

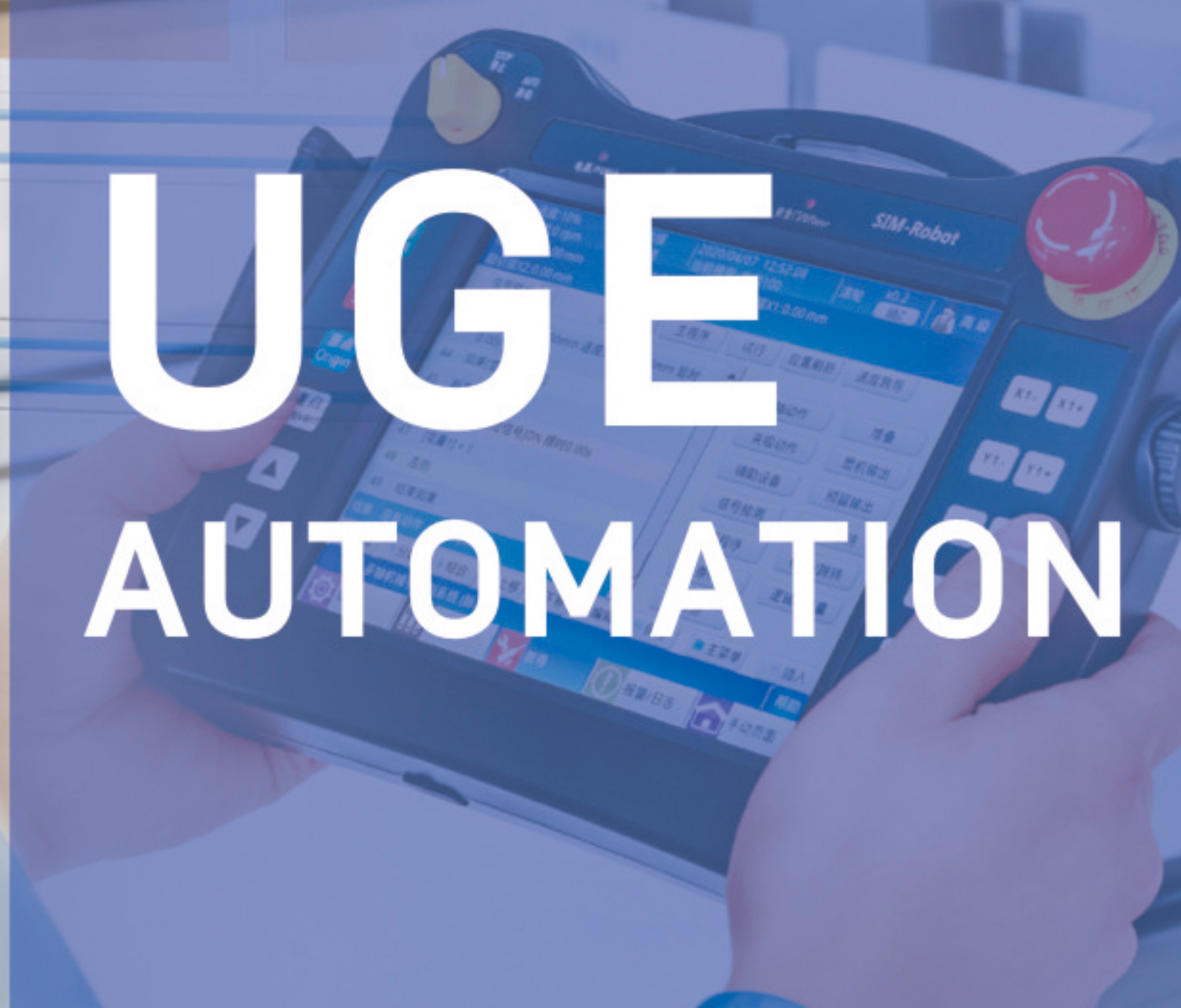


东莞优格自动化科技有限公司

DONGGUAN UGE AUTOMATION TECHNOLOGY CO.,LTD

台州优思塑模有限公司

TAIZHOU USEE PLASTIC MOULD., LTD

A hand holding a blue handheld device labeled 'SIM-Robot'. The screen displays a control interface with various buttons and text in Chinese.

**UGE
AUTOMATION**

A photograph of industrial machinery, likely a plastic disposable cutlery full automatic packing system, with a blue and white color scheme and safety warning labels.

<http://www.uge-auto.com>

致力于机械手、一次性刀叉勺全自动包装系统以及模内贴标系统等非标设备的研发设计与生产
Major in design & manufacturing robot , plastic disposable cutlery full automatic packing system, in mould labeling system.

公司简介

东莞优格自动化科技有限公司，成立于2021年，是一家主要致力于机械手、一次性刀叉勺全自动包装系统以及模内贴标系统等非标设备的研发设计与生产的企业。

公司技术成熟，团队优良，拥有研发、设计、制造、装配、销售、服务等完整的体系，秉承质量第一的原则精心服务于每一个客户。

公司运用先进电脑设计系统，CAD、3D立体设计模演和分析真实工况，不断改善和推出新机型以满足市场和客户的需求，我们对每一制造环节都严格控制和检验以保证产品的质量和使用寿命，公司高素质的工程师和售后服务团队，为您企业提供最佳的整体自动化解决方案与服务，提供高品质、高效率、高性价比的自动化产品，提升客户公司在同行业界的生产效率和品质形象。

选择优格自动化，我们尽心给您想要的。

Company Profile

DONGGUAN UGE AUTOMATION TECHNOLOGY CO.,LTD, founded in 2021, major in design & manufacturing robot , plastic disposable cutlery full automatic packing system, in mould labeling system.

Our company have mature technology and excellent production team, we have rounded production chain for R&D, design, manufacturing, assembly, sales service etc, We serve every customer carefully base on the principle of top quality.

Our company simulates, demonstrates and analyzes real working conditions by adopting an advanced computer design system, CAD and 3D design, constantly improves its products and develops new machine types to meet requirements of the market and customers. We have strict control and inspection on every manufacturing link to ensure the quality and service life of products. Its high-quality engineers and after-sales service team provide your enterprises with best overall automation solutions and service, and high-quality, high-efficiency and high-cost-performance automation products, as well as improve production efficiency and product quality of the industry.

Choose UGE AUTOMATION, we give you what you want.

UGE-CP系列刀叉勺全自动包装系统

UGE-CP Series Full-Automatic Packing System For Knife, Fork And Spoon

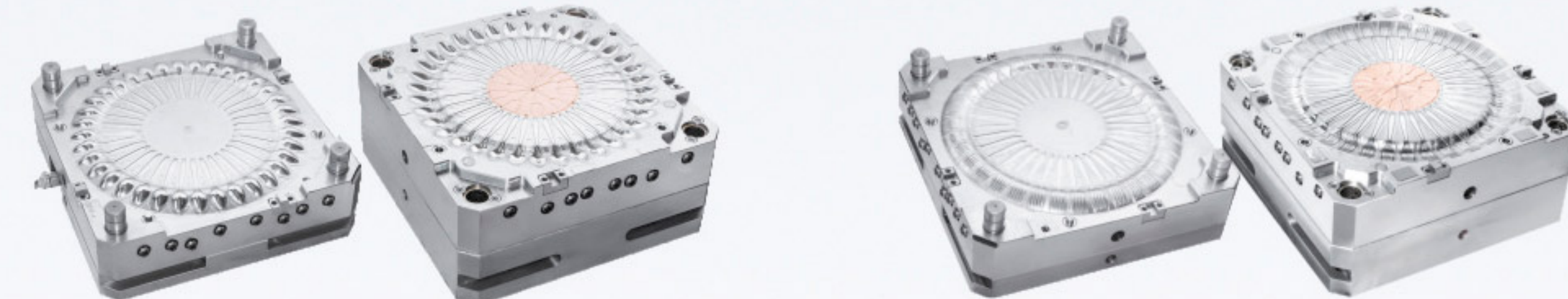
专业应用于餐具刀、叉、勺的包装（多支包装）等。
Professional application in multi integrated packing for knife, fork and spoon etc.



机械特点 / Features

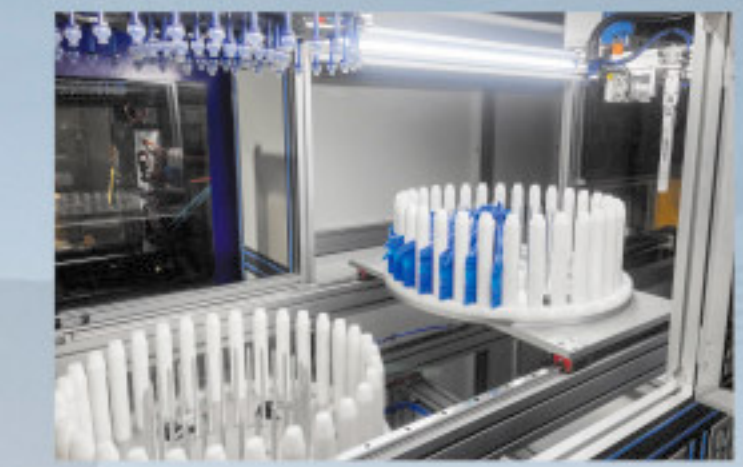
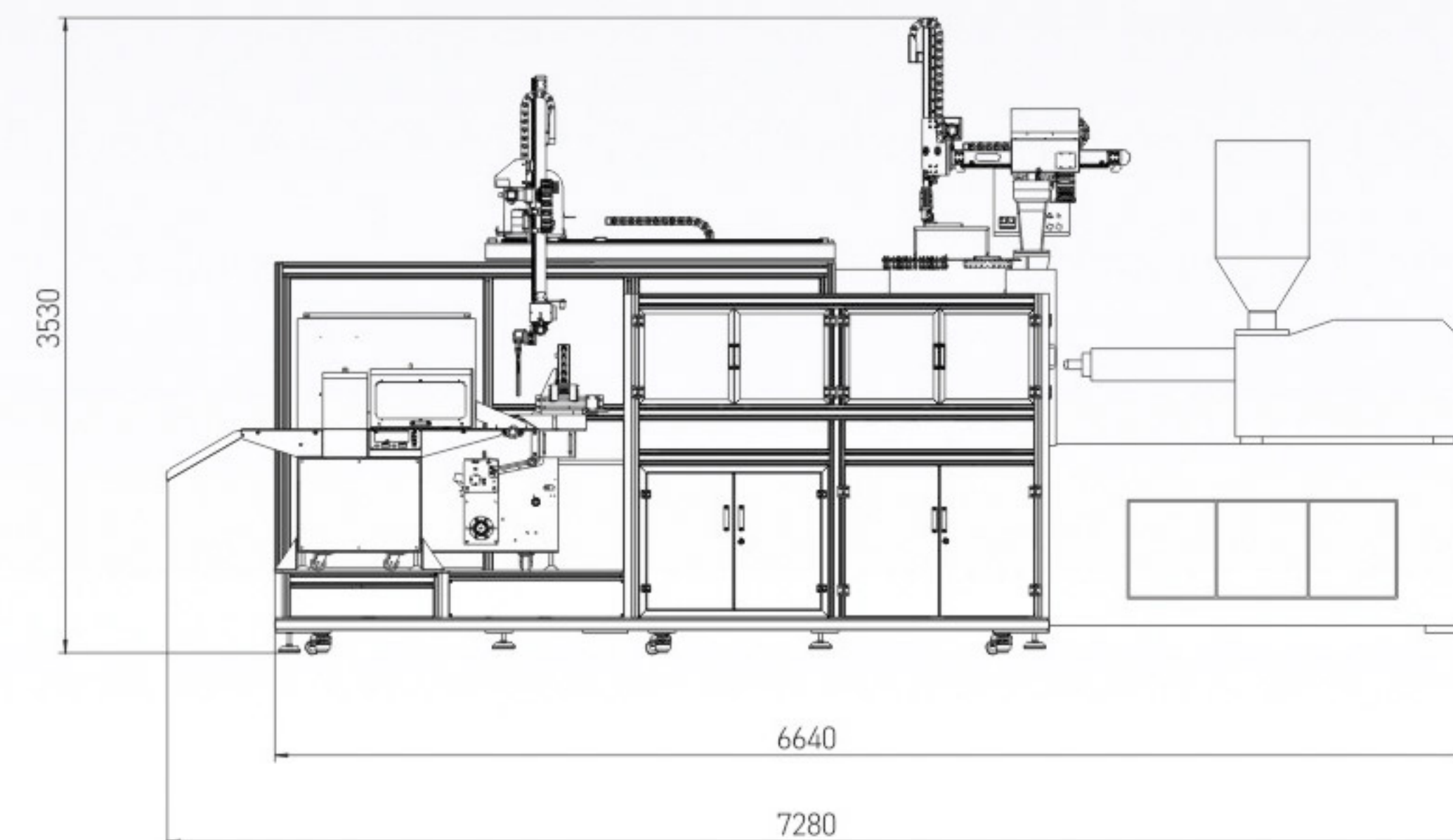
- ◆ 设备功能：取产品--堆叠/折叠--计数--包装。
- ◆ 应用范围：单支包装/多支包装/多支混合包装。
- ◆ 根据产品排列方式及尺寸匹配工装结构。
- ◆ 根据产品生产周期匹配包装时间。
- ◆ 8.4寸触摸屏，智能的中英文人机操作界面。
- ◆ 3轴伺服控制系统，采用了多个CPU控制，系统响应速度快，精度高，定位精度0.01mm。
- ◆ 产品取出、堆叠、计数，用户教导等多项功能，动作为示教模式，满足客户的各种控制需求。
- ◆ 携带保护功能，自动检测机器运行情况，及时显示故障报警，确保设备的使用。
- ◆ 可扩展IO端口，满足设备外部复杂控制。

- ◆ Function: taking product-stacking/folding-counting-packaging.
- ◆ Range of application: single package/multiple package/multiple mix package.
- ◆ Designing structure as per arrangement mode and dimension of products.
- ◆ Setting packaging time as per production cycle.
- ◆ 8.4 inch touch screen, intelligent human-computer interface in Chinese and English.
- ◆ 3 axis servo control system, controlled by multiple CUPs, quick system reaction, high precision, 0.01mm of positional accuracy.
- ◆ Meet customers' all kinds of requirements in control by multiple functions such as take-out, stacking, counting, user instruction and so on, and action as teaching mode.
- ◆ Automatically detecting running condition for machine and displaying fault alarm timely with protection function to ensure the using of machine.
- ◆ Extensible IO port, achieving outer complicated control for machine.



机械尺寸 / Dimensions

单位/Unit (mm)



堆叠工装治具
Jig for stacking products



堆叠工装治具
Jig for stacking products



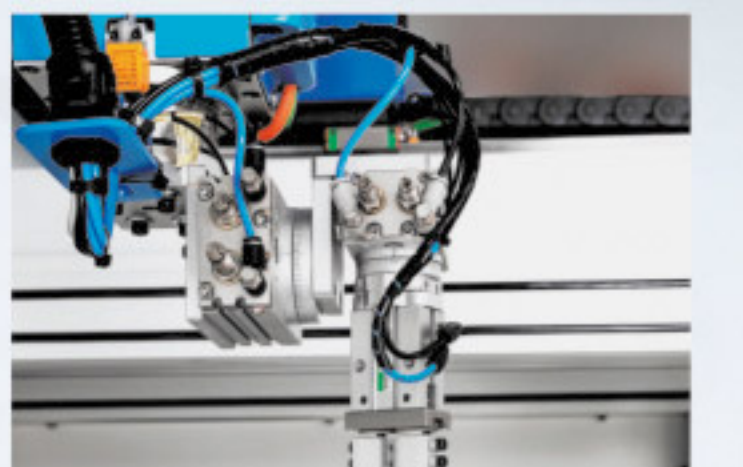
旋转传动输出装置，极强平稳性
Rotating & drive output device,
with extreme stability



多支包装装置
Multiple packaging devices



产品牵引装置
Traction device for products



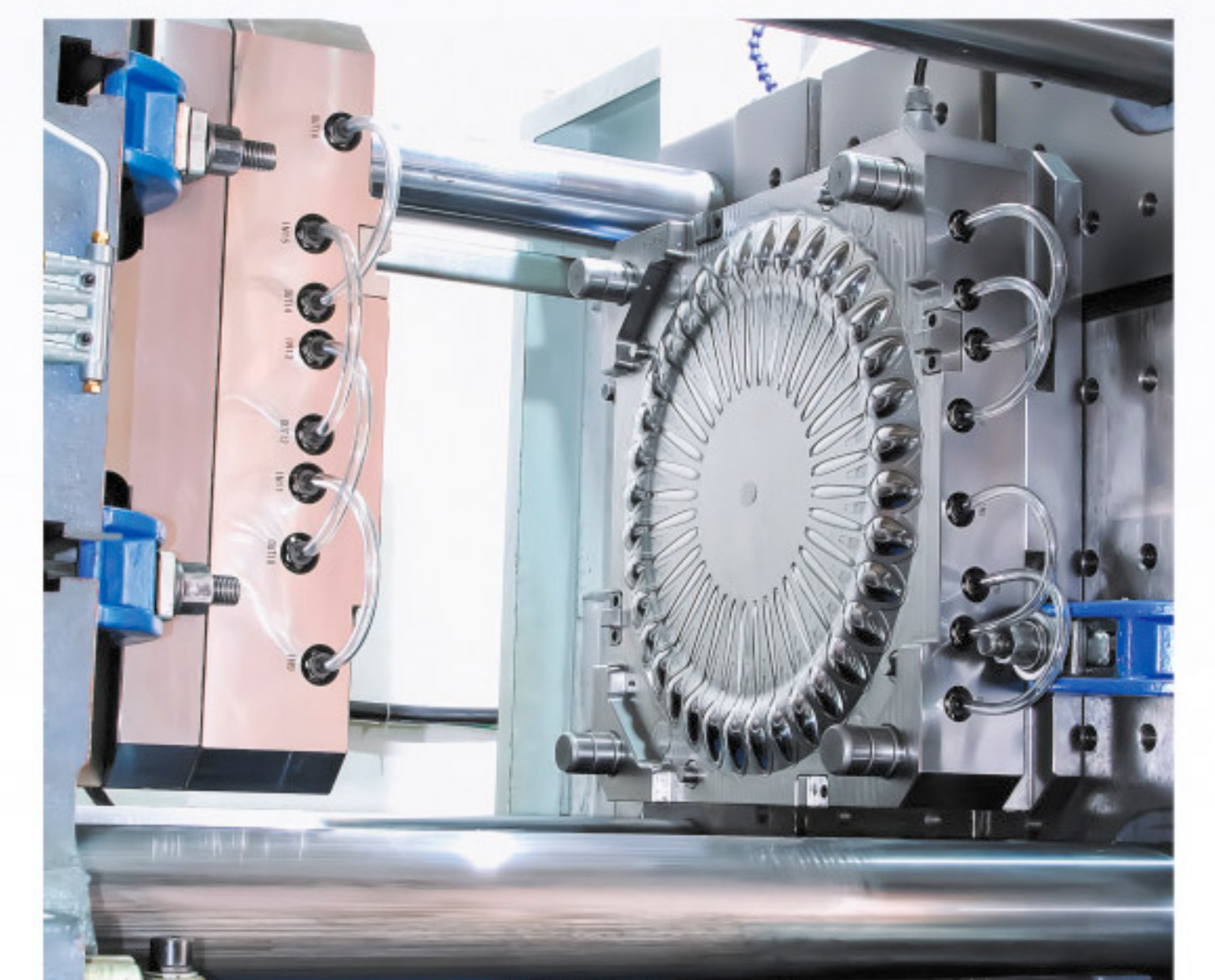
产品取出工装治具
Jig for taking out products



产品传动包装
Drive package for products



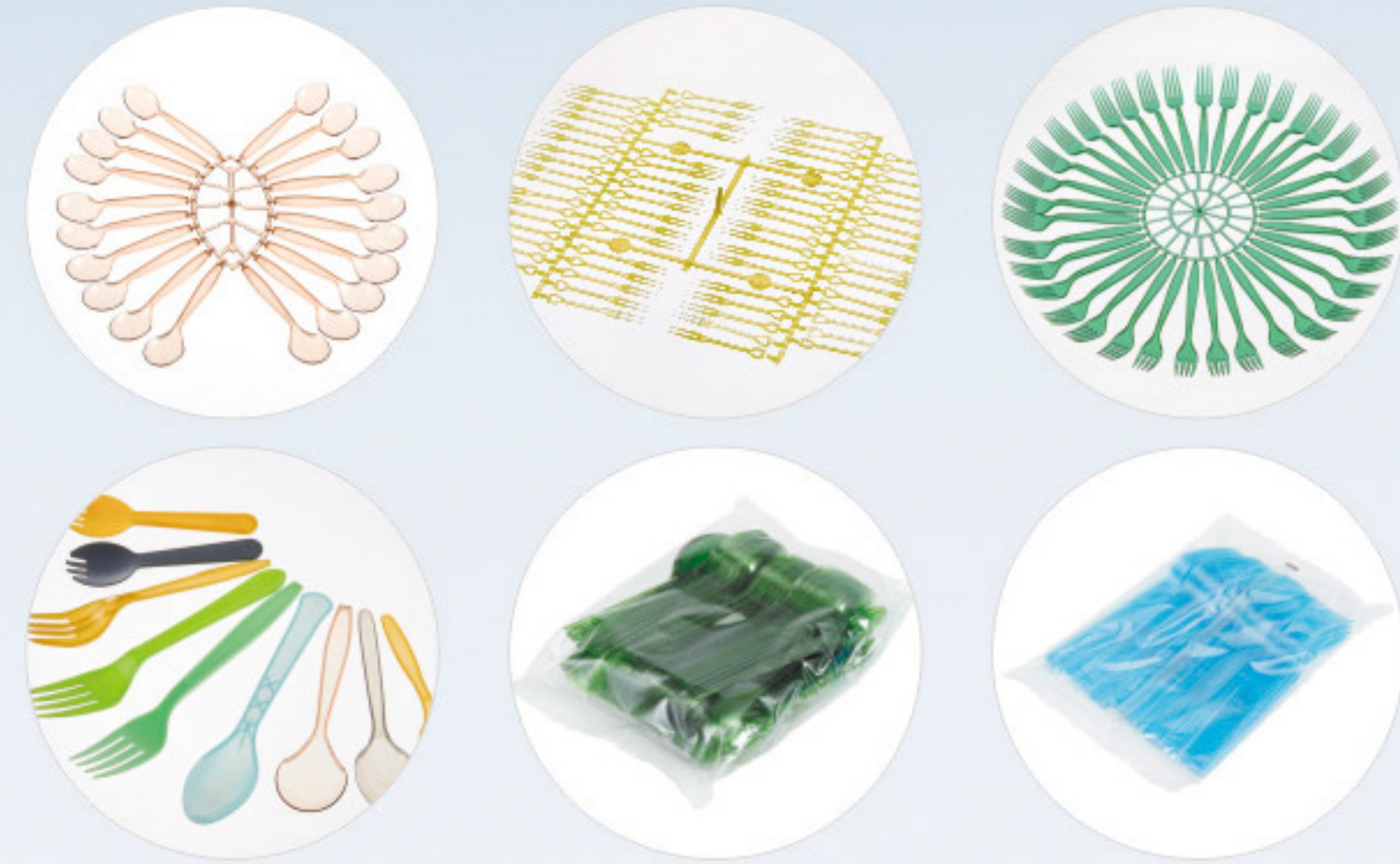
产品取出工装治具
Jig for taking out products



UGE-DP系列刀叉勺全自动包装系统 (含剪交口装置)

UGE-DP Series Full-Automatic Packing System For Knife, Fork And Spoon (With cut runner equipment)

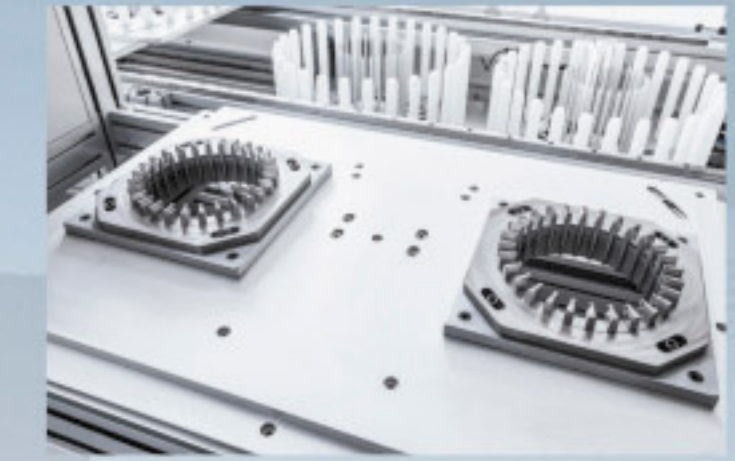
专业应用于餐具刀、叉、勺的包装，计数等。
Professional application in tableware knife, fork, spoon packaging, counting, etc.



机械特点 / Features

- ◆ 设备功能：取产品--剪交口--堆叠/折叠--计数--包装。
- ◆ 应用范围：单支包装/多支包装/多支混合包装。
- ◆ 根据产品排列方式及尺寸匹配工装结构。
- ◆ 根据产品生产周期匹配包装时间。
- ◆ 8.4寸触摸屏，智能的中英文人机操作界面。
- ◆ 3轴伺服控制系统，采用了多个CPU控制，系统响应速度快，精度高，定位精度0.01mm。
- ◆ 产品取出、堆叠、计数，用户教导等多项功能，动作为示教模式，满足客户的各种控制需求。
- ◆ 携带保护功能，自动检测机器运行情况，及时显示故障报警，确保设备的使用。
- ◆ 可扩展IO端口，满足设备外部复杂控制。

- ◆ Function: taking product-cutting runner-stacking/folding-counting-packaging.
- ◆ Range of application: single package/multiple package/multiple mix package.
- ◆ Designing structure as per arrangement mode and dimension of products.
- ◆ Setting packaging time as per production cycle.
- ◆ 8.4 inch touch screen, intelligent human-computer interface in Chinese and English.
- ◆ 3 axis servo control system, controlled by multiple CUPs, quick system reaction, high precision, 0.01mm of positional accuracy.
- ◆ Meet customers' all kinds of requirements in control by multiple functions such as take-out, stacking, counting, user instruction and so on, and action as teaching mode.
- ◆ Automatically detecting running condition for machine and displaying fault alarm timely with protection function to ensure the using of machine.
- ◆ Extensible IO port, achieving outer complicated control for machine.



剪水口工装治具
Jig for cutting runners



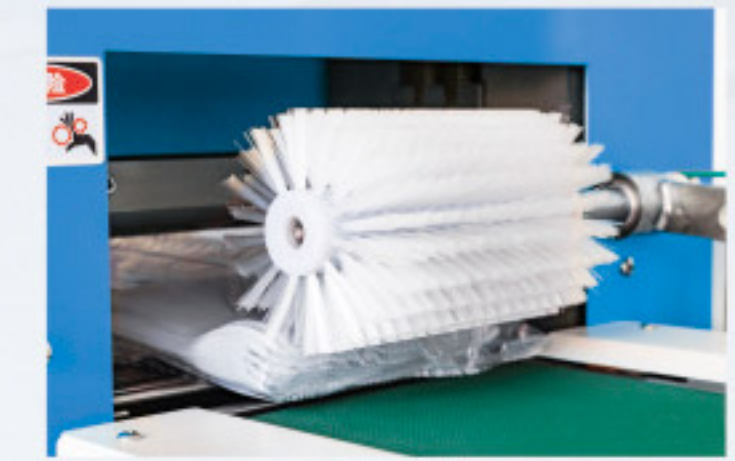
堆叠工装治具
Jig for stacking products



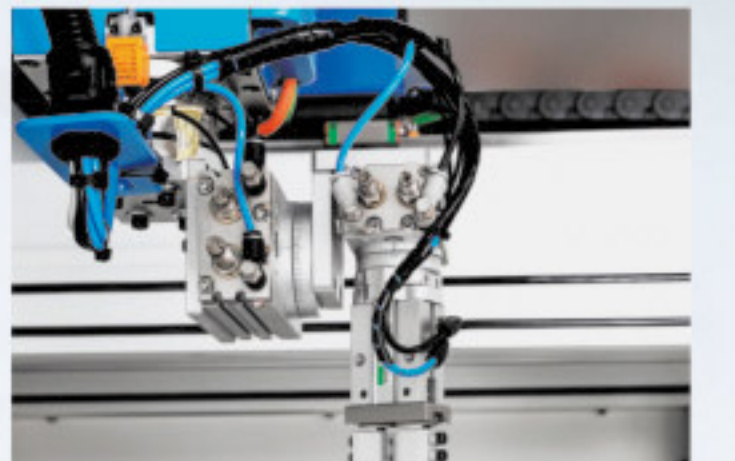
旋转传动输出装置，极强平稳性
Rotating & drive output device,
with extreme stability



多支包装装置
Multiple packaging devices



产品牵引装置
Traction device for products



产品取出工装治具
Jig for taking out products



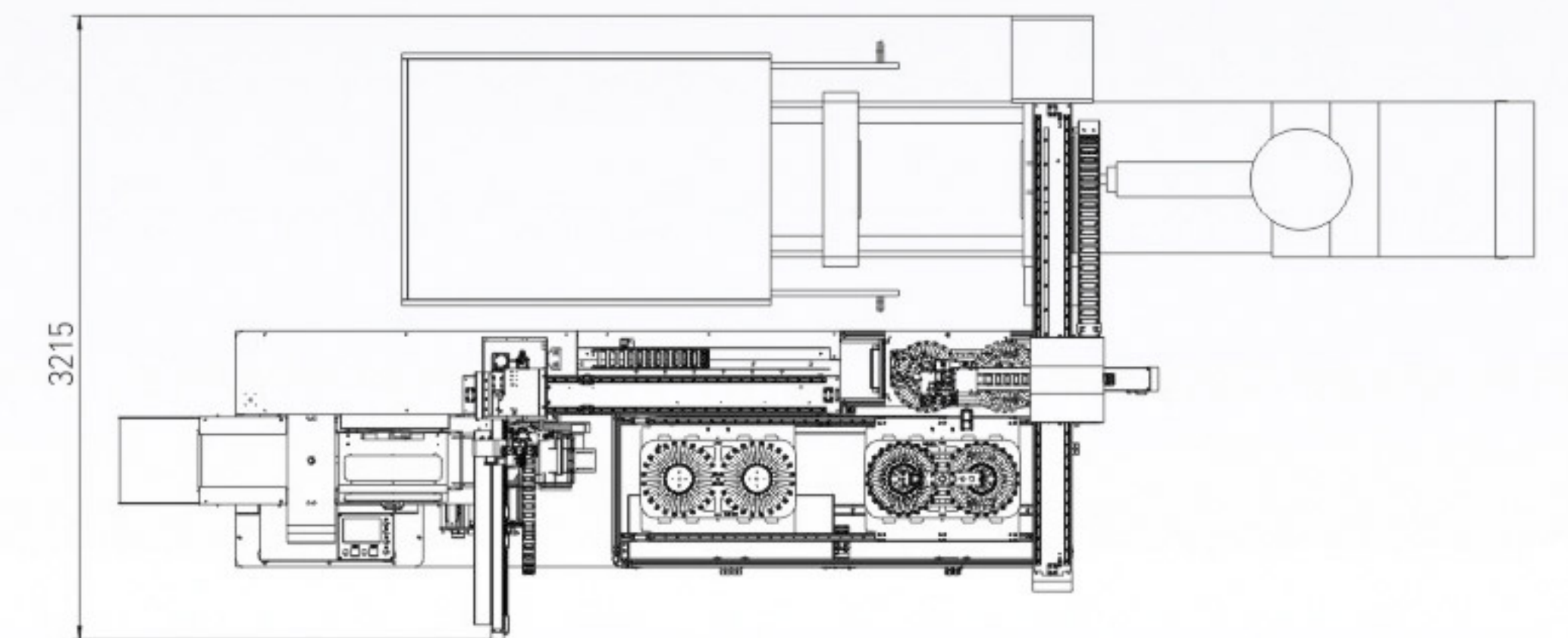
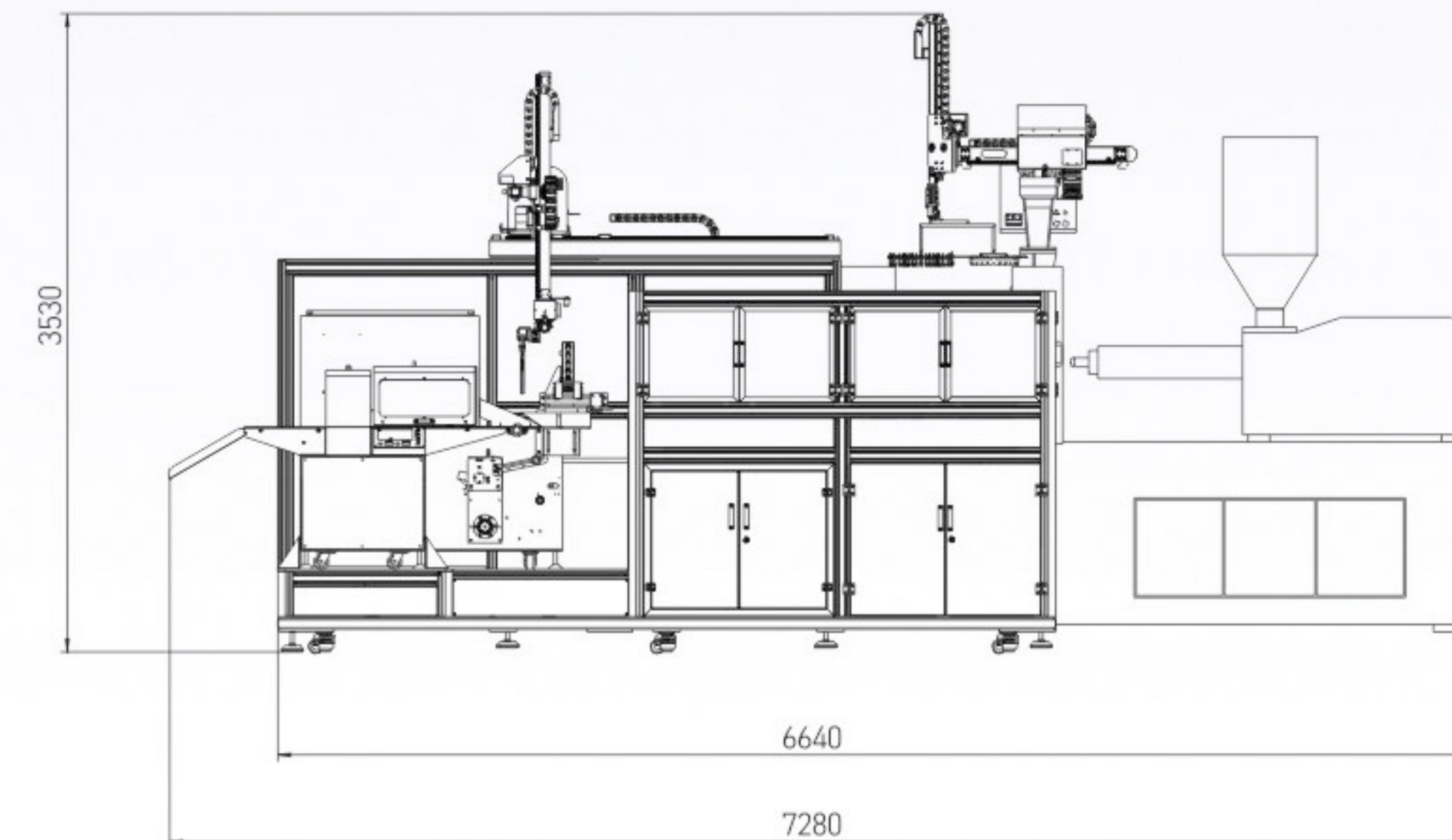
产品传动包装
Drive package for products



产品取出工装治具
Jig for taking out products

机械尺寸 / Dimensions

单位/Unit (mm)



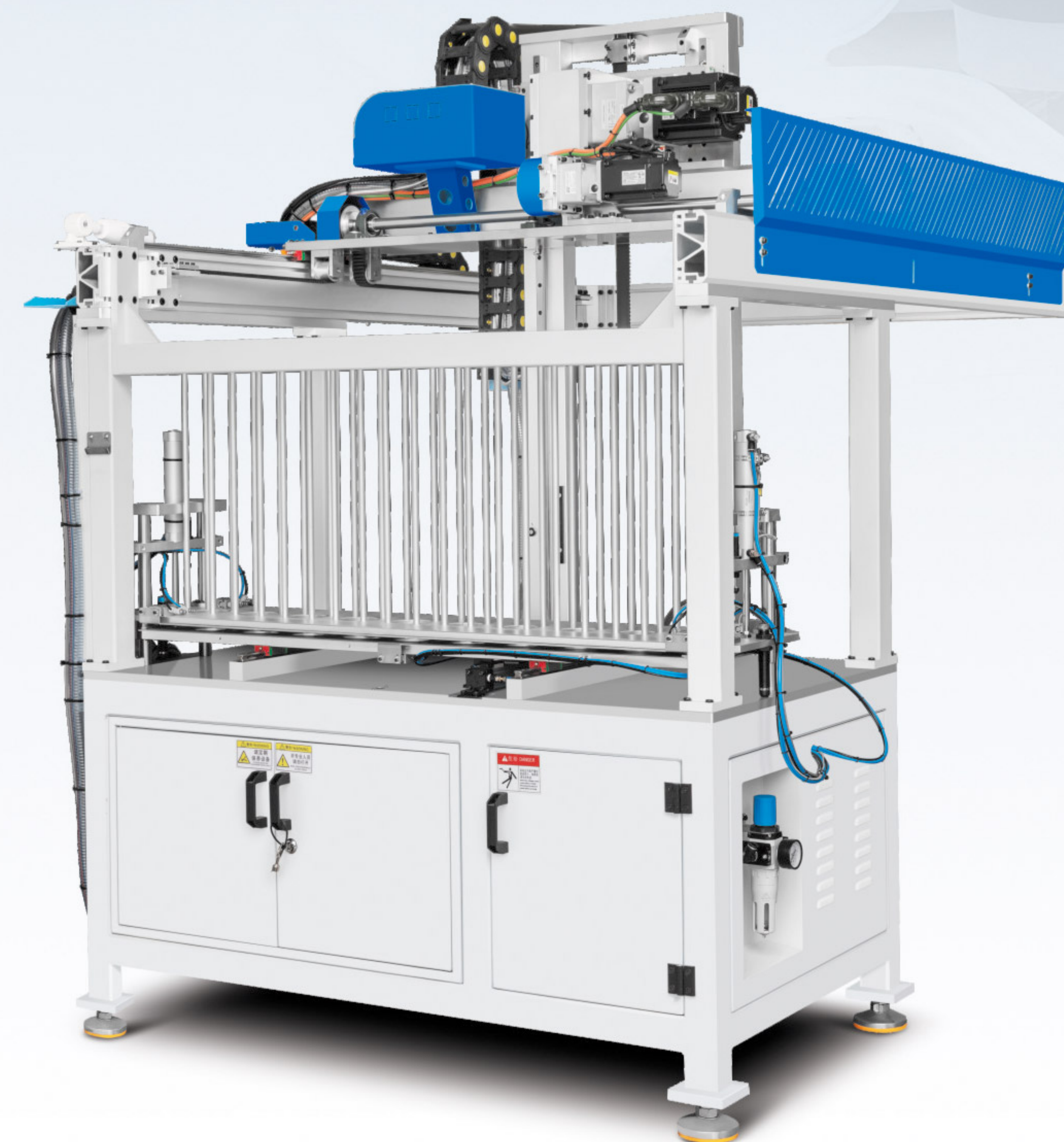
UGE-SP系列刀叉勺全自动包装系统 (单支包装) UGE-SP Series Full-Automatic Packing System For Knife, Fork And Spoon (Single packing system)

专业应用于餐具刀、叉、勺的包装（单支包装）等。
Professional application in single packing for knife, fork and spoon etc.



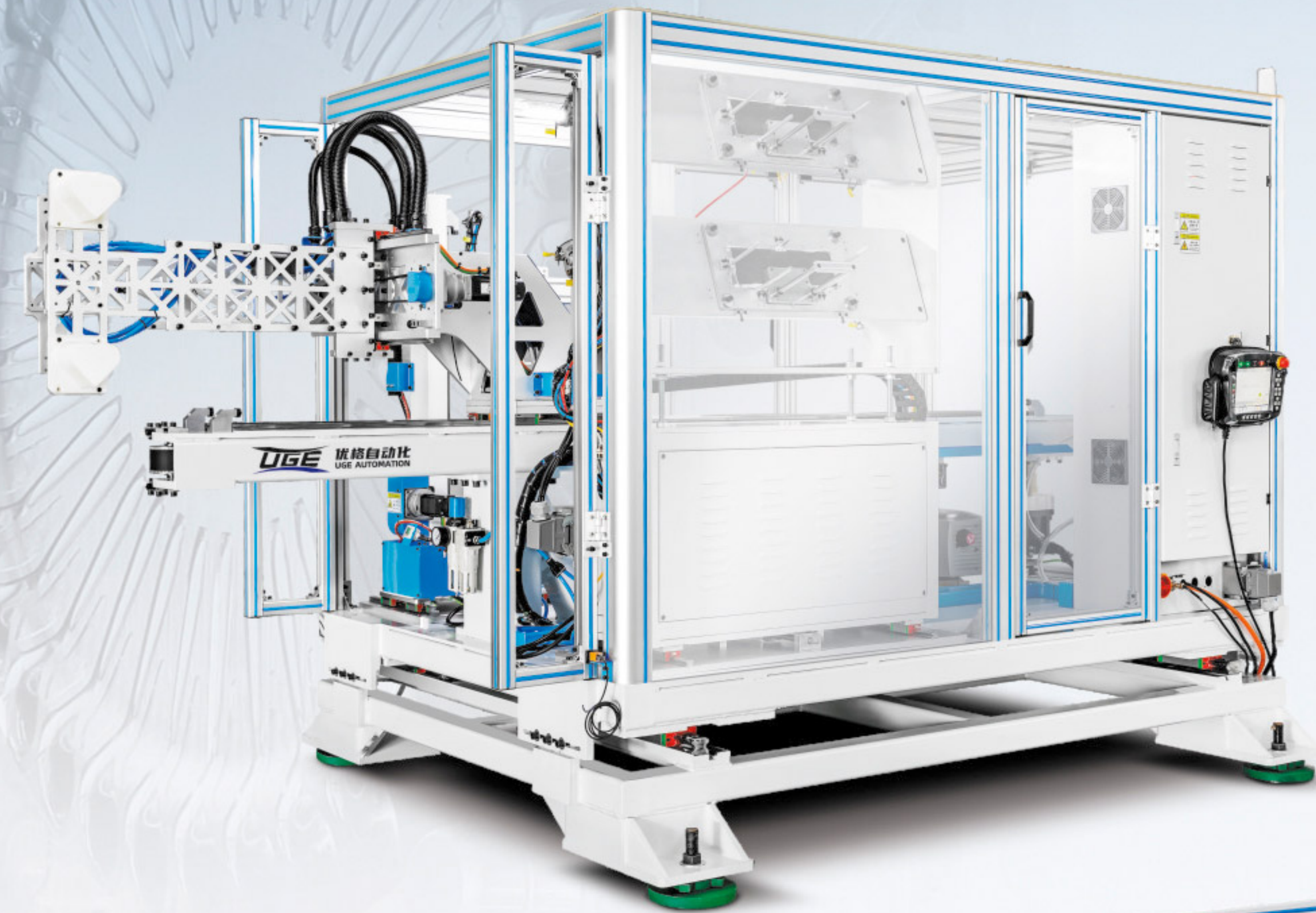
特殊设备 (适用于环保可降解产品) (非标机型, 客户定制) Specially Equipment For BIO Degradation Products (Non standard models, Customized)

主要用于可降解产品, 非标定制设备, 操作简单, 运行稳定, 适合多样化产品应用。
Mainly used for degradable products, Non standard customized equipment, simple operation, stable running, suitable for diversified product applications.



UGE-IML350 模内贴标机 (侧入式/顶入式) UGE-IML350 In Mould Labeling Machine (Side Entry / Top Entry)

适用于食品包装及化工包装等行业。
Suitable for food packaging and chemical packaging industry etc.



机械特点 / Features

该机具有防伪功能，广范应用于各行各业，如：化妆品、工业润滑油、食品包装、婴幼儿品、饮品包装、洗涤护理用品等。

The machine has anti-counterfeiting function, widely used in all walks of life, such as: cosmetics, industrial lubricants, food packaging, infant products, beverage packaging, washing care products, etc.



模内贴标 - 伺服控制系统

- ◆ 伺服控制系统采用了多个CPU控制，系统响应速度快，精度高，定位精度0.01mm。
- ◆ 产品取出、堆叠、计数，用户教导等多项功能，动作为示教模式，满足客户的各种控制需求。
- ◆ 携带保护功能，自动检测机器运行情况，及时显示故障报警，确保设备的使用。
- ◆ 可扩展IO端口，满足设备外部复杂控制。

In mold labeling - servo control system

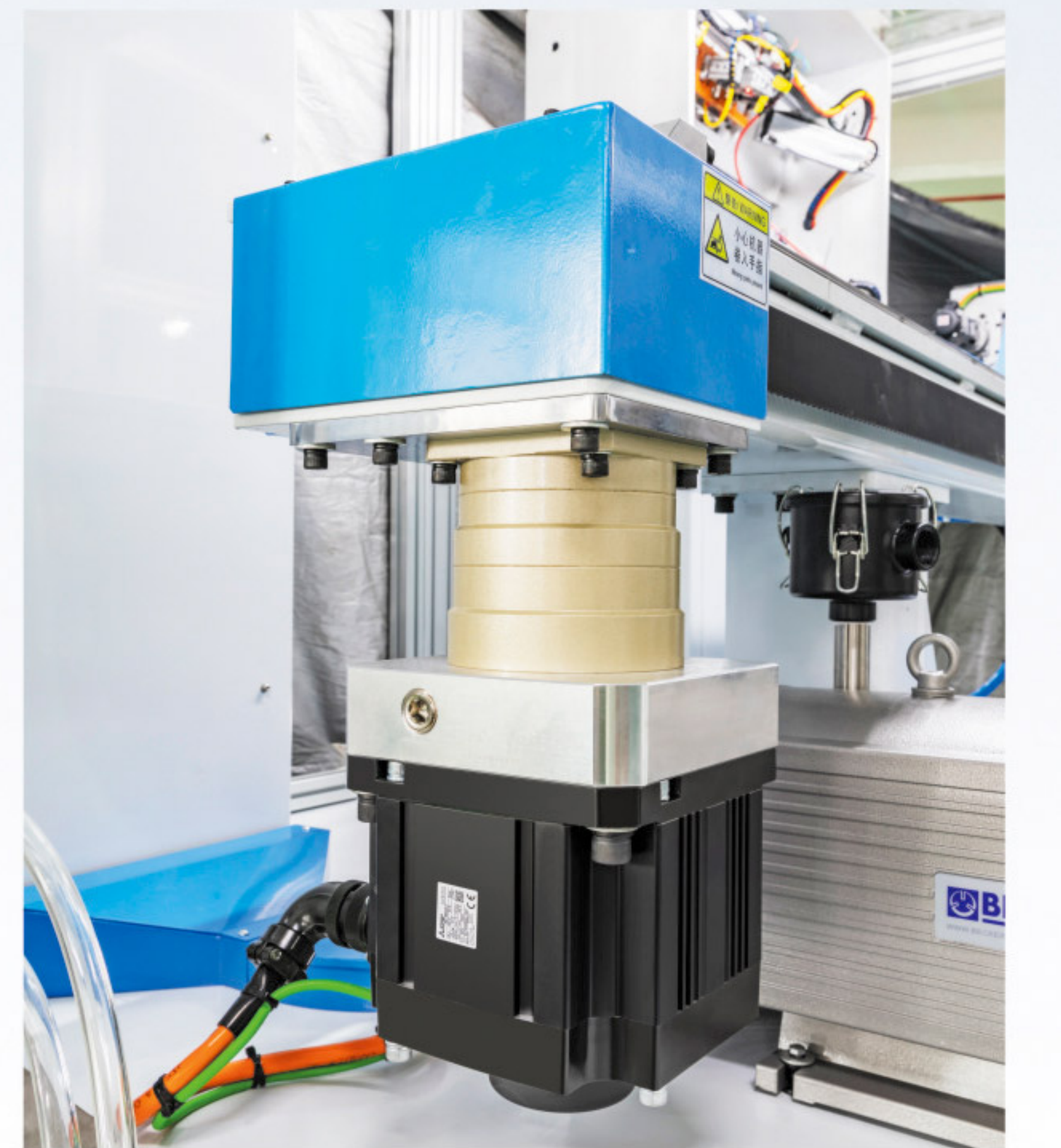
- ◆ Servo control system, using multiple CUP control, quick system reponse, high precision, positional accuracy 0.01mm.
- ◆ Meet customers' all kinds of controlling requirements by multiple functions such as take-out, stacking, counting, user instruction and so on, and action as teaching mode.
- ◆ Automatically detecting running condition for machine and displaying fault alarm timely with protection function to ensure the using of machine.
- ◆ Extensible IO port, achieving outer complicated control for machine.



美国SIMCO静电发生器
American SIMCO
electrostatic generator



德国BECKER真空泵
Germany Becker vacuum pump



采用高精度，高感应三菱AC伺服马达传动，
响应速度更加敏捷。
Using high precision, high induction Mitsubishi
AC servo motor drive, the response speed is more agile.

挂臂式机械手 Hang-type Robot

适用于薄壁产品行业，如餐盒、奶茶杯、医药、食品、化妆品等。
It is suitable for thin wall product industry, such as lunch box, milk tea cup, medicine, food, cosmetics, etc.



机械特点 / Features

- ◆ 钢框架结构，正、反安装方式。
- ◆ 可实现2轴或3轴驱动控制。
- ◆ 模内取出时间0.5-1.0秒。
- ◆ 机电一体，全数字控制，操作简单。
- ◆ Steel-framed structure, installation with forward direction or reverse direction.
- ◆ 2 axis or 3 axis drive control is achievable.
- ◆ Take-out time from mould: 0.5s-1.0s
- ◆ Mechanical & electrical integration, digital control, easy operation.



采用高精密，高感应AC伺服马达传动，响应速度更加敏捷。
Adopt high precision, high induction AC servo motor drive, more agile reponse speed.

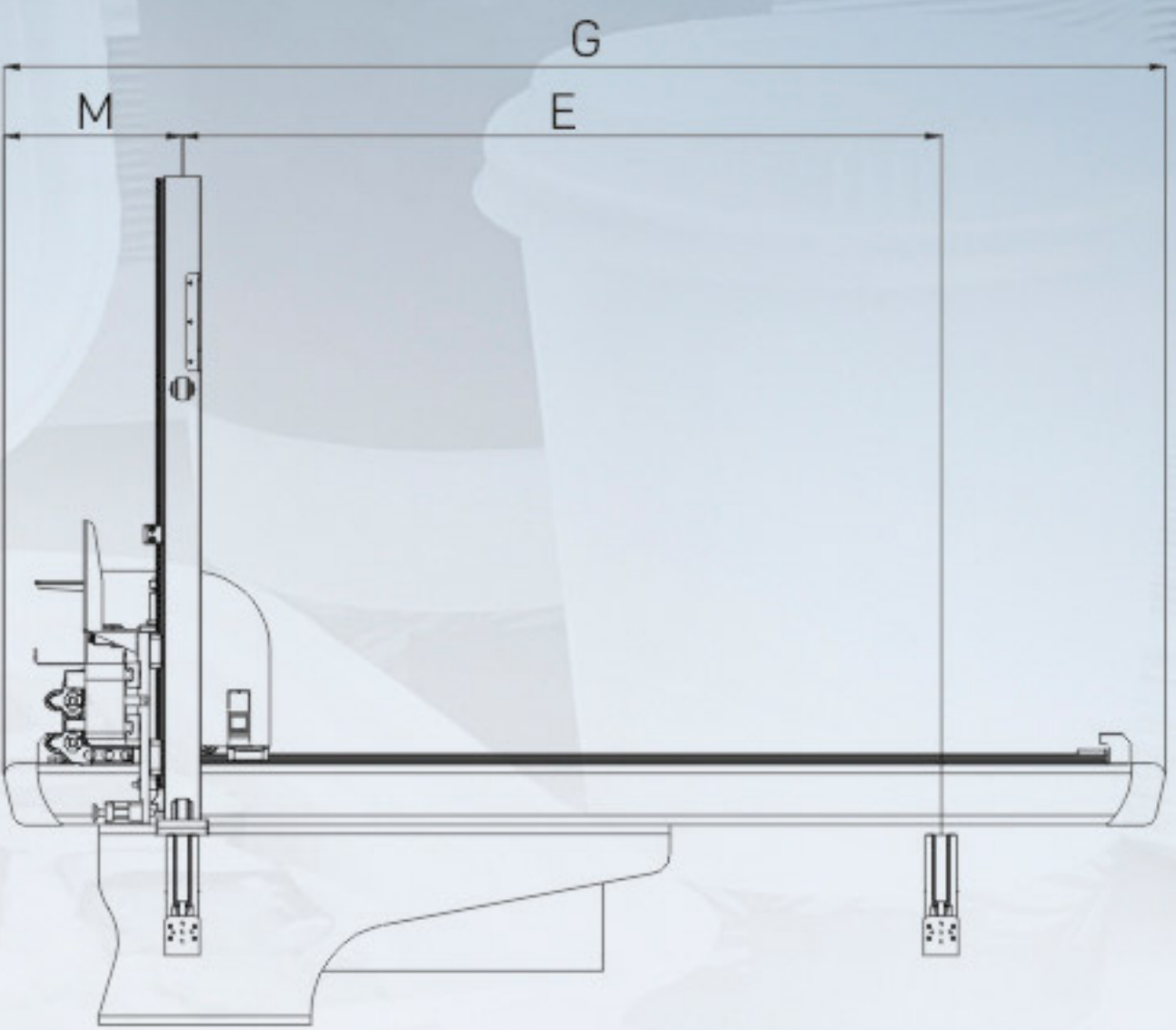
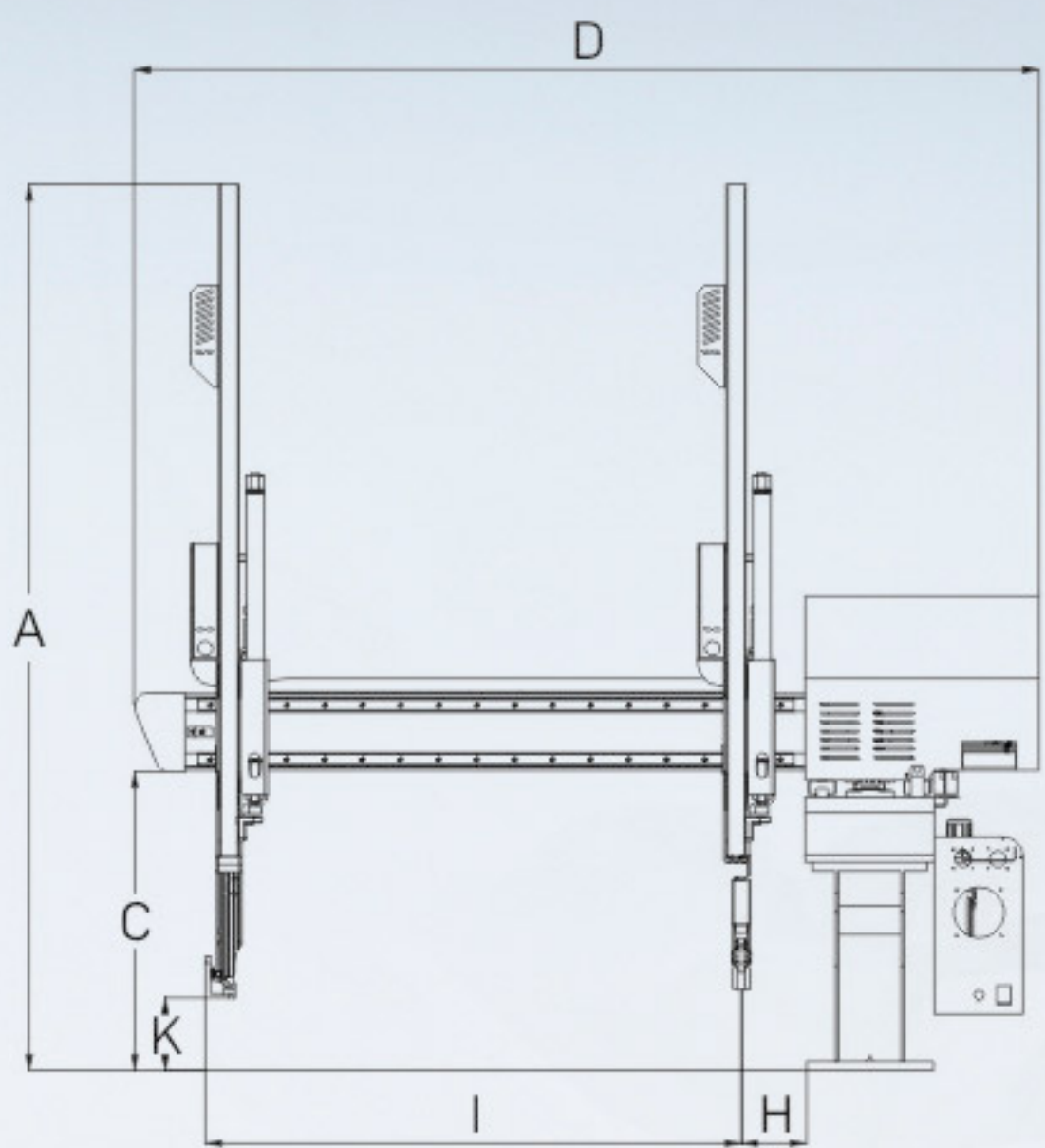


高精度滑轨，配合同步带，实现低噪音、超高速运行。
High precision slide rail, with synchronous belt, to achieve low noise, high speed running.



一轴单截双臂 / 1-axis double arm with single stage

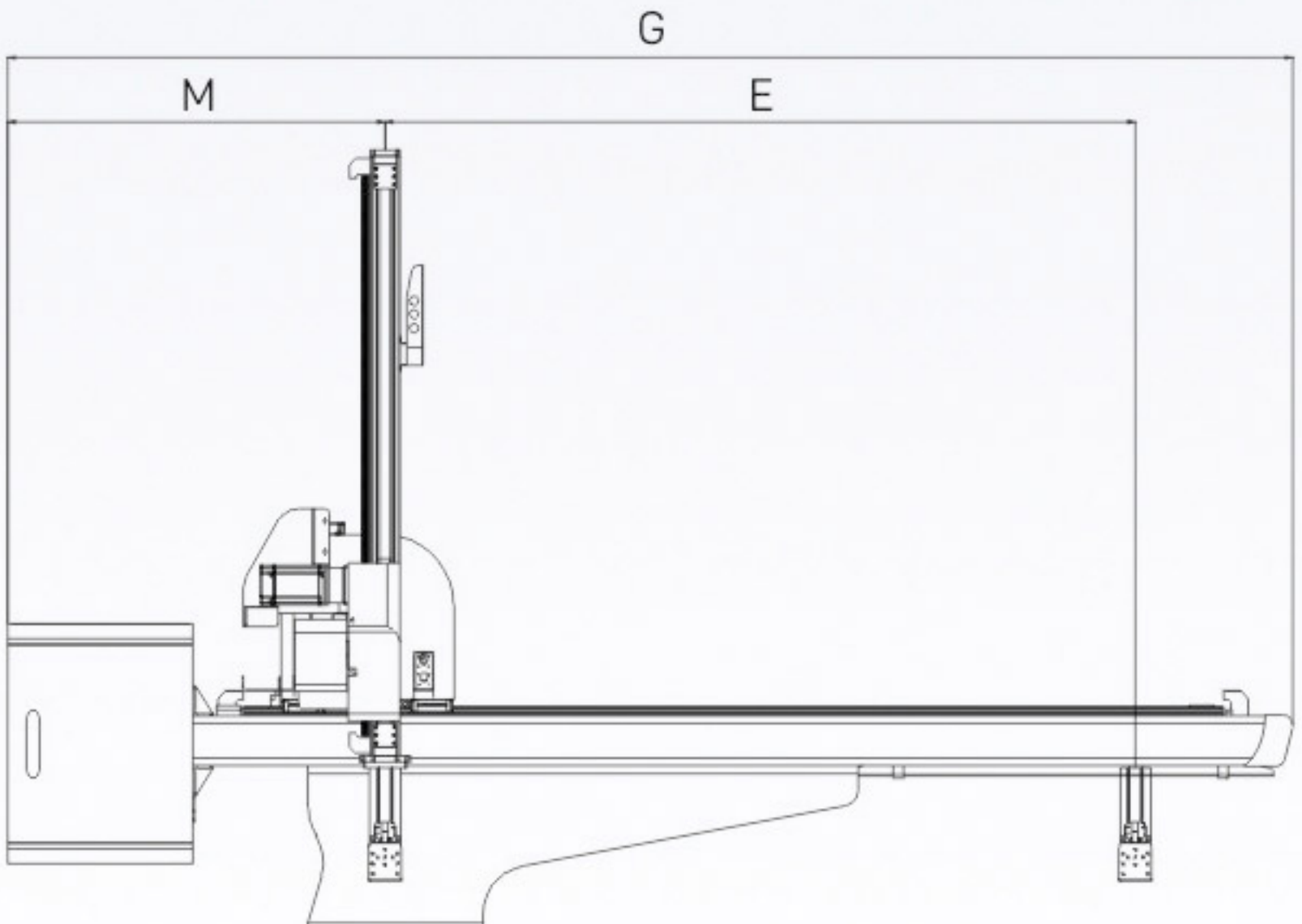
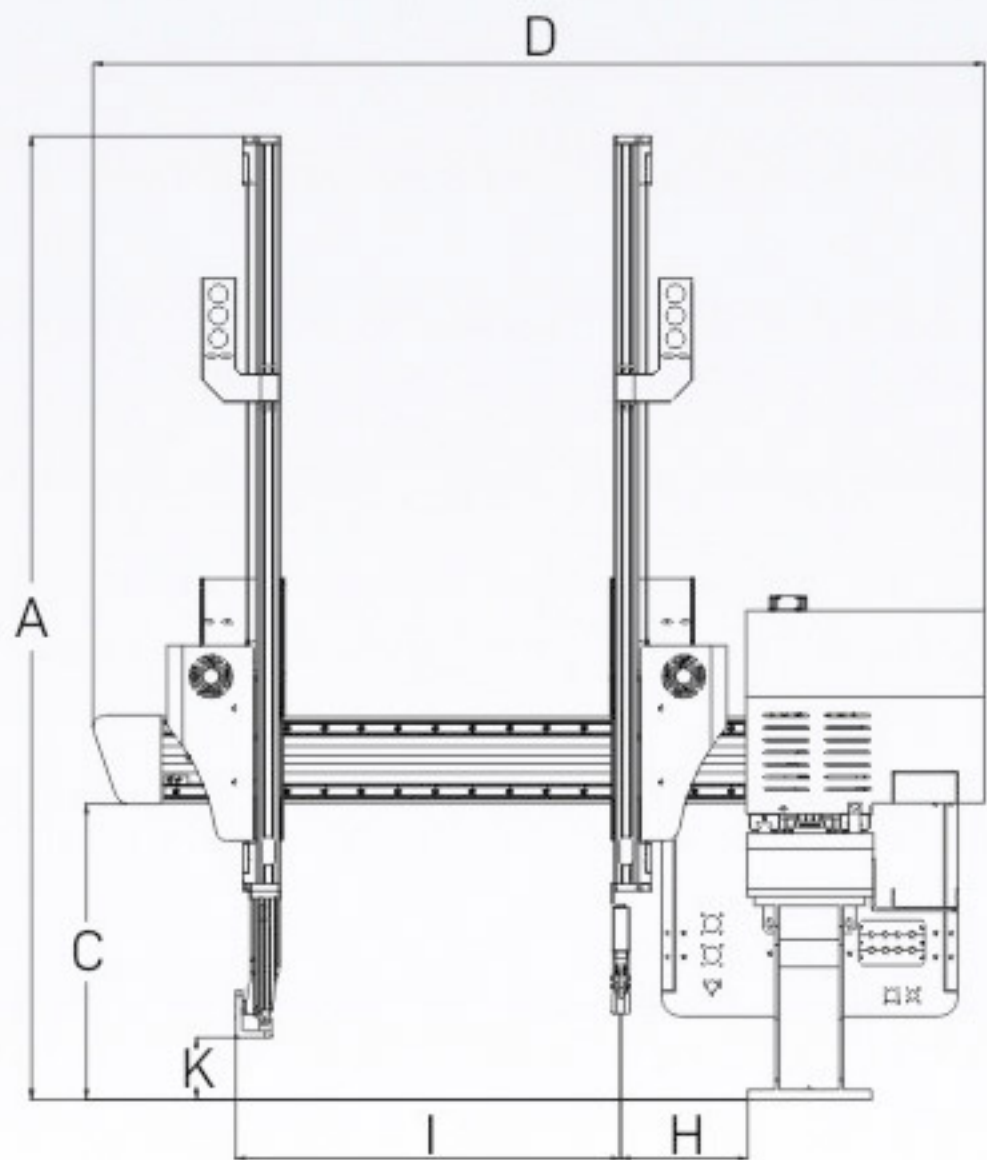
单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FG-700	1400	470	1430	1150	1730	100	850	120	300
FG-800	1520	470	1430	1350	1910	100	850	120	300
FG-900	1640	470	1430	1350	1910	100	850	120	300

三、五轴单截双臂 / 3-axis, 5-axis double arm with single stage

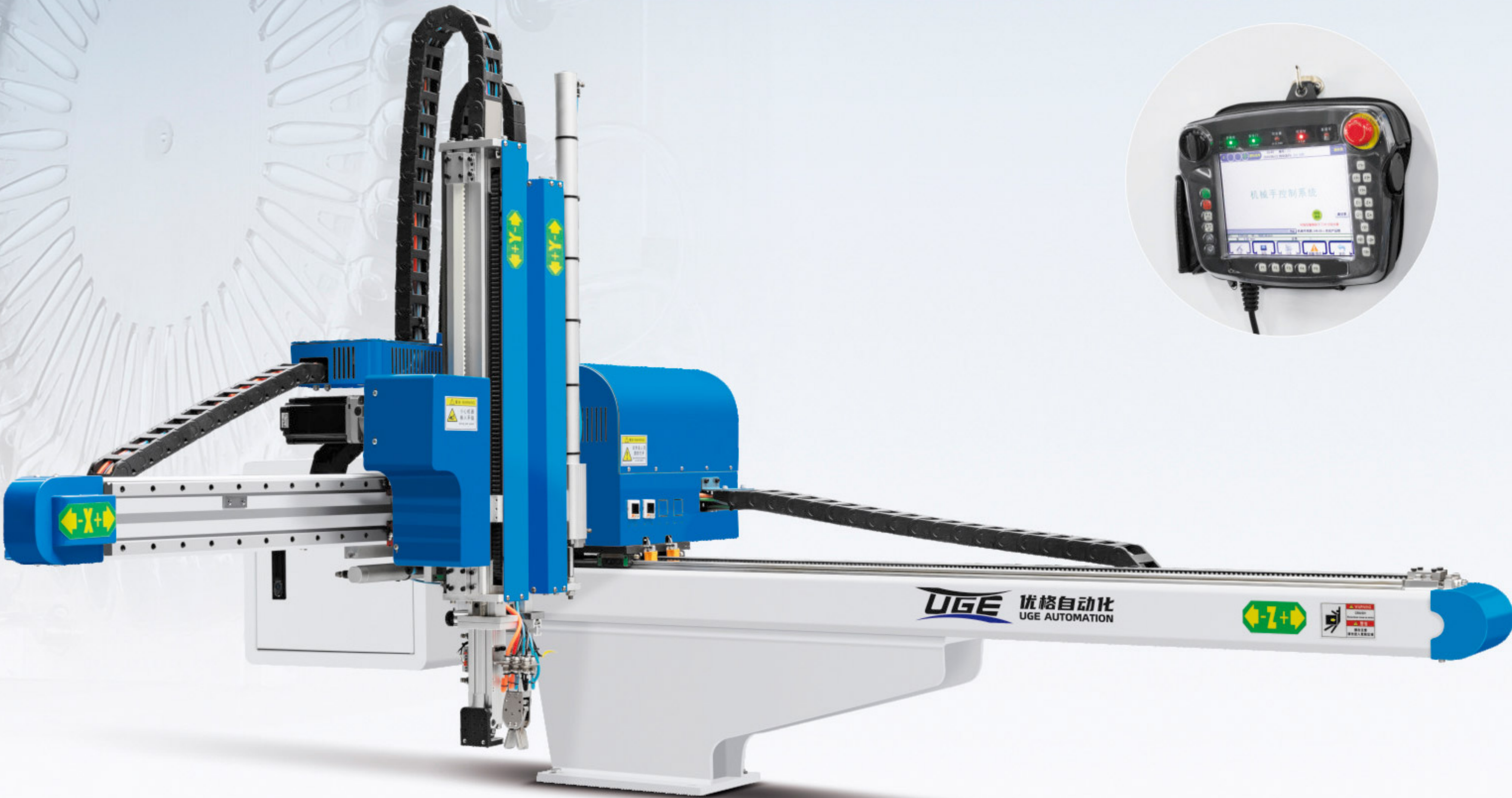
单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FG-700	1450	480	1450	1100	2160	200	620	100	700
FG-800	1570	480	1450	1300	2340	200	620	100	700
FG-900	1690	480	1450	1300	2340	200	620	100	700

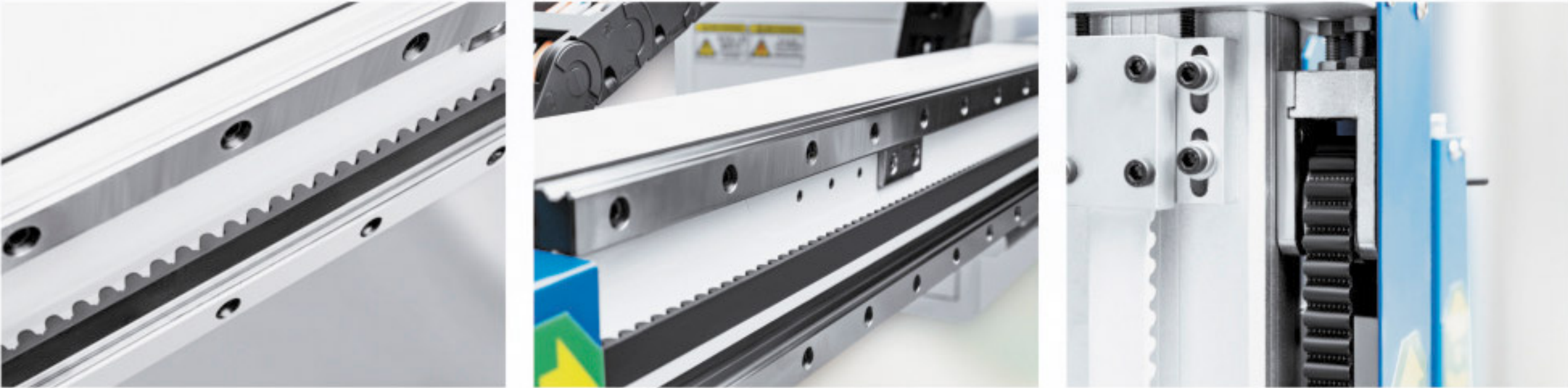
双截双臂机械手 Double Stage & Double Arm Robot

适用于薄壁产品行业，如餐盒、奶茶杯、医药、食品、化妆品等。
 It is suitable for thin wall product industry, such as lunch box, milk tea cup, medicine, food, cosmetics, etc.



机械特点 / Features

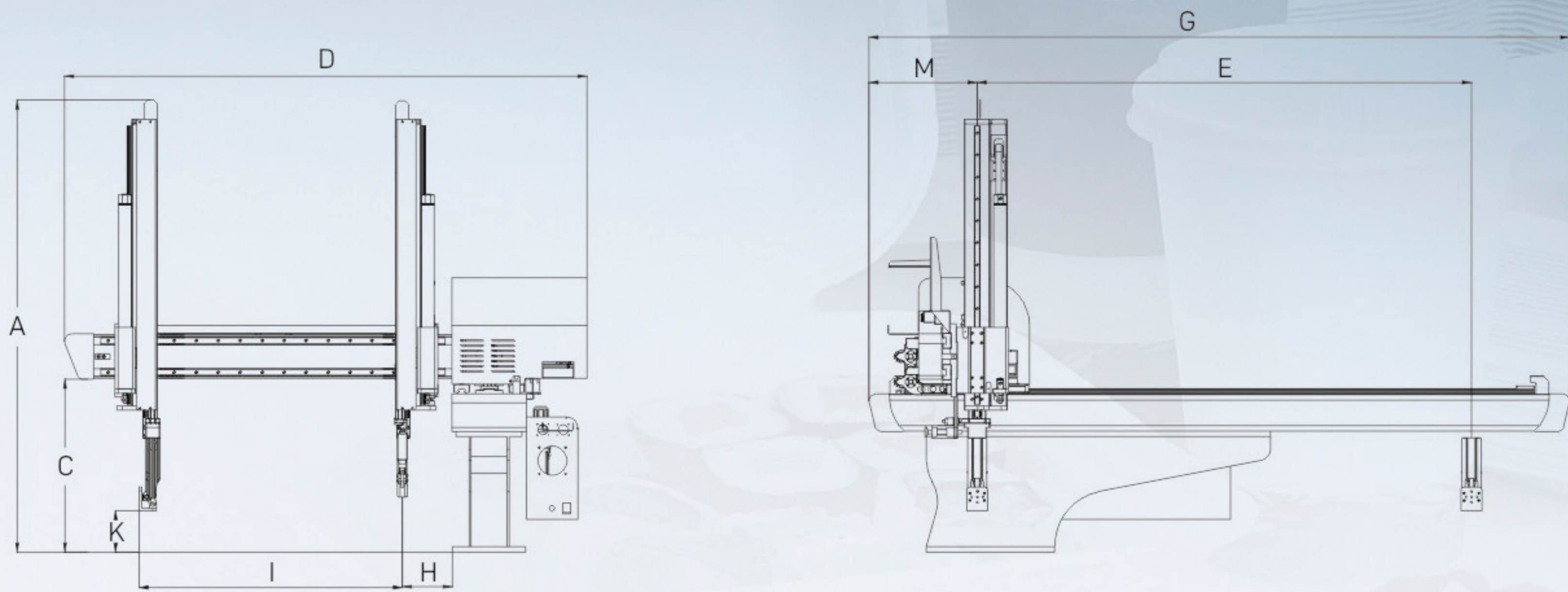
- ◆ 高稳定性、高精度、超耐用、低噪音。
- ◆ 机电一体，全数字控制，操作简单。
- ◆ High stability, high precision, high durability and low noise.
- ◆ Mechanical and electrical integration, full digital control, simple operation.



截倍速手臂结构，配合皮带传动以及高精密线性导轨，实现高速高精度的平衡运行。
 Double stage for arm, with belt traction and high precision linear guide way, achieving high speed, high precision and stable running.

一轴双截双臂 / 1-axis double arm with double stage

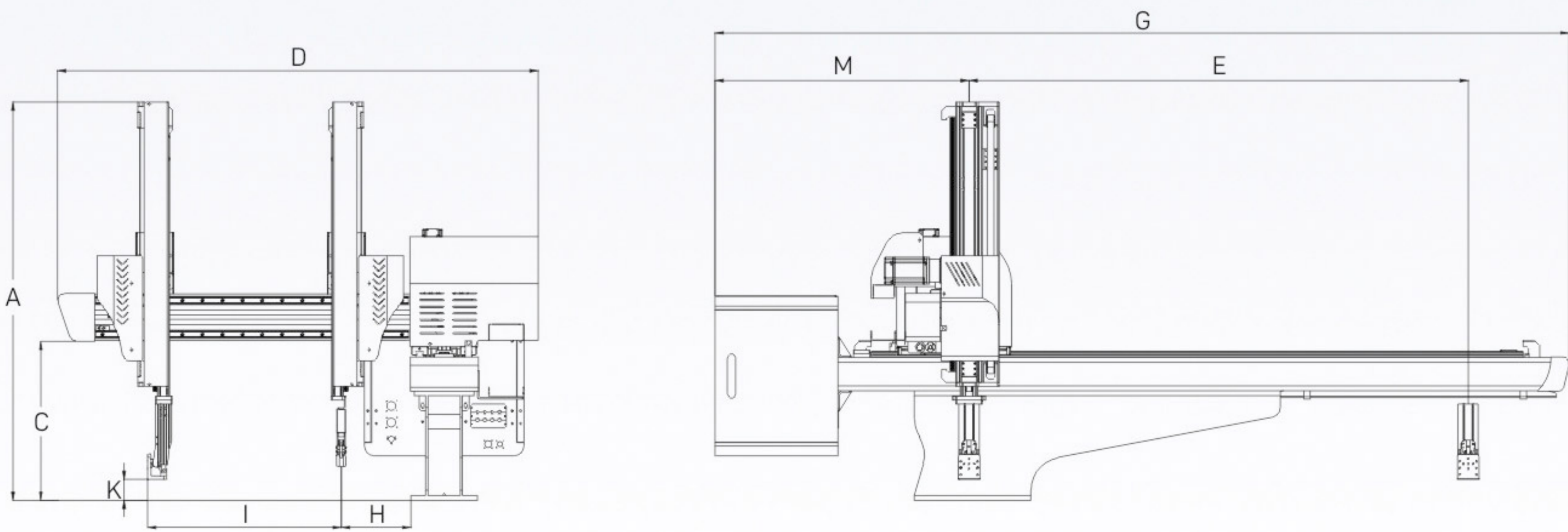
单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FG700G-WS3	1110	470	1430	1150	1730	140	720	120	300
FG900G-WS3	1230	470	1430	1350	1910	140	720	120	300
FG1100G-WS3	1350	470	1430	1530	2100	140	720	120	300

三、五轴双截双臂 / 3,5 axis double arm with double stage

单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FG700G	1140	480	1450	1100	2160	210	580	65	700
FG900G	1200	480	1450	1300	2350	210	580	65	700
FG1100G	1320	480	1630	1500	2580	210	760	65	700
FG1300G	1440	480	1810	1850	2940	210	940	65	700

框架式机械手 Frame-type High Speed Robot

适用于薄壁产品行业，如餐盒、奶茶杯、医药、食品、化妆品等。
 It is suitable for thin wall product industry, such as lunch box, milk tea cup, medicine, food, cosmetics, etc.



机械特点 / Features

- ◆ 高稳定性、高精度、超耐用、低噪音。
- ◆ 机电一体，全数字控制，操作简单。
- ◆ High stability, high precision, high durability and low noise.
- ◆ Mechanical and electrical integration, full digital control, simple operation.



采用高精度，高感应AC伺服马达传动，响应速度更加敏捷。
 Adopt high precision, high induction AC servo motor drive, more agile reponse speed.



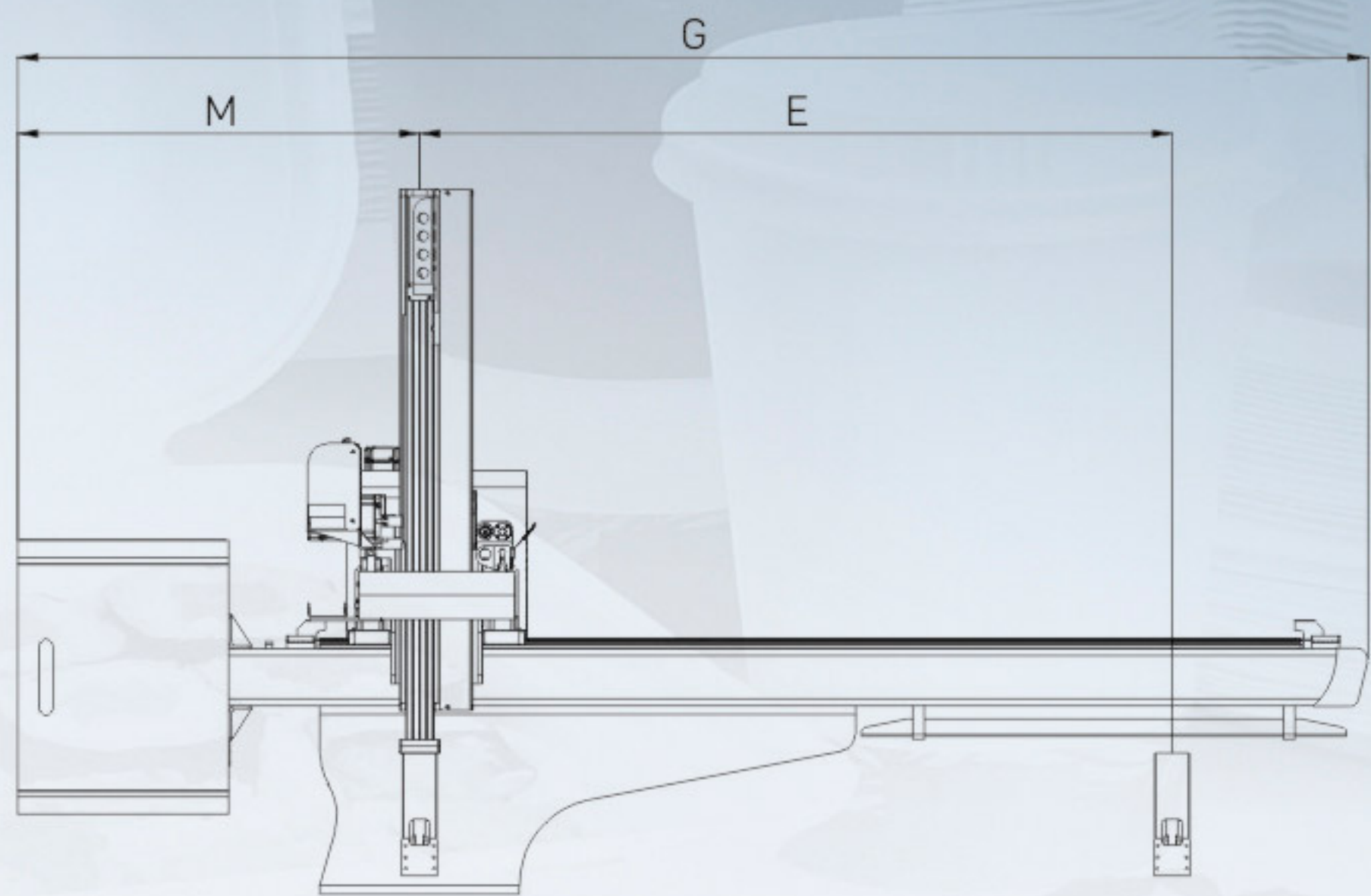
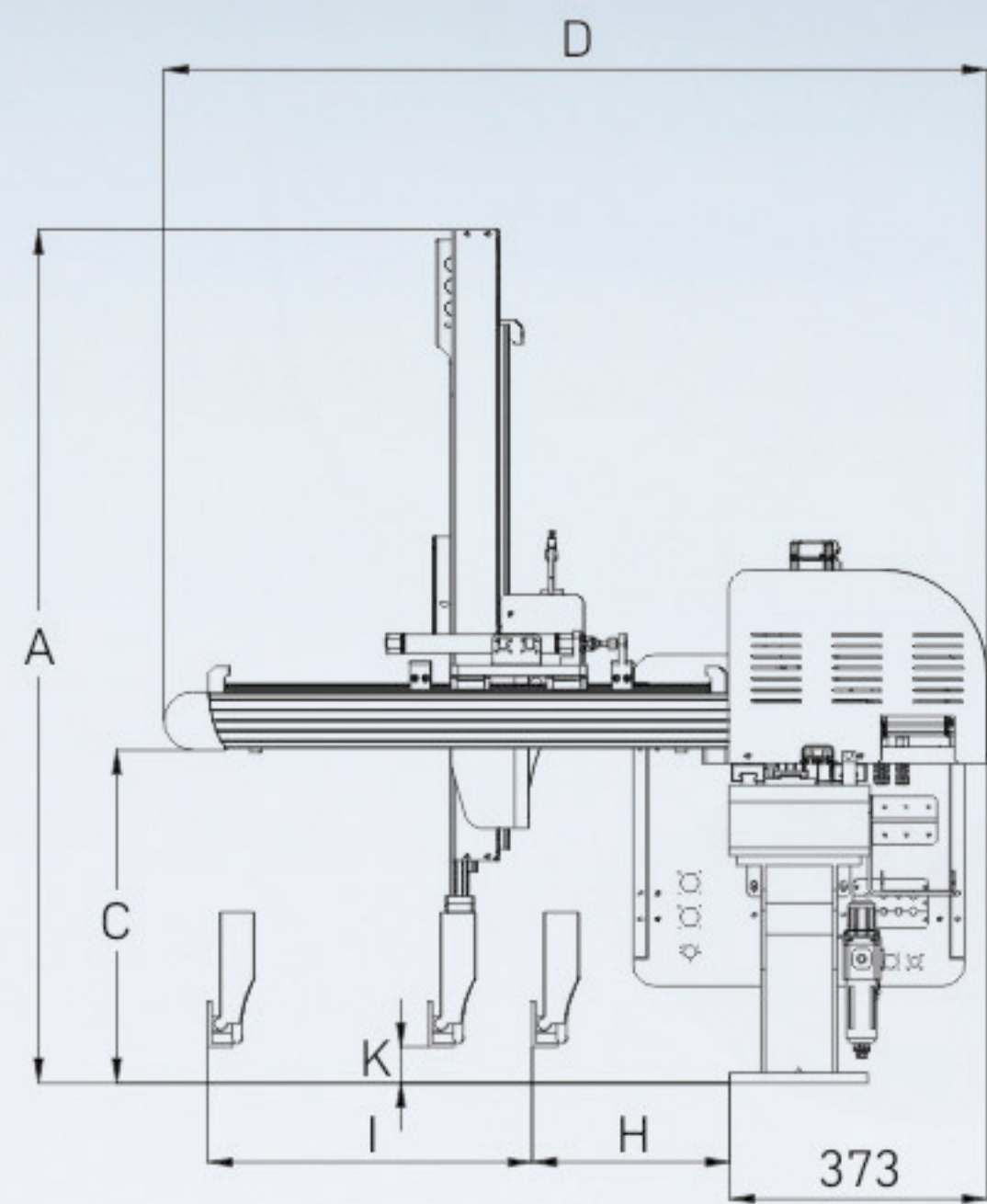
高精度滑轨，配合同步带，实现低噪音、超高速运行。
 High precision slide rail, with synchronous belt, to achieve low noise, high speed running.



配置润滑系统，减少磨损，有效提高使用寿命。
 Equipped with lubrication system to reduce wear and effectively improve service life.

二、三轴双截单臂 / 2, 3-axis single arm with double stage

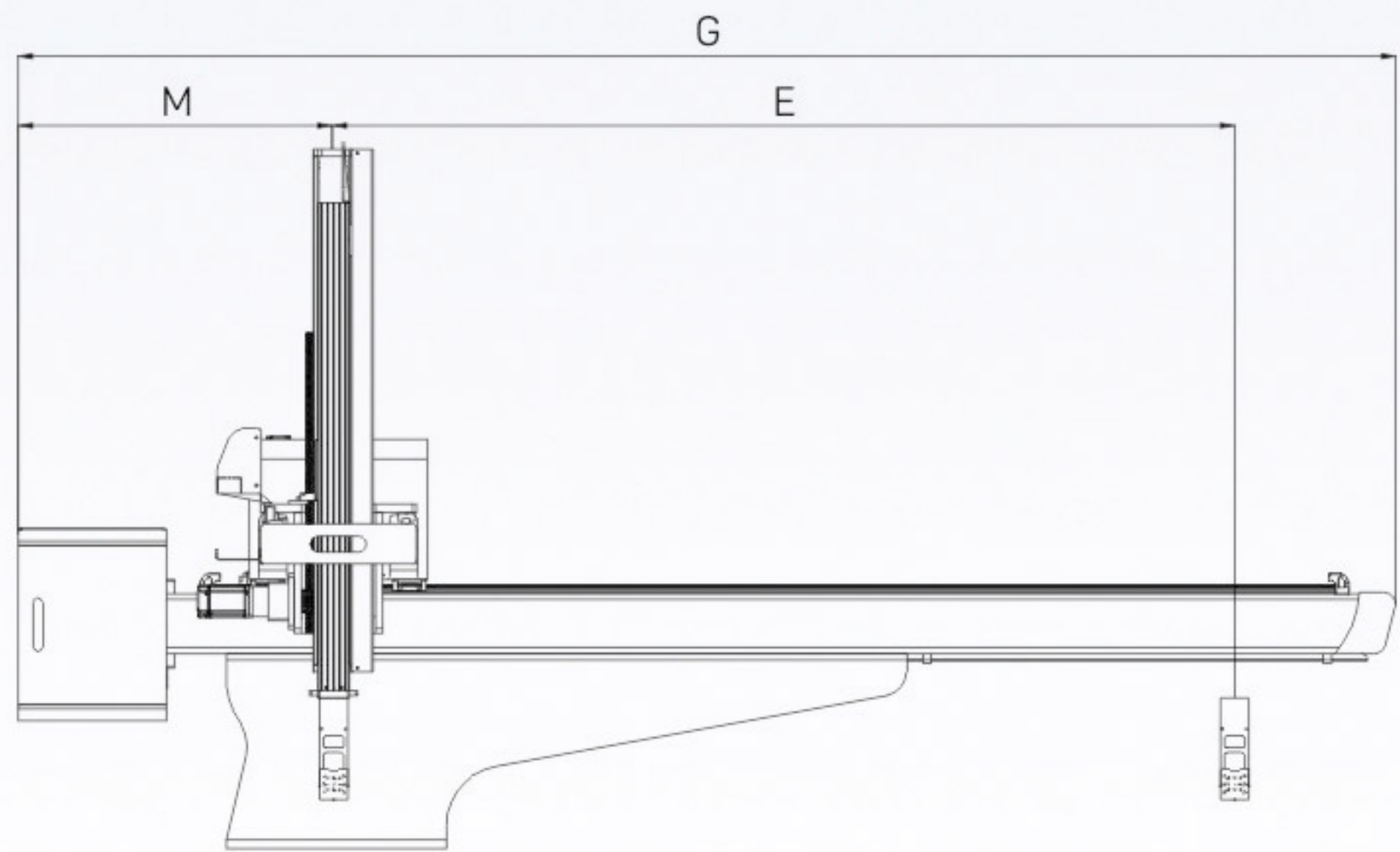
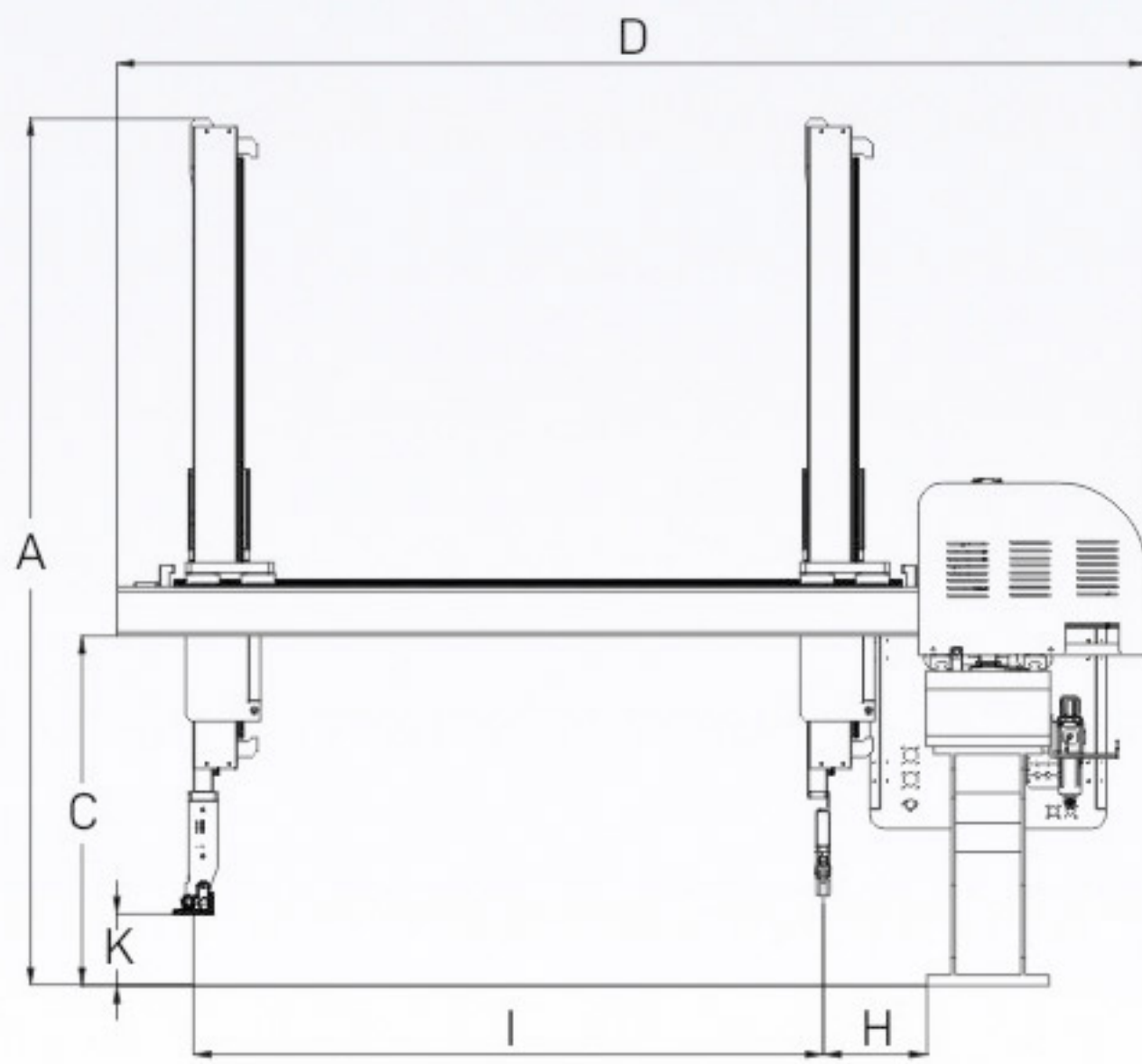
单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FK900G-WS3	1350	485	1450	1300	2375	290	700	80	700
FK1000G-WS3	1410	485	1450	1480	2555	290	700	80	700

框架三轴五轴双截 / Frame-type 3-axis, 5-axis double arm with double stage

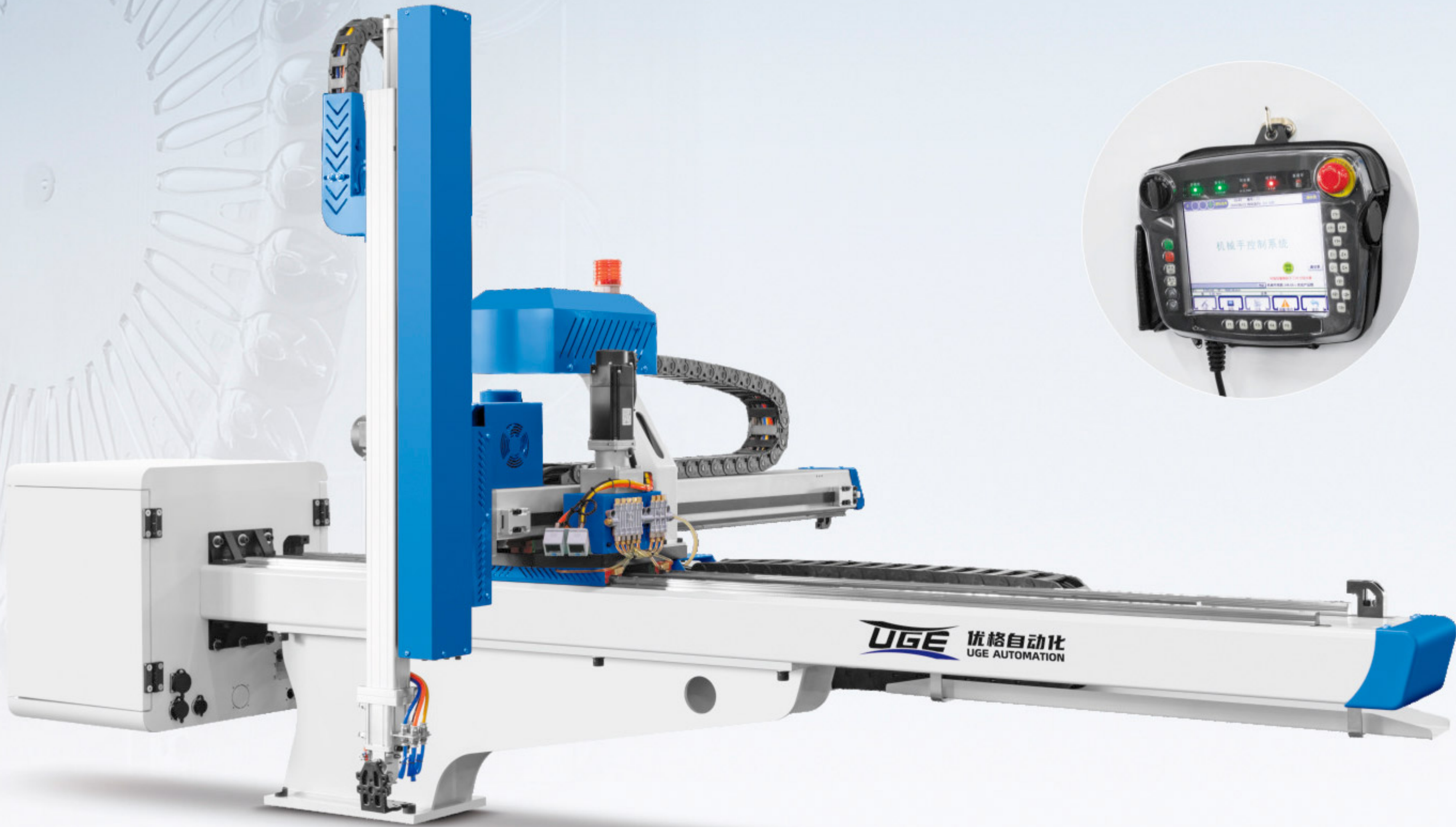
单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FK1300	1645	710	2100	1950	3140	210	1280	140	785
FK1500	1765	710	2100	2250	3440	210	1280	140	785
FK1700	1885	710	2220	2550	3740	210	1400	140	785

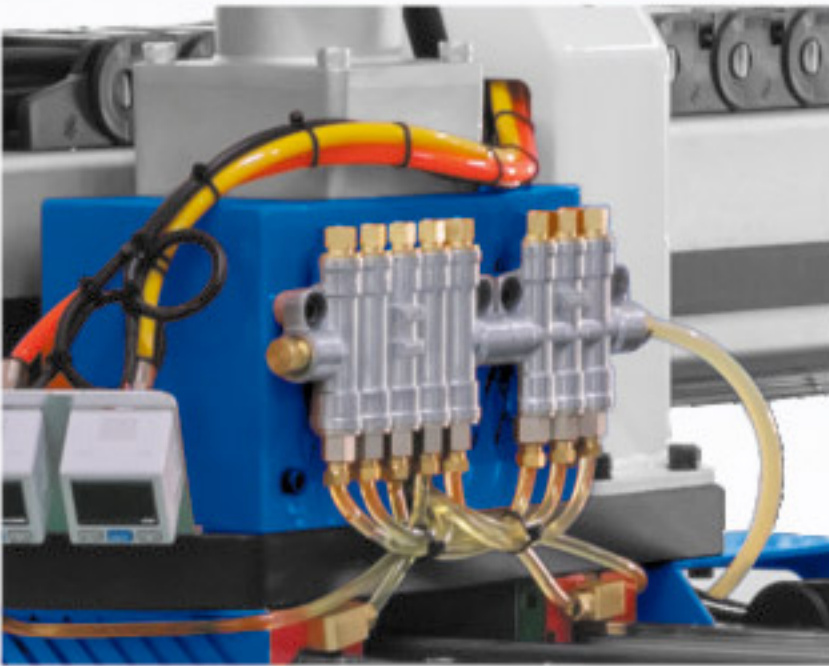
炮塔式高速机械手 Bull-type High Speed Robot

适用于薄壁产品行业，如餐盒、奶茶杯、医药、食品、化妆品等。
It is suitable for thin wall product industry, such as lunch box, milk tea cup, medicine, food, cosmetics, etc.



机械特点 / Features

- ◆ 全开放式结构布局设计便于应用，安装更加便捷，治具更具人性化，采用挂式组装，精度定位，超高速，超平稳。
- ◆ 可实现故障报警功能，最大负载3Kg，生产周期3-6秒，模内取出时间0.5-1.0秒。
- ◆ Open-structured design for easy application, easier installation, more humanized jig, using hang-type assemble, precise position, high speed, more stable.
- ◆ Fault alarm function is achievable, 3 kilograms for max. load, 3s-6s for production cycle, 0.5s-1.0s for taking products out from mould.



配置气阀，使零件运行更加润滑。
Equipped with air valve to make the parts run more lubricated.



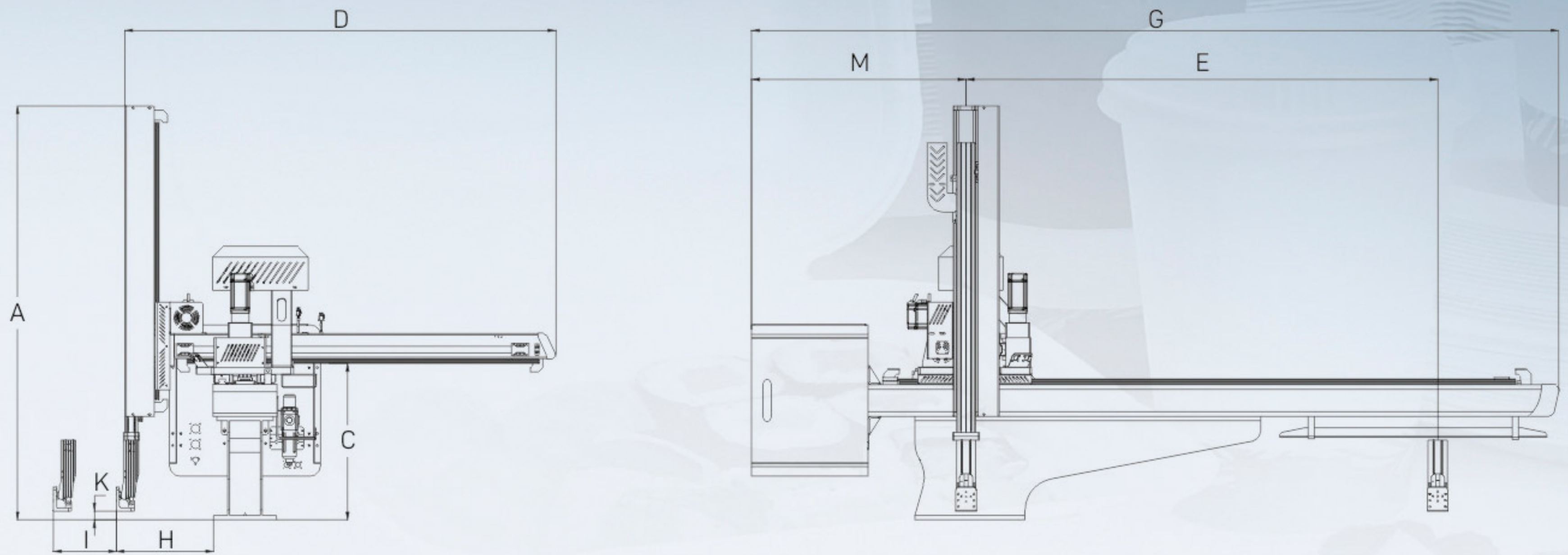
手臂与横轴采用日本三菱AC伺服马达传动，响应速度更加敏捷。
The arm and horizontal axis are driven by Mitsubishi AC servo motor, so the response speed is more agile.



日本三菱伺服控制系统
Mitsubishi servo control system

小型三轴双截单臂牛头 / Small size, 3-axis single arm with double stage

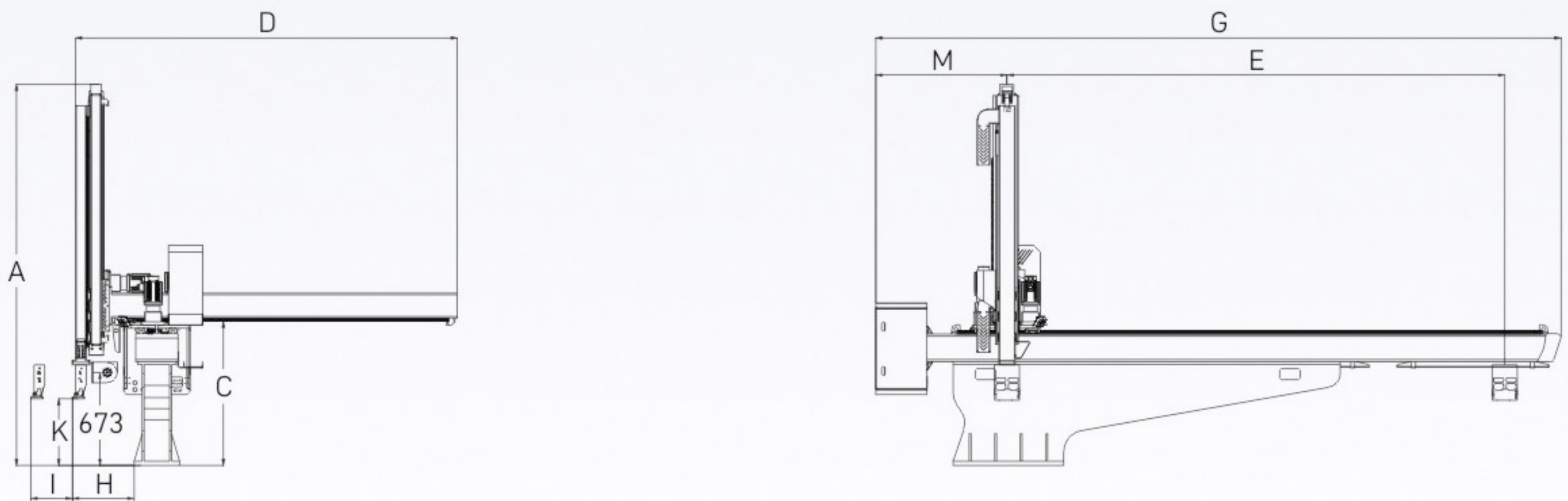
单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FN-900	1200	500	1375	1340	2400	310	750	30	680
FN-1100	1320	500	1375	1520	2580	310	750	30	680
FN-1300	1440	500	1495	1880	2940	310	870	30	680

重型三轴双截牛头 / Heavy size, 3-axis single arm with double stage

单位/Unit: mm



机型 / Model	A	C	D	E	G	H	I	K	M
FN-1300	1790	720	1710	1950	3140	300	1120	260	830
FN-1500	1910	720	1890	2250	3440	300	1300	260	830
FN-1700	1970	720	2130	2550	3740	300	1540	260	830
FN-1800	2460	1050	2465	2800	4160	460	1550	480	950
FN-2200	2640	1050	2465	3120	4480	460	1550	480	950
FN-2500	2760	1050	2765	3600	4960	460	1850	480	950
FN-3000	3000	1050	3145	4080	5440	460	2330	480	950

UGE AUTOMATION



UGE AUTOMATION

优格自动化

东莞优格自动化科技有限公司

DONGGUAN UGE AUTOMATION TECHNOLOGY CO.,LTD

地址: 广东省东莞市大朗镇高英村松仔路18号 (秦程工业园C幢. 优格自动化)

Address: (Qincheng Industrial Park.UGE Automation),No.18 Songzai Road,
Gaoying Village, Dalang, Dongguan City,Guangdong Province, China.

邮箱/Email: uge@uge-auto.com

网站/Website: www.uge-auto.com / www.usee-uge.com



USEE MOULD

台州优思塑模有限公司

TAIZHOU USEE PLASTIC MOULD CO.,LTD.

地址: 浙江省台州市黄岩澄江工业区河曲路28号

Add: No.28 Hequ Road,Chengjiang Industrial Zone,Huangyan,
Taizhou,Zhejiang,China. **P.C.:**318020

Tel: +86-576-84303602

Fax: +86-576-84303602

E-mail: info@useemould.com

URL: www.useemould.com / www.usee-uge.com

