control motor: Taibang
- ◆传感器Sensor: Omron
- ◆电气元件Electrical components: Schneider
- ◆控制元件PLC Control PLC: Inovance

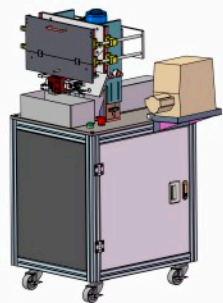
小单机设备系列 SMALL STAND-ALONE EQUIPMENT SERIES



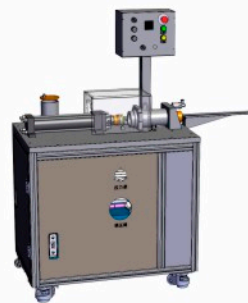
在线静电除尘设备
Online electrostatic precipitator



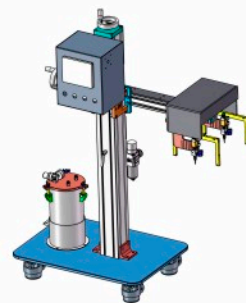
标签回卷机
Label rewinder



卷包芯墨水灌装机
Roll core ink filling machine

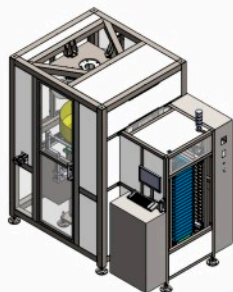


笔芯挤出机
Refill extruder

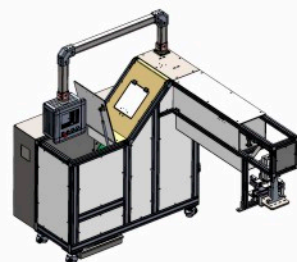


在线镜盒点胶机
Online mirror box dispensing machine

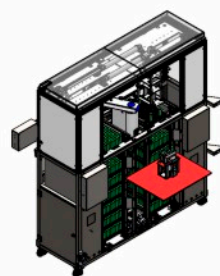
自动化供料岛系列 AUTOMATED FEEDING ISLAND SERIES



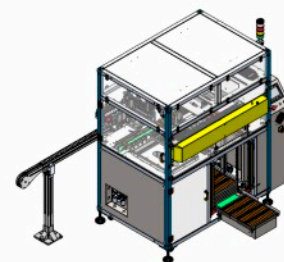
自动化供料设备系列
Automatic feeding equipment series



自动化供料设备系列
Automatic feeding equipment series

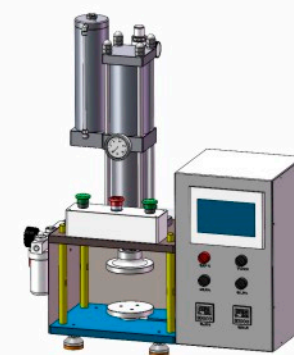


自动化供料设备系列
Automatic feeding equipment series

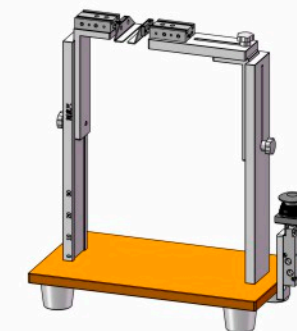


自动化供料设备系列
Automatic feeding equipment series

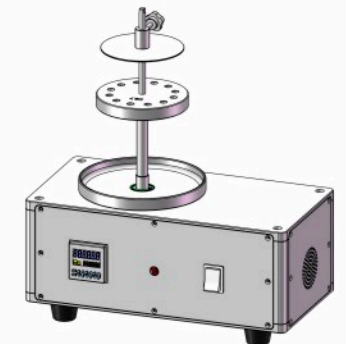
实验室设备 LABORATORY EQUIPMENT



压粉打样机
Pressed powder proofing machine



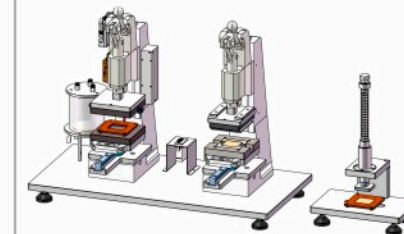
粉饼跌落测试台
Powder drop test bench



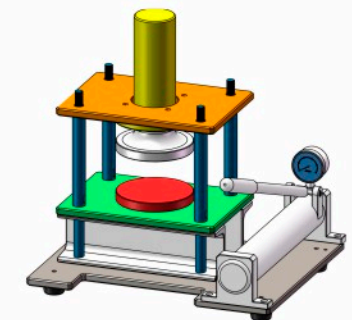
口红跌落测试机
Lipstick drop testing machine



镜盒跌落测试机
Mirror box drop test machine



湿粉压粉机
Wet powder pressing machine



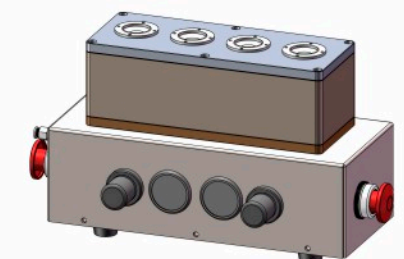
半自动干粉打样机
Semi-automatic dry powder proofing machine



软管压爆测试机
Hose pressure explosion testing machine



高速粉碎机
High speed grinder



口红软模脱模机
Lipstick soft mold stripping machine

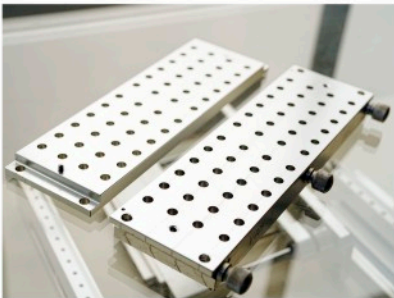
口红模具
LIPSTICK MOLD



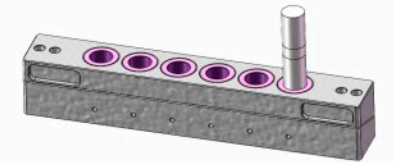
口红正灌模具
Lipstick filling mold



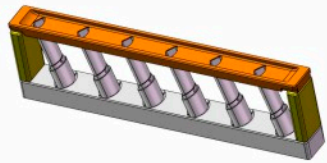
48穴口红模具
48-Hole lipstick mold



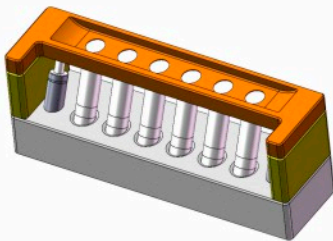
48穴口红模具
48-Hole lipstick mold



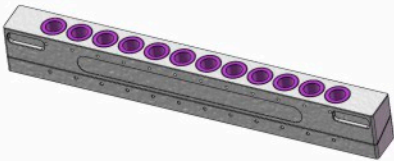
6孔倒灌口红模具
6-hole pour-over lipstick mold



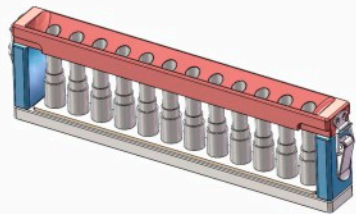
6孔正灌口红模具
6 hole filling lipstick mold



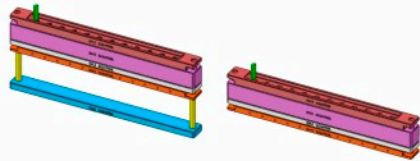
6孔正灌口红模具
6 hole filling lipstick mold



12孔倒灌口红模具
12-hole pour-over lipstick mold



12孔正灌口红模具
12 holes positive filling lipstick mold



12孔双色口红模具
12 hole two-color lipstick mold

硅胶模具
SILICONE MOLD



粉类硅胶模具
Powder silicone mold

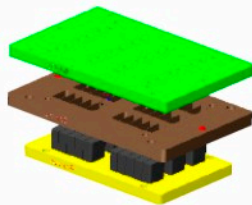


全硅胶口红模具
Full silicone lipstick mold

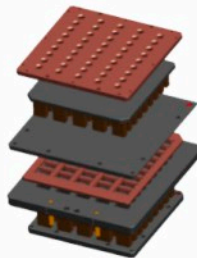


半硅胶口红模具
Semi silicone lipstick mold

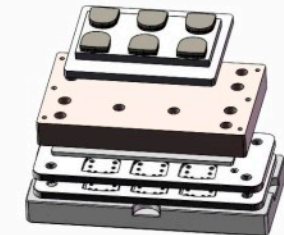
压粉模具
POWDER PRESSING MOLD



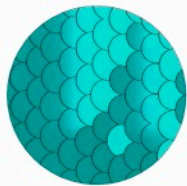
压粉模具
Pressed powder mold



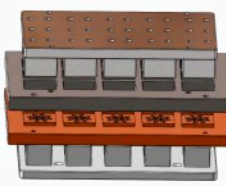
压粉模具
Pressed powder mold



湿粉模具(完美日记)
Wet Powder Mold (Perfect Diary)

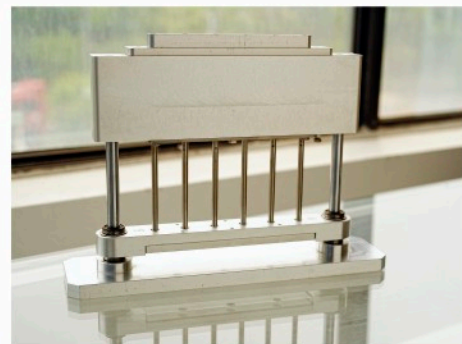


压粉模具(鱼鳞)
Pressed powder mold (fish scales)

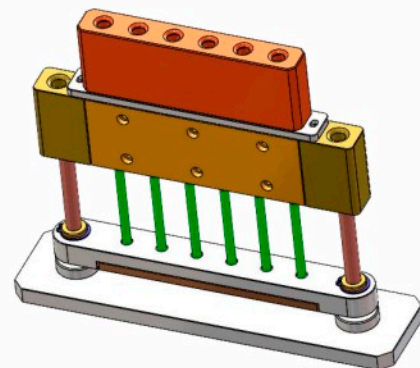


压粉模具(雪花)
Pressed powder mold (snowflake)

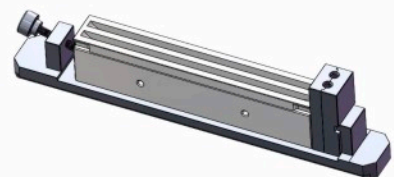
笔类模具 PENCIL MOLD



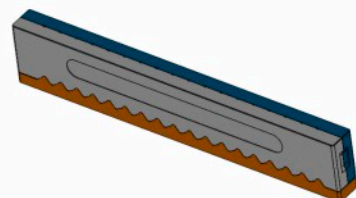
成型入芯一体模具
Forming core integrated mold



成型入芯一体模具
Forming core integrated mold



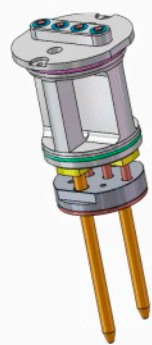
侧灌眉笔模具
Side filling eyebrow pencil mold



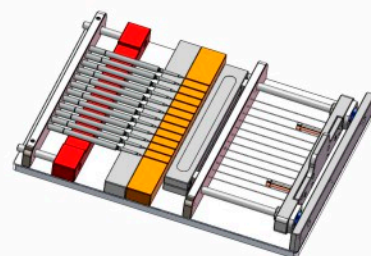
眉笔模具
Eyebrow pencil mold



眉笔灌装模具
Eyebrow pencil filling mold



自动机模具
Automatic machine mold



入芯模具
Core mold



入芯模具
Core mold

合作客户 OUR CUSTOMERS



用科技妆点美 (When technology meets beauty)这一Slogan体现了乐虹科技的经营理念：以人为本，创新驱动，快速响应。我们以此三大要素为行动指南，持续推动美妆行业的智能化发展，致力于成为全球美妆智造领域的领航者。

The slogan "When technology meets beauty" embodies the core philosophy of Lehong Technology: people-oriented, innovation-driven, and quick response. We use these three elements as a guide to action, continue to promote the intelligent development of the beauty industry, and are committed to becoming a leader in the global intelligent manufacturing field of beauty.