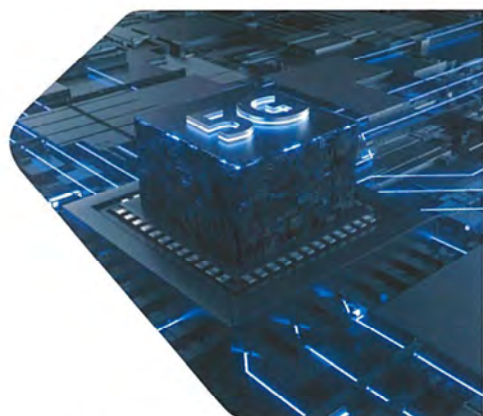




成都宝利根自动化技术有限公司

POLYGON AUTOMATION TECHNOLOGY CO.,LTD.



BRIEF INTRODUCTION

公司简介

宝利根是1987年成立于新加坡的专业从事高精度模具零件制造、高精度注塑模具开发以及注塑产品生产的集团公司,在精密工业制造领域有超过30年的行业经验。客户遍及欧洲、美国、日本、东南亚和中国。目前,宝利根已在成都、东莞、遂宁、南通等地建立生产基地。

成都宝利根自动化技术有限公司于2007年5月正式成立,是一家专注于精密自动化设备研发、制造、销售的高新技术型企业。通过十多年的技术积累,公司可以为汽车电子与轨道交通行业的汽车电子连接器的制造、数据传输与存储及商用电子连接器行业的高速通讯连接器制造、智能产品行业的个人消费电子产品的全自动包装三大行业提供自动化的解决方案,并可为行业巨头全球各分工厂提供自动化服务。

科技创新是企业前进的动力。公司一直致力于产品与服务的创新和研发,共获得国家发明专利和实用新型专利证书超过20项。展望未来,公司还将继续坚持以市场为导向、以创新为动力,为客户提供更加专业化、多元化的解决方案和一站式服务。

Established in 1987, Singapore, Polygon is an international Group specified in the field of precision tool & die, injection molding & stamping, precision mechanical products with more than 30 years' experience. Most of Polygon's customers are leading international companies of their fields all over America, Europe, Southeastern Asia and China. Till now, Polygon has established R&D and manufacturing bases in Chengdu, Nantong, Suining and Dongguan, China.

Polygon Automation Technology Co., Ltd., founded in 2007, is a high-tech enterprise mainly engaged in R&D, manufacturing and marketing of precision automation machines and services. After over ten years of development, Polygon Automation can provide the R&D, manufacturing and assembling automation solutions for automotive electronic connectors, communication connectors, the automatic packaging of personal consumer electronics and other customized solutions to the customers' plants all over the world.

Innovation is the major engine of a company's development. Polygon Automation has received over 20 innovation patents and utility model patents during the past ten years. In future, Polygon Automation will hold on to providing the customers with high-quality automation solutions.

成都宝利根自动化技术有限公司
POLYGON AUTOMATION TECHNOLOGY CO.,LTD

MAJOR SERVICES

公司主营业务

汽车连接器制造自动化解决方案

Automation Solution for Auto Connectors

- 板端连接器PCB Side Connectors
- 线端连接器Cable Side Connectors
- 嵌入式注塑连接器Insert Molding Connectors

通讯连接器制造自动化解决方案

Automation Solution for Communication Connectors

个人消费电子产品自动化包装解决方案

Automation Solution for Consumer Electronics Packaging

注塑与自动化集成解决方案

Integration Solution for Molding and Automation



MILESTONE

发展历程



线端连接器设备出口
Cable Side Connectors
Rotating Machine Exported

2008



高精度检测设备
High-Precision Inspection Machine
for PCB Side Connectors

2012



2007

公司成立
Foundation

2011

嵌入式注塑连接器自动化设备
Machine for Insert
Molding Connectors

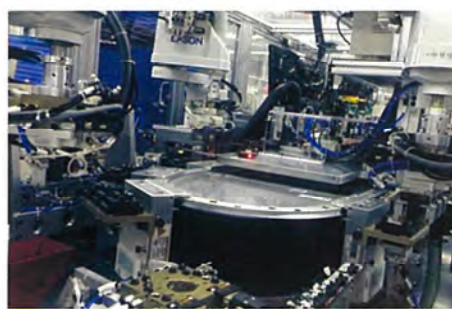


2013

国家高新技术企业
National High-tech Enterprise



个人消费电子产品全自动包装线



基于Super Trak的柔性装配检测线

Flexible Assembly and
Inspection Line based on Super Trak

2016

2018

2019

注塑自动化线集成类项目
Integration Projects of
Automation and Molding

2017

迁至新厂房, 面积超3000平米

New plant, more than
3000 square meters





汽车连接器制造自动化解决方案 AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC INSPECTION AND PACKING LINE FOR PCB SIDE CONNECTORS

板端连接器自动上料、检测、包装线

主要功能 Main Functions

Tray盘自动上料

Tray Loading

干燥剂装入

Drying Agent Loading

Tray盘自动包装

Tray Packaging

Tray盘自动上盖

Tray Cover Loading and Assembly

Housing极性检测、干燥剂有无检测

Housing Key Check, Drying Agent Presence Check



主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.6~0.8 MPa
速度/Cycle Time	<3.5 S/PCS
定制/Customization	Yes



汽车连接器制造自动化解决方案 AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC INSPECTION AND PACKING MACHINE FOR PCB SIDE CONNECTORS

板端连接器自动检测、包装设备

主要功能 Main Functions

塑胶件自动上料 (对接注塑机)

Automatic Loading of the Parts from Molding Machine

塑胶件的外观缺陷&尺寸检测

Appearance Check & Dimensional Measurement for Parts

塑胶件清洁

Part Cleaning

托盘包装

Tray Packaging

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.5~0.8 MPa
速度/Cycle Time	≤3.5 S/PCS
定制/Customization	Yes





汽车连接器制造自动化解决方案 AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC INSERTION AND BENDING MACHINE FOR PCB SIDE CONNECTORS

板端连接器自动插针折弯设备

主要功能 Main Functions

端子料带裁切

Automatic Terminal Cutting

自动插针

Automatic Insertion

自动折弯

Automatic Bending

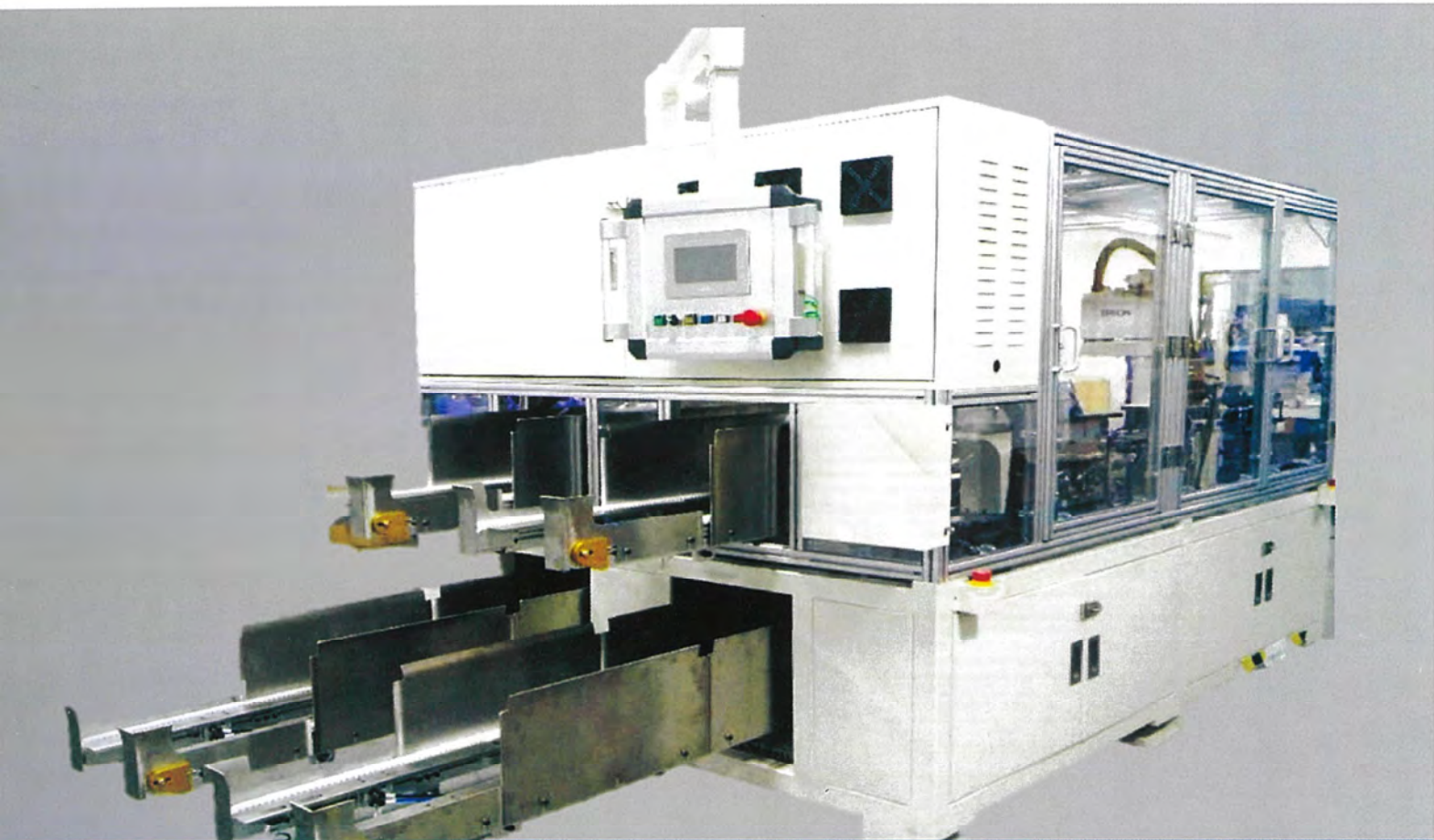
端子毛刷清洁

Terminal Cleaning

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.6~0.8 MPa
速度/Cycle Time	200 R/M
定制/Customization	Yes





汽车连接器制造自动化解决方案 AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC PACKAGING MACHINE 全自动包装设备

主要功能 Main Functions

托盘到位检测与到位固定

Tray Position Check and Fixing

托盘自动分离与堆叠

Tray Separation and Stacking

机器人取放、搬运

Robot Pick-and-Place

一件变距切换

One-Button Pitch Changeover

链板式传送线

Chain Type Conveyor

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.6~0.8 MPa
速度/Cycle Time	≤3 S/PCS
定制/Customization	Yes





汽车连接器制造自动化解决方案
AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC ASSEMBLY MACHINE FOR
CABLE SIDE CONNECTORS

线端连接器自动装配设备

主要功能 Main Functions

8种不同极性的壳体上料
Automatic Loading for 8 Types of Housing with Different Keys

CPA、TPA、密封圈装配
Automatic Loading and Assembly of CPA, TPA and Ring Seal

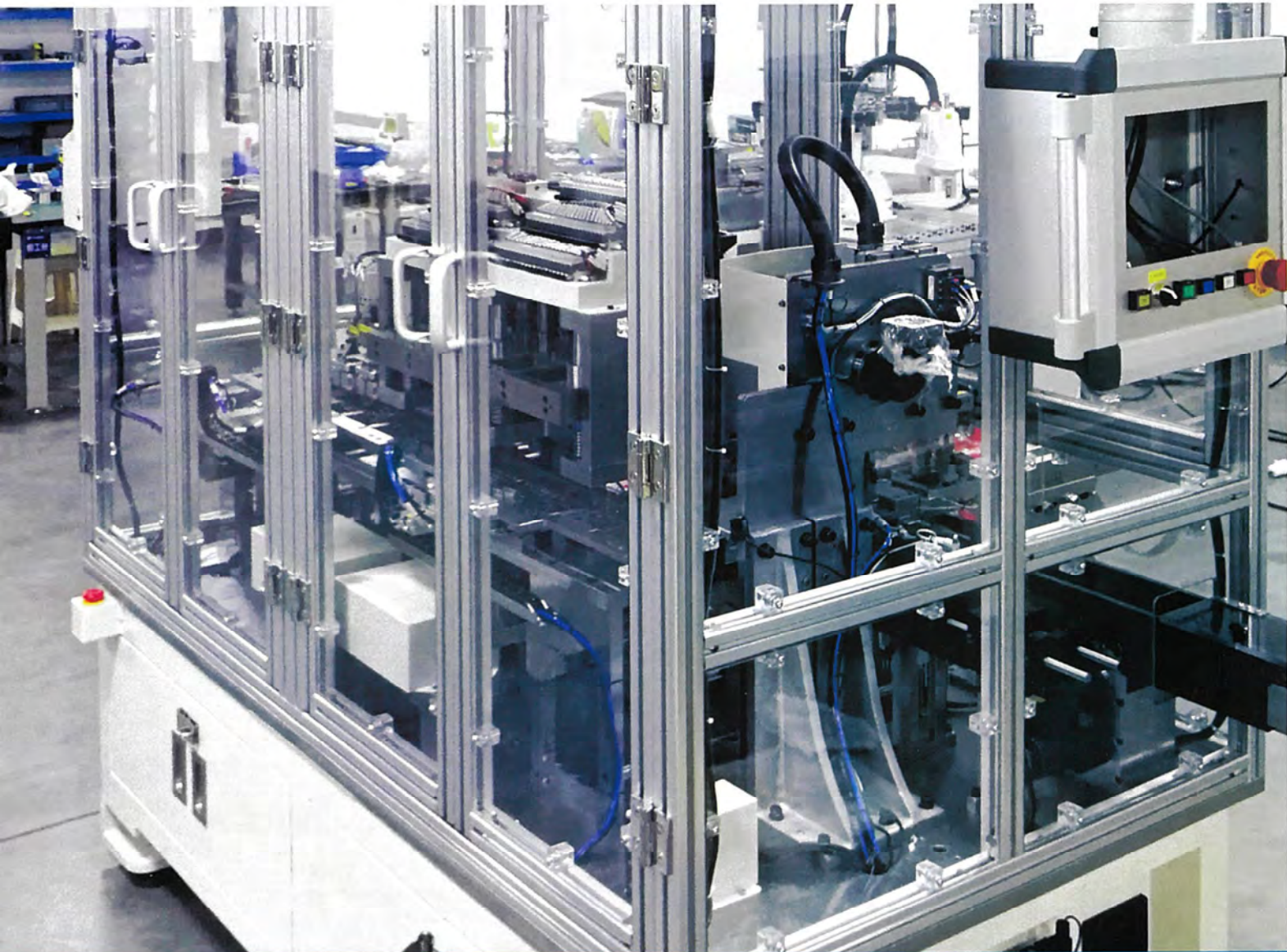
机构检测和CCD检测
Mechanism Check and CCD Inspection

激光打标
Laser Marking

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.6~0.8 MPa
速度/Cycle Time	50 PCS/M
定制/Customization	Yes





汽车连接器制造自动化解决方案 AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC CUTTING & CLEANING AND INSPECTION MACHINE FOR CABLE SIDE CONNECTORS

线端连接器自动裁切、清洁、检测设备

主要功能 Main Functions

壳体极性检测
Housing Key Check

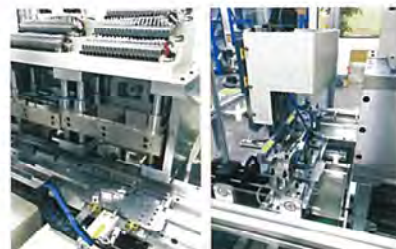
Peg 裁切
Peg Cutting

检测
Inspection for the Peg

清洁
Cleaning

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.6~0.8 MPa
速度/Cycle Time	1.4 PCS/SEC
定制/Customization	Yes





汽车连接器制造自动化解方案 AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC LINE OF TERMINAL CUTTING AND BENDING, MOLDING AND ASSEMBLY FOR INSERT MOLDING CONNECTORS

嵌入式注塑连接器裁切、折弯、注塑、装配自动化线

主要功能 Main Functions

端子裁切、折弯

Terminal Bending and Cutting

铜套上料

Bushing Loading

注塑

Molding

密封圈上料、组装

Ring Seal Loading and Assembly

检测

Inspection for Hi-pot, O/S, True Position, Leak Test

主要参数 Main Parameters

电源/Power	220V/380V 50HZ
气源/Air Pressure	0.55~0.6 MPa
Molding C/T	25S/4PCS
Ass. and Test C/T	5~8S/PCS
定制/Customization	Yes





汽车连接器制造自动化解决方案 AUTOMATION SOLUTION FOR AUTO CONNECTORS

AUTOMATIC ASSEMBLY, INSPECTION AND PACKING LINE FOR INSERT MOLDING CONNECTORS

嵌入式注塑连接器自动装配、检测、包装线

主要功能 Main Functions

2种不同极性的壳体上料及包装

Automatic Loading & Packaging for 2 Types of Housing with Different Keys

Hi-Pot & O/S, Pin针高度、Pin位置度、毛刷清洁、激光打码、二维码等级检测

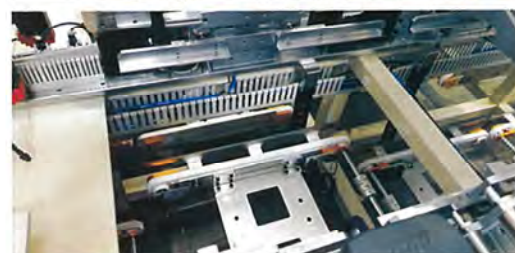
Inspection for Hi-Pot & O/S, Pin Height, Pin True Position, Cleaning, Laser Marking and QR Check.

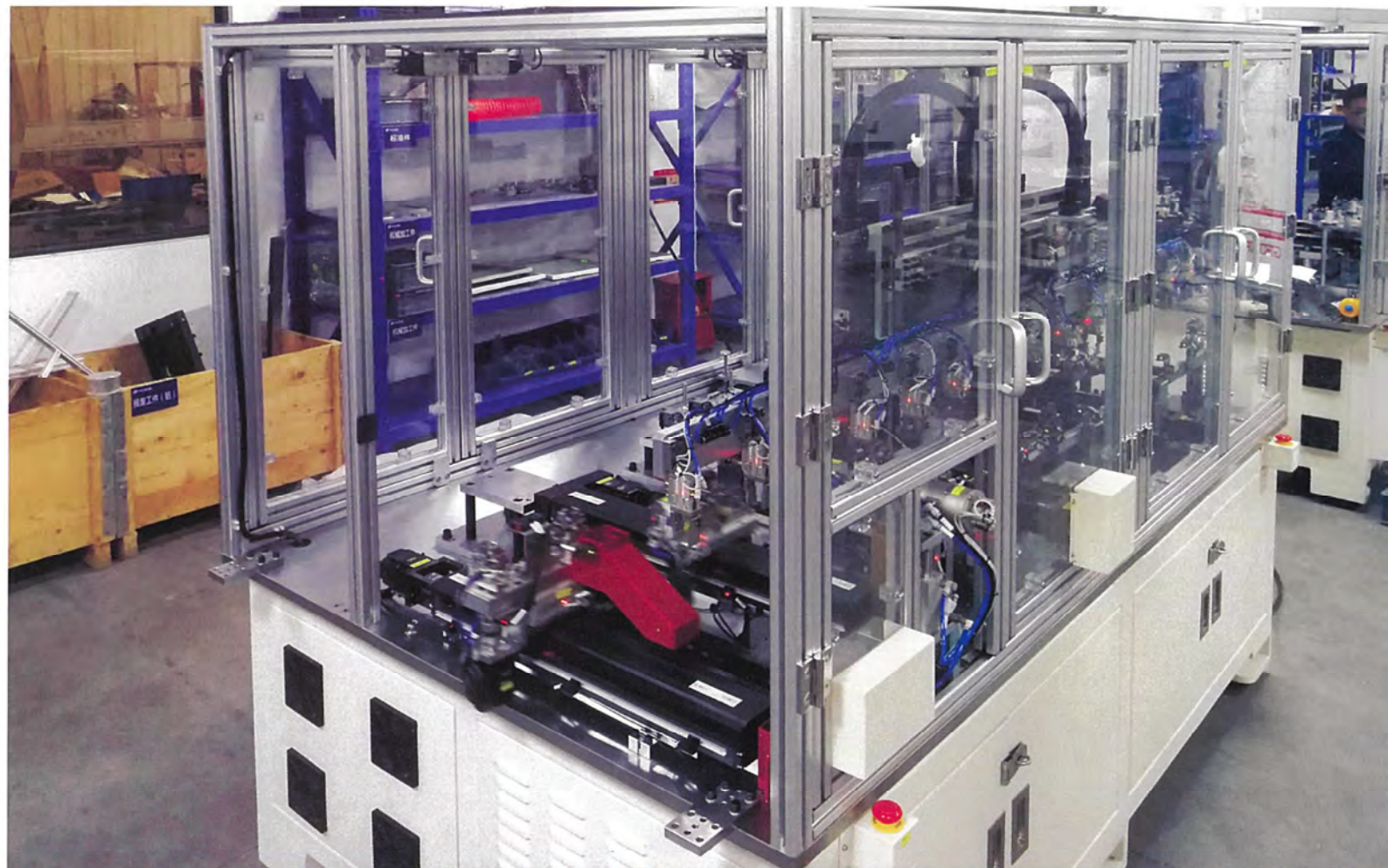
Housing清洁、Membrane装配、Membrane超声波焊接、Membrane CCD检测、Membrane泄露测试、Sheet Metal清洁、产品热铆、热铆高度检测

Housing Cleaning, Membrane Assembly, Membrane Ultrasonic Welding, Membrane CCD Inspection, Membrane Leakage Test, Sheet Metal Cleaning, Hot Riveting, Riveting Height Check

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.6~0.8 MPa
速度/Cycle Time	2.5 S/PCS
定制/Customization	Yes





通讯连接器自动解决方案

AUTOMATION SOLUTION FOR HIGH SPEED CONNECTORS

AUTOMATIC ASSEMBLY MACHINE FOR HIGH SPEED CONNECTORS

通讯连接器自动装配设备

主要功能 Main Functions

在产品的四个位置组装两种Stiffener

Two Types of Stiffener Assembly on the Four Positions of the Part

热熔与检测

Hot Melting and Inspection

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.5~0.7 MPa
速度/Cycle Time	12 S/PCS
定制/Customization	Yes





通讯连接器自动化解决方案

AUTOMATION SOLUTION FOR HIGH SPEED CONNECTORS

AUTOMATIC FOIL-STICKING MACHINE FOR HIGH SPEED CONNECTORS

通讯连接器自动装贴锡箔纸设备

主要功能 Main Functions

壳体自动抓取

Automatic Loading of Parts

锡箔纸自动拨料

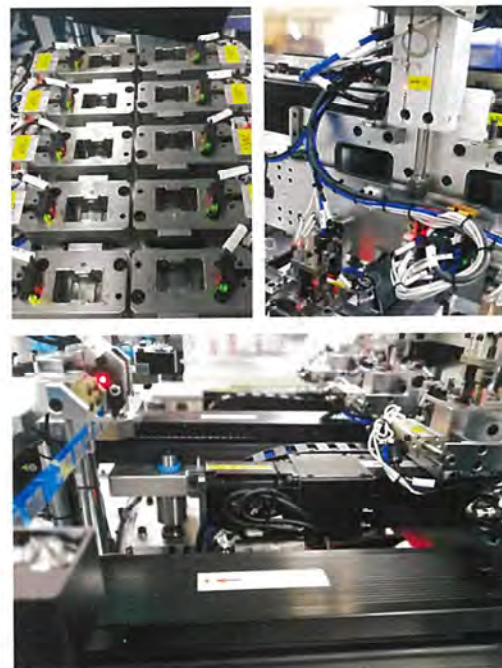
Automatic Peeling of the Foil

锡箔纸装贴

Automatic Sticking of the Foil

主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.5~0.7 MPa
速度/Cycle Time	10 S/PCS
定制/Customization	Yes





个人消费电子产品包装全自动解决方案
AUTOMATION SOLUTION FOR CONSUMER ELECTRONICS PACKAGING

AUTOMATION SOLUTION FOR
CONSUMER ELECTRONICS PACKAGING

个人消费电子产品包装全自动解决方案

主要功能 Main Functions

包装盒、附件的上料、装入

Loading of Boxes and Accessories,
and Placing Accessories into the Boxes

塑料袋分离、套袋

Separating Polybags and Packing
Boxes into Polybags

尺码标签的剥离、粘贴

Peeling and Sticking of Size Label

UPC标签打印、剥离、粘贴

Printing, Peeling and Sticking of
UPC Label

纸箱封箱、码垛

Sealing and Stacking of Boxes

环表上料、RFID读码、装入

Loading of Watches, RFID Reading
and Placing Good Watches into the Boxes

盒套的成型、套盒

Sleeve Folding and Embedding
Boxes into the Sleeves

安全标签的剥离、粘贴

Peeling and Sticking of Security Label

纸箱装入、贴标

Packing Boxes into Cartons and Labeling



主要参数 Main Parameters

电源/Power	AC220V 50HZ
气源/Air Pressure	0.6~0.8 MPa
速度/Cycle Time	1600 PCS/H (Two Lines)
定制/Customization	Yes

CONTACT US

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INNOVATION WITH PRECISION



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