公司总部及子公司联系方式

中国华南研发制造基地

广东拓斯达科技股份有限公司

地址：广东省东莞市大岭山镇大塘朗创新路2号
电话：86-769-8305 0999
传真：86-769-8584 5562
邮箱：marketing@topstarltd.com

South China R&D and Manufacturing Base

Guangdong Topstar Technology Co., Ltd.

ADD : No.2 Chuangxin Road, Datanglang, Dalingshan Town, Dongguan City, Guangdong Province.
TEL: 0086 769 8305 0999
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中国华东研发制造基地

江苏拓斯达机器人有限公司

地址：江苏省苏州市吴中经济开发区郭巷街道淞葭路1999号
电话：0512-8686 4305
手机：185 0156 0757

East China R&D and Manufacturing Base

Jiangsu Topstar Robot Co., Ltd.

ADD: No.1999 Songjia Road, Guoxiang Street, Wuzhong Economic Development Zone, Suzhou City, Jiangsu Province
TEL: 0512-8686 4305
MOB: 185 0156 0757

苏州拓斯达智能装备有限公司

地址：江苏省苏州市吴中经济开发区郭巷街道淞葭路1999号C栋1楼
电话：0512-5288 9310
手机：185 0156 0757

Suzhou Topstar Intelligent Equipment Co., Ltd.

ADD: 1F, Building C, No.1999 Songjia Road, Guoxiang Street, Wuzhong Economic Development Zone, Suzhou City, Jiangsu Province
TEL: 0512-5288 9310
MOB: 185 0156 0757

宁波拓晨机器人科技有限公司

地址：浙江省余姚市风山街道舜汇东路93弄
电话：86-574- 8610 5571
传真：86-574- 8610 5571
手机：137 7723 2779

Ningbo Topstar Robot Technology Co., Ltd.

ADD: Lane 93, Shunhui East Road, Fengshan Street, Yuyao City, Zhejiang Province
TEL: 86-574-8610 5571
FAX: 86-574-8610 5571
MOB: 137 7723 2779

拓斯达（越南）科技有限公司

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电话：0084-346-860 156
手机：186 0209 6307

TOPSTAR (VIETNAM) TECHNOLOGY CO.,LTD.

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TEL：0084-346-860 156
MOB：186 0209 6307

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TSDSC2023-D

TOPSTAR 拓斯达

股票代码 Stock Code 300607

机械手产品系列

INJECTION ROBOT PRODUCT SERIES

www.topstarltd.com

COMPANY PROFILE

公司简介

广东拓斯达科技股份有限公司（简称：拓斯达，股票代码：300607）成立于2007年，总部位于广东省东莞市大岭山镇，注册资本4.25亿元。

拓斯达坚持“让工业制造更美好”的企业使命，通过以工业机器人、注塑机、五轴联动数控机床（CNC）为核心的智能装备，以及控制、伺服、视觉三大核心技术，打造以核心技术驱动的智能硬件平台，为制造企业提供智能工厂整体解决方案。

公司积极布局全球市场，截至2023年6月30日，拥有国内办事处约30家，已成立拓斯达（越南）科技有限公司，并加大力度发展墨西哥业务，提升海外市场竞争力。目前公司触达客户超过20万家，已累计服务客户超过 15000家。

Guangdong Topstar Technology Co., Ltd. (abbreviation: Topstar, stock code: 300607) was established in 2007 and is headquartered in Dalingshan Town, Dongguan City, Guangdong Province with a registered capital of 425 million yuan.

Topstar adheres to the corporate mission of "making industrial manufacturing better", and creates an intelligent hardware platform driven by core technologies through intelligent equipment centered on industrial robots, injection molding machines, and five-axis CNC machines, as well as three core technologies of control, servo, and vision, to provide manufacturing enterprises with an overall smart factory solution.

Topstar is actively laying out the global market, as of 30 June 2023, it has about 30 domestic offices and has set up Topstar (Vietnam) Technology Co., Ltd. and intensified its efforts to develop the business in Mexico to enhance the competitiveness of the overseas market. So far, Topstar has reached more than 200,000 customers and has served more than 15,000 customers.

注册资本 Registered Capital	4.25 亿元	办事处近 Offices	30 家	服务客户超 Serving Customers	15000 家
授权专利 Patents	706 项	软件著作权 Software Copyright	72 项	研发技术人员近 R&D Technicians	1000 人

公司是国家高新技术企业、国家绿色工厂、广东省机器人骨干企业、广东省服务型制造示范企业、广东省首批智能机器人产业链“链主”企业、广东省智能制造生态合作伙伴、东莞市“倍增计划”试点企业、东莞数字化转型服务商企业，建有广东省企业重点实验室、广东省工程技术研究中心、广东省企业技术中心、广东省博士工作站、东莞市技师工作站等人才及科研平台、东莞市双创人才示范点。公司荣获“东莞市政府质量奖”“东莞市先进集体”“东莞市友善企业”“2022年度东莞市非公有制工业企业（集团）贡献奖”等奖项，并入选“2021中国智能制造50强”“2021广东企业500强”“2021工业机器人TOP50”“2022年广东省制造业企业500强”等榜单。

Topstar is a National High-Tech Enterprise, National Green Factory, Guangdong Provincial Robot Key Enterprise, Service-oriented manufacturing demonstration enterprise in Guangdong, The First Batch of Intelligent Robotics Industry Chain "Chain Master" Enterprises in Guangdong Province, Intelligent Manufacturing Ecological Partner of Guangdong, Dongguan "Doubling Plan" Pilot Enterprise, Dongguan Digital Transformation Service Provider Enterprise, and has built Guangdong Enterprise Key Laboratory, Guangdong Engineering Technology Research Center, Guangdong Enterprise Technology Center, Guangdong Doctoral Workstation, Dongguan Technician Workstation and other talent and scientific research platforms, Demonstration Site for innovation and entrepreneurship talents in Dongguan. The company won the "Dongguan Municipal Government Quality Award", "Dongguan Advanced Collective", "Dongguan Friendly Enterprise", "2022 Dongguan Non-public Industrial Enterprise (Group) Contribution Award" and other awards, and was selected as "2021 China's Top 50 Intelligent Manufacturing Enterprises" and "2021 Guangdong Top 500 Enterprises", "2021 Industrial robot TOP50", "Top 500 Manufacturing Enterprises in Guangdong in 2022", etc.

技术规格 Technical Specification

机种（系列） Model	注塑机(吨位) IMM(TON)	电源（V） Power Supply	最大消费电力（KW) Max Power Consumption	使用气压（MPa） Air Pressure	空气消费量（Nl/cycle） Air Consumption	驱动方式 Drive System	姿势（气缸） Posture (Air Cylinder)
EU-50S	30~150	Ac220±10% 50/60Hz	2.1	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
EU-80S III	100~220	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
EUW-80S III	100~220	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
EU-120S II	350~450	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
EUW-120S II	350~450	AC220±10% 50/60Hz	3.1	0.5~0.7	9.7	伺服马达 AC Servo Motor	90° 固定 90° Regular
MD(E)-50S IV	30~150	AC220±10% 50/60Hz	2.1	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
MD(E)-80S III	100~220	AC220±10% 50/60Hz	2.1	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
MEW(E)-80S III	100~220	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
MEW(E)-100S	100~220	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
MD(E)-120S III	350~450	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
MEW(E)-120S III	350~450	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
MDW-110S II	350~850	AC220±10% 50/60Hz	3.1	0.5~0.7	27	伺服马达 AC Servo Motor	90° 固定 90° Regular
MBW-130	550~1300	AC220±10% 50/60Hz	2.3	0.5~0.7	24	伺服马达 AC Servo Motor	90° 固定 90° Regular
MBW-170	850~1600	AC220±10% 50/60Hz	2.4	0.5~0.7	26	伺服马达 AC Servo Motor	90° 固定 90° Regular
MBW-200 III	1600~4000	AC380±10% 50/60Hz	4.5	0.5~0.7	48	伺服马达 AC Servo Motor	90° 固定 90° Regular
TMDE-80S	100~220	AC220±10% 50/60Hz	2.1	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
TMEWE-80S	100~220	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
TMDE-120S	350~450	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
TMEWE-120S	350~450	AC220±10% 50/60Hz	2.8	0.5~0.7	2.9	伺服马达 AC Servo Motor	90° 固定 90° Regular
HDW-80 II	100~220	AC220±10% 50/60Hz	2	0.5~0.7	8	伺服马达 AC Servo Motor	90° 固定 90° Regular
AD-80S IV	100~220	AC220±10% 50/60Hz	0.45	0.5~0.7	23.9	伺服+气缸 AC Servo Motor	90° 固定 90° Regular
ADW-80S IV	100~220	AC220±10% 50/60Hz	0.45	0.5~0.7	23.7	伺服+气缸 AC Servo Motor	90° 固定 90° Regular
L-650V	80~150	AC220±10% 50/60Hz	0.1	0.5~0.7	15.1	气缸 AC Servo Motor	-
X-650V	80~150	AC220±10% 50/60Hz	0.1	0.5~0.7	17.7	气缸 AC Servo Motor	-

技术规格 Technical Specification

机种（系列） Model	最大可搬重量（KW) Max.Load	姿势力矩（N.M） Posture Torque	主臂上下（mm） Main-arm Vertical	副臂上下（mm） Sub-arm Vertical	前后（mm） Crosswise	走行（mm） Traverse	本体重量（KG） Net Weight
EU-50S	3	13.2	600	600	270~580	1200	110~140
EU-80S III	6	13.2	800/900	850/950	365~900	1400/1600	260~300
EUW-80S III	6	13.2	900/1000	950/1050	385~865	1600	260~310
EU-120S II	8	20.6	1200	1250	415~1200	1800	510~570
EUW-120S II	8	20.6	1200/1400	1250/1450	375~1150	1800	500~560
MD(E)-50S IV	3	13.2	600	600	300~600	1200	170~210
MD(E)-80S III	5	13.2	800/900	850/950	360~780	1400/1600	210~250
MEW(E)-80S III	5	13.2	900	950	290~740	1400/1600	210~250
MEW(E)-100S	8	13.2	1000	1050	370~840	1600	360~400
MD(E)-120S III	5	13.2	1200	1250	375~1050	1800	300~350
MEW(E)-120S III	8	13.2	1200/1400	1250/1450	400~1020	1800	450~500
MDW-110S II	10	49.9	1100/1500/1700	1150/1550	340~1300	2000/2500	590~660
MBW-130	15	-	1300/1500	-	270~1280	2000/2500	850~880
MBW-170	20	-	1700/2000	-	275~1875	2500/3000	1245~1380
MBW-200 III	50	181.4	2000/2500/3000	-	460~2300	3000/3500	1820~1900
TMDE-80S	4	6.0	800/900/1000	800/900/1000	285~760	1400/1600	190~210
TMEWE-80S	4	6.0	900/1000	900/1000	280~740	1400/1600	190~220
TMDE-120S	5	13.2	1200	1200	280~960	1800	230~250
TMEWE-120S	6	13.2	1200/1400	1200/1400	340~950	1800	250~280
HDW-80 II	3	6.0	800	-	180~680	1600	270~290
AD-80S IV	3	6.0	800	800	主臂300/副臂150 Main-arm/Sub-arm	1400	210~230
ADW-80S IV	3	6.0	800/900/1000	800/900/1000	主臂300/副臂150 Main-arm/Sub-arm	1400/1600	270~320
L-650V	2	-	120	-	650	-	30
X-650V	2	-	650	-	120	-	52

EU-50
EU-50S

注塑机锁模力 Injection Press Range
30-150 ton

高精度 High precision
高性能 High performance
高速度 High speed
高节能效果 High energy-saving effect
拓星链应用平台 Topstar link application platform

高精度 High precision

- 新增振动抑制功能，对插件成型等需要高精度取出的成型非常适合；
- 前后使用齿轮齿条啮合传动，定位精度更高。

- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 采用大缸径气缸，推力更大，负载提升20%，更大型零件搬运；
- 标配4吸4抱功能，预留11个输入11个输出。

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 轻质铝合金手臂，整机减20个结构部件，减轻重量20%；
- 主臂轻质高强度A6061材质，提升整体运行性能；
- 最高转速提升10%，加减速时间缩减20%。

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
- Main arm with lightweight and high-strength A6061 material to improve the overall operating performance.
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

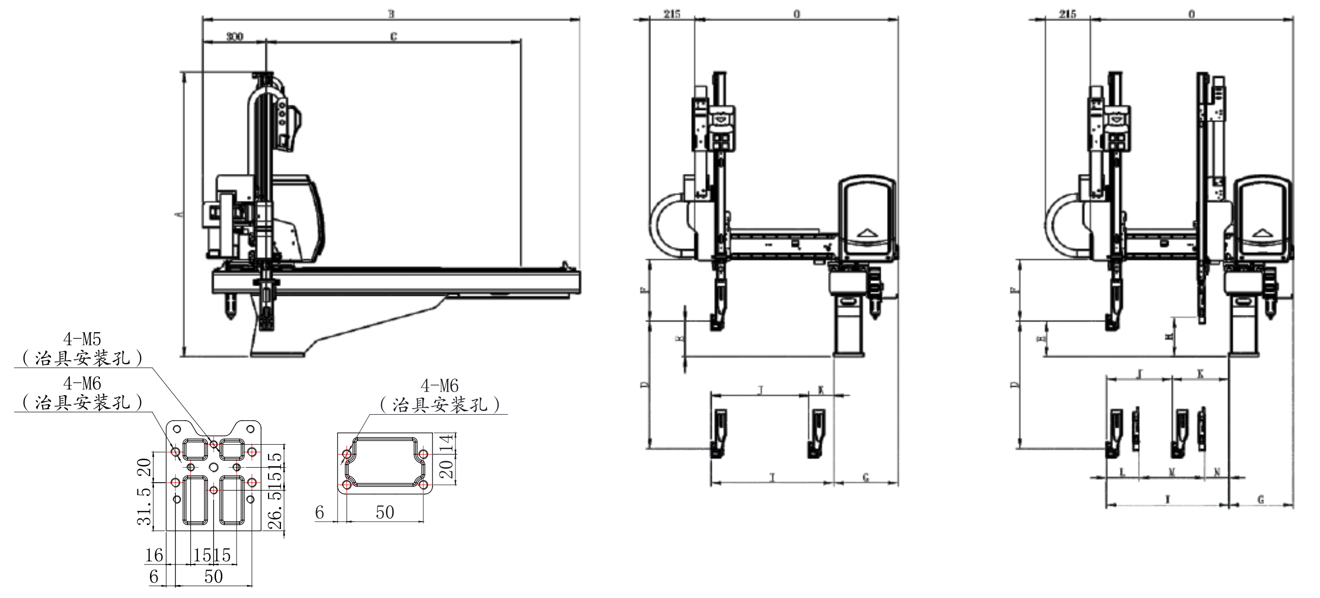
- 实时远程监控，设备运行数据统计、分析及寿命管理。

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间（不含治具） Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
EU-50-60-57-12TR	AC220 ±10% 50/60HZ	1.3	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90°	3	0.1	1.3	5.6	13.2	110~130
EU-50S-60-57-12TR		2.1	0.5~0.7	2.9			3	0.1	1.3	5.6	13.2	120~140

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		EU-50-60	
		EU-50-60-57-12TR	EU-50s-60-57-12TR
A	总高 Total height	1350	1350
B	总长 Total length	1750	1750
C	走行行程 Traverse stroke	1200	1200
D	主臂上下行程 Main arm vertical stroke	600	600
E	主臂上下待机 Main arm standby height	150	150
F	夹具安装有效空间 Effective space for jig mounting	285	285
G	基座里侧面-箱体末端 Base internal side to end of the box	255	255
H	副臂上下待机 Sub-arm vertical standby	-	195
I	主臂前进最大值 Main arm max. fwd. movement	580	580
J	主臂前进最大行程 Main arm max. crosswise stroke	460	310
K	主臂前后待机最小值 Main arm min. crosswise standby	120	270
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	145
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	310
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	150
O	前后臂末端-箱体末端 Crosswise end to box end	1095	1095
P	手臂下降后最小高度 Min. height of arm after descending	910	910
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5	
	治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x50，4xM6	

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
EU-50-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-50S-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

3/5 轴伺服 3/5 Axis AC Servo

EU-80 III
EU-80S III

注塑机锁模力 Injection Press Range

100-220 ton

高精度 High precision

高性能 High performance

高速度 High speed

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- 内置双系统客户自由选择；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 采用大缸径气缸，推力更大，负载提升20%，更大型零件搬运；
- 标配4吸4抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
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- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
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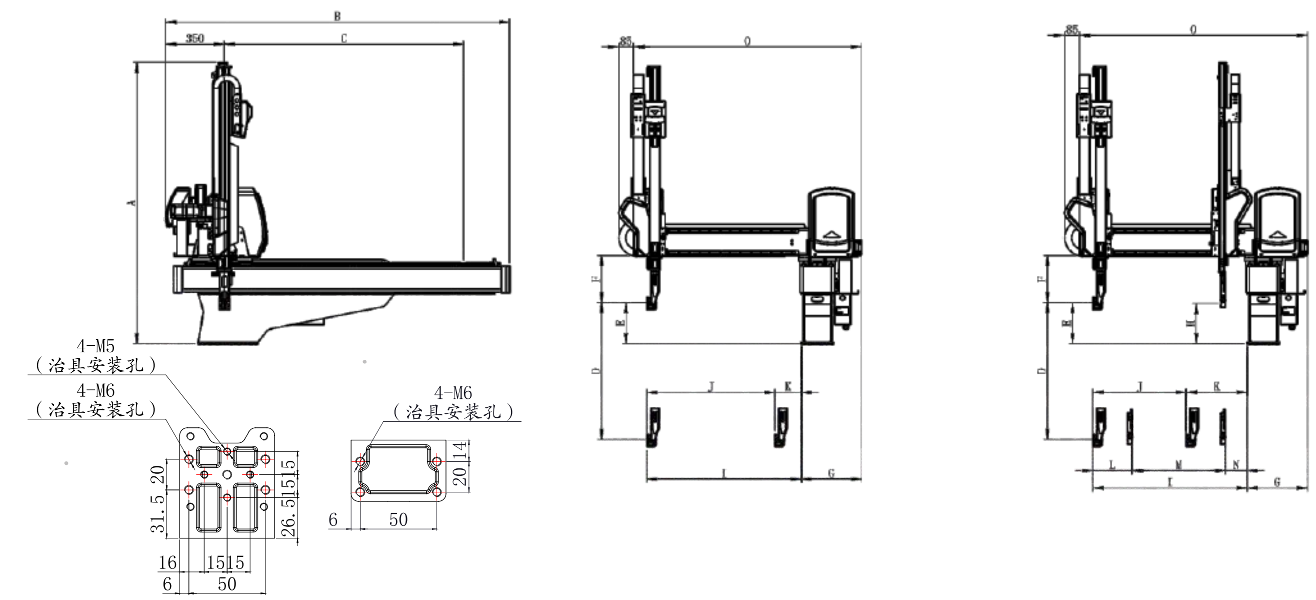
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
EU-80 III-80-92-14TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	伺服马达 AC Servo Motor	90°	6	0.01	1.5	5.8	13.2	260~280
EU-80 III-90-92-16TR		2	0.5~0.7	2.9			6	0.01	1.5	5.8	13.2	270~290
EU-80S III-80-92-14TR		2.8	0.5~0.7	2.9			6	0.01	1.5	5.8	13.2	270~290
EU-80S III-90-92-16TR		2.8	0.5~0.7	2.9			6	0.01	1.5	5.8	13.2	280~300

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		EU-80 III-80		EU-80 III-90	
		EU-80 III-80-92-14TR	EU-80S III-80-92-14TR	EU-80 III-90-92-16TR	EU-80S III-90-92-16TR
A	总高 Total height	1650	1650	1770	1770
B	总长 Total length	2060	2060	2240	2240
C	走行行程 Traverse stroke	1400	1400	1600	1600
D	主臂上下行程 Main arm vertical stroke	800	800	900	900
E	主臂上下待机 Main arm standby height	225	225	225	225
F	夹具安装有效空间 Effective space for jig mounting	280	280	280	280
G	基座里侧面-箱体末端 Base internal side to end of the box	395	395	395	395
H	副臂上下待机 Sub-arm vertical standby	-	255	-	255
I	主臂前进最大值 Main arm max. fwd. movement	900	900	900	900
J	主臂前进最大行程 Main arm max. crosswise stroke	750	585	750	585
K	主臂前后待机最小值 Main arm min. crosswise standby	150	365	150	365
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	230	-	230
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	585	-	585
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	135	-	135
O	前后臂末端-箱体末端 Crosswise end to box end	1375	1375	1375	1375
P	手臂下降后最小高度 Min. height of arm after descending	1100	1100	1100	1100
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5			
	定模面 Fixed platen	20x50，4xM6			

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处）Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型）Internal memory (for Max 100 molds)	2国语言切换（中文，英文）Two language exchange (Chinese/ English)	Nt剪切 · 可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
EU-80 III-80-92-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-80 III-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-80S III-80-92-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-80S III-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

EUW-80 III
EUW-80S III

注塑机锁模力 Injection Press Range
100-220 ton

高精度 High precision

高性能 High performance

高速度 High speed

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高精度 High precision

- 新增振动抑制功能，对插件成型等需要高精度取出的成型非常适合;
- 前后使用齿轮齿条啮合传动，定位精度更高。

- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制;
- 内置双系统客户自由选择;
- 标配RS485通讯接口，支持MODBUS RTU通讯协议;
- 采用大缸径气缸，推力更大，负载提升20%，更大型零件搬运;
- 标配4吸4抱功能，预留11个输入11个输出。

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 轻质铝合金手臂，整机减20个结构部件，减轻重量20%;
- 主臂轻质高强度A6061材质，提升整体运行性能;
- 最高转速提升10%，加减速时间缩减20%。

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
- Main arm with lightweight and high-strength A6061 material to improve the overall operating performance.
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%;
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。

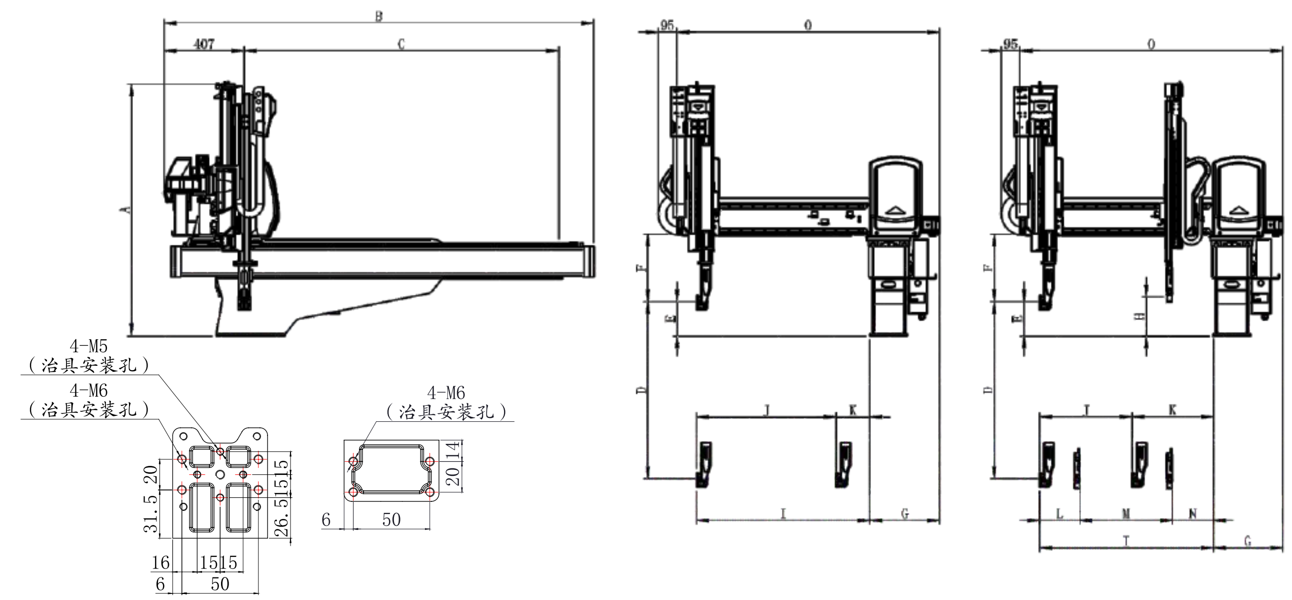
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
EUW-80 III-90-92-16TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90°	6	0.01	2	7.2	13.2	260~280
EUW-80 III-100-92-16TR		2	0.5~0.7	2.9			6	0.01	2	7.2	13.2	270~290
EUW-80S III-90-92-16TR		2.8	0.5~0.7	2.9			6	0.01	2	7.2	13.2	280~300
EUW-80S III-100-92-16TR		2.8	0.5~0.7	2.9			6	0.01	2	7.2	13.2	290~310

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位: mm Unit: mm / 机型 Model		EUW-80 III-90		EUW-80 III-100	
		EUW-80 III-90-92-16TR	EUW-80S III-90-92-16TR	EUW-80 III-100-92-16TR	EUW-80S III-100-92-16TR
A	总高 Total height	1310	1310	1370	1370
B	总长 Total length	2240	2240	2240	2240
C	走行行程 Traverse stroke	1600	1600	1600	1600
D	主臂上下行程 Main arm vertical stroke	900	900	1000	1000
E	主臂上下待机 Main arm standby height	160	160	160	160
F	夹具安装有效空间 Effective space for jig mounting	360	360	360	360
G	基座里侧面-箱体末端 Base internal side to end of the box	420	420	420	420
H	副臂上下待机 Sub-arm vertical standby	-	160	-	160
I	主臂前进最大值 Main arm max. fwd. movement	865	865	865	865
J	主臂前进最大行程 Main arm max. crosswise stroke	690	480	690	480
K	主臂前后待机最小值 Main arm min. crosswise standby	175	385	175	385
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	210	-	210
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	480	-	480
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	110	-	110
O	前后臂末端-箱体末端 Crosswise end to box end	1290	1290	1290	1290
P	手臂下降后最小高度 Min. height of arm after descending	950	950	950	950
Q	治具安装尺寸 Jig mounting dimension / 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5			
	定模面 Fixed platen	20x50，4xM6			

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
EUW-80 III-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-80 III-100-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-80S III-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-80S III-100-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

EU-120 II
EU-120S II

注塑机锁模力 Injection Press Range
350-450 ton

高精度 High precision
高性能 High performance
高速度 High speed
高节能效果 High energy-saving effect
拓星链应用平台 Topstar link application platform

高精度 High precision

- 新增振动抑制功能，对插件成型等需要高精度取出的成型非常适合；
- 前后使用齿轮齿条啮合传动，定位精度更高。
- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 采用大缸径气缸，推力更大，负载提升20%，更大型零件搬运；
- 标配4吸4抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 轻质铝合金手臂，整机减20个结构部件，减轻重量20%；
- 主臂轻质高强度A6061材质，提升整体运行性能；
- 最高转速提升10%，加减速时间缩减20%。
- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
- Main arm with lightweight and high-strength A6061 material to improve the overall operating performance.
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

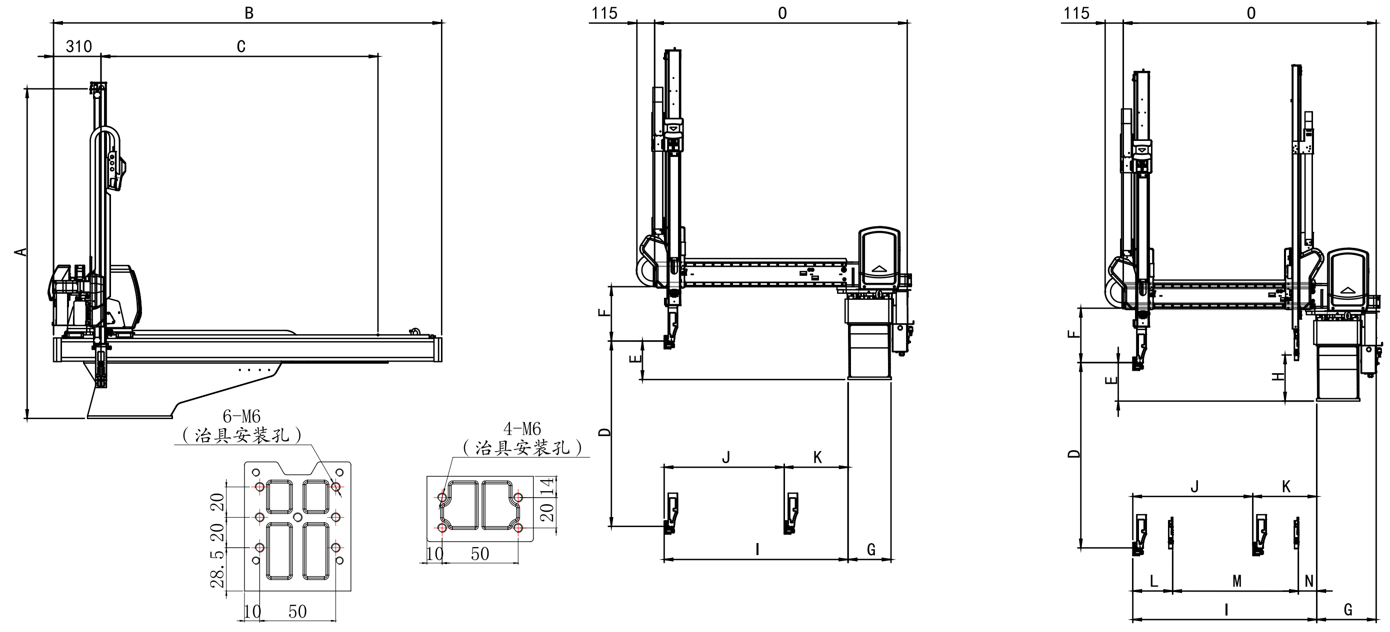
- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
EU-120 II-120-120-18TR	AC220 ±10% 50/60HZ	2	0.5~0.7	3.6	伺服马达 / AC Servo Motor	90°	8	0.01	2.8	8.3	20.6	510~530
EU-120S II-120-120-18TR		2.8	0.5~0.7	3.6			8	0.01	2.8	8.3	20.6	550~570

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位：mm Unit: mm	机型 Model	EU-120 II-120	
		EU-120 II-120-120-18TR	EU-120S II-120-120-18TR
A	总高 Total height	2140	2180
B	总长 Total length	2470	2470
C	走行行程 Traverse stroke	1800	1800
D	主臂上下行程 Main arm vertical stroke	1200	1200
E	主臂上下待机 Main arm standby height	250	250
F	夹具安装有效空间 Effective space for jig mounting	350	350
G	基座里侧面-箱体末端 Base internal side to end of the box	280	280
H	副臂上下待机 Sub-arm vertical standby	-	300
I	主臂前进最大值 Main arm max. fwd. movement	1200	1200
J	主臂前进最大行程 Main arm max. crosswise stroke	1020	780
K	主臂前后待机最小值 Main arm min. crosswise standby	175	415
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	260
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	820
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	120
O	前后臂末端-箱体末端 Crosswise end to box end	1640	1640
P	手臂下降后最小高度 Min. height of arm after descending	1360	1360
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x50，6xM6	
	定模面 Fixed platen	20x50，4xM6	

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处）Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型）Internal memory (for Max 100 molds)	2国语言切换（中文，英文）Two language exchange (Chinese/ English)	Nt剪切 · 可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
EU-120 II-120-120-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-120S II-120-120-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

EUW-120 II
EUW-120S II

注塑机锁模力 Injection Press Range
350-400 ton

高精度 High precision

高性能 High performance

高速度 High speed

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高精度 High precision

- 新增振动抑制功能，对插件成型等需要高精度取出的成型非常适合；
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高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 采用大缸径气缸，推力更大，负载提升20%，更大型零件搬运；
- 标配4吸4抱功能，预留11个输入11个输出。

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- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 轻质铝合金手臂，整机减20个结构部件，减轻重量20%；
- 主臂轻质高强度A6061材质，提升整体运行性能；
- 最高转速提升10%，加减速时间缩减20%。

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
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- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。

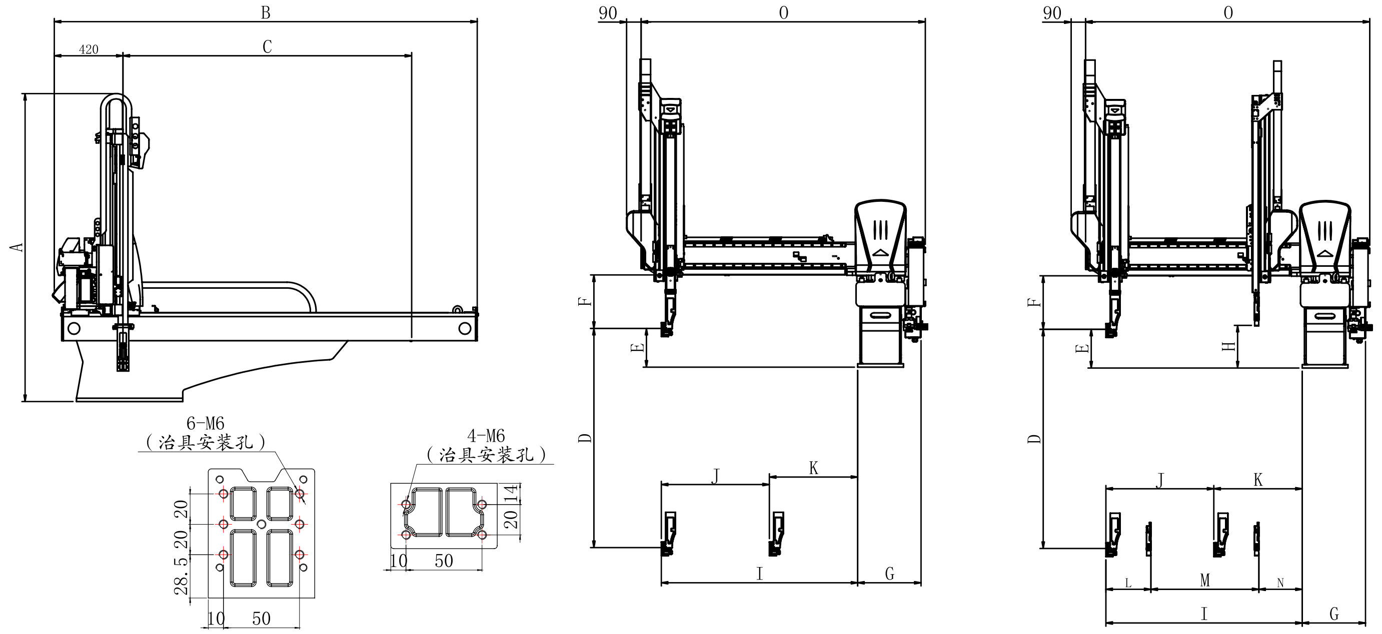
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
EUW-120 II-120-115-18TR	AC220 ±10% 50/60HZ	2	0.5~0.7	9.7	伺服马达 / AC Servo Motor	90°	8	0.01	3	8.5	20.6	500~510
EUW-120 II-140-115-18TR		2	0.5~0.7	9.7			8	0.01	3	8.5	20.6	510~520
EUW-120S II-120-115-18TR		3.1	0.5~0.7	9.7			8	0.01	3	8.5	20.6	540~550
EUW-120S II-140-115-P/N-18TR		3.1	0.5~0.7	9.7			8	0.01	3	8.5	20.6	550~560

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		EUW-120 II-120		EUW-120 II-140	
		EUW-120 II-120-115-18TR	EUW-120S II-120-115-18TR	EUW-120 II-140-115-18TR	EUW-120S II-140-115-18TR
A	总高 Total height	1735	1735	1855	1855
B	总长 Total length	2470	2470	2470	2470
C	走行行程 Traverse stroke	1800	1800	1800	1800
D	主臂上下行程 Main arm vertical stroke	1200	1200	1400	1400
E	主臂上下待机 Main arm standby height	235	235	235	235
F	夹具安装有效空间 Effective space for jig mounting	370	370	370	370
G	基座里侧面-箱体末端 Base internal side to end of the box	410	410	410	410
H	副臂上下待机 Sub-arm vertical standby	-	285	-	285
I	主臂前进最大值 Main arm max. fwd. movement	1150	1150	1150	1150
J	主臂前进最大行程 Main arm max. crosswise stroke	980	780	980	780
K	主臂前后待机最小值 Main arm min. crosswise standby	175	375	175	375
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	205	-	205
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	780	-	780
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	170	-	170
O	前后臂末端-箱体末端 Crosswise end to box end	1675	1675	1675	1675
P	手臂下降后最小高度 Min. height of arm after descending	1505	1505	1505	1505
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x50，6xM6			
	治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x50，4xM6			

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
EUW-120 II-120-115-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-120 II-140-115-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-120S II-120-115-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-120S II-140-115-P/N-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

MD(E)-50 IV
MD(E)-50S IV

注塑机锁模力 Injection Press Range

30-150 ton

高精度 High precision

高性能 High performance

高速度 High speed

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 可选配进口多摩川马达（转速可达6000r/min）；
- 最高转速提升10%，加减速时间缩减20%。
- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

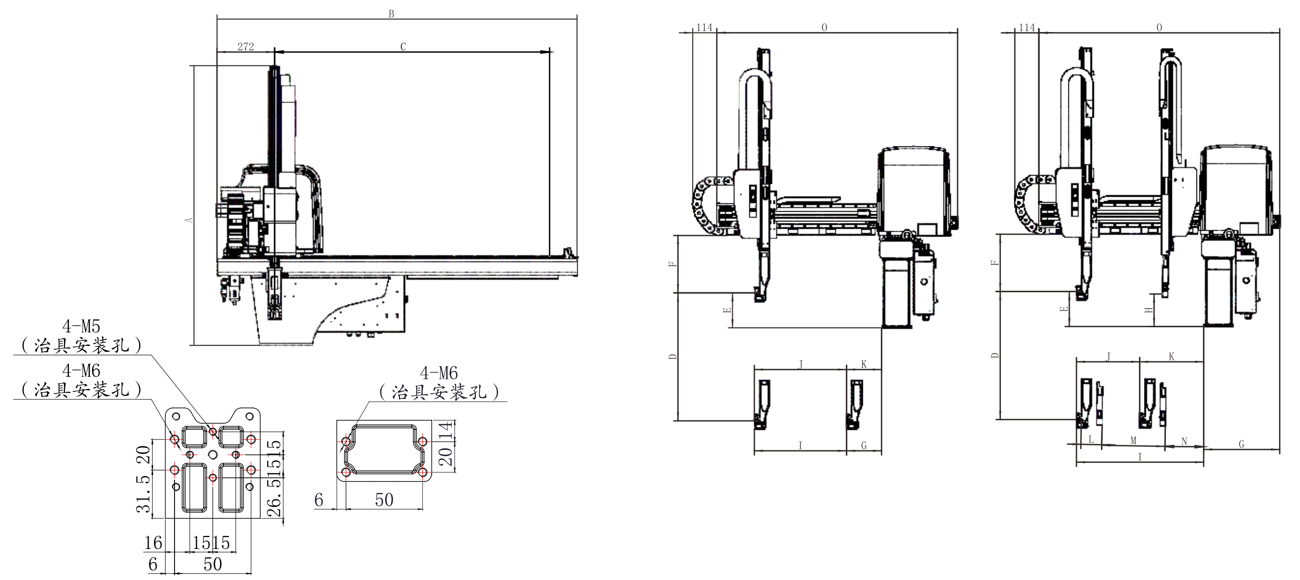
- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MD-50 IV-60-55-12TR	AC220 ±10% 50/60HZ	1.3	0.5~0.7	3.6	伺服马达 / AC Servo Motor	90°	3	0.05	2	6	13.2	170~190
MD-50S IV-60-55-12TR		2.1	0.5~0.7	3.6			3	0.05	2	6	13.2	190~210

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		MD-50S IV-60	
		MD-50 IV-60-55-12TR	MD-50S IV-60-55-12TR
A	总高 Total height	1345	1345
B	总长 Total length	1700	1700
C	走行行程 Traverse stroke	1200	1200
D	主臂上下行程 Main arm vertical stroke	600	600
E	主臂上下待机 Main arm standby height	255	255
F	夹具安装有效空间 Effective space for jig mounting	270	270
G	基座里侧面-箱体末端 Base internal side to end of the box	360	360
H	副臂上下待机 Sub-arm vertical standby	-	255
I	主臂前进最大值 Main arm max. fwd. movement	601	601
J	主臂前进最大行程 Main arm max. crosswise stroke	436	299
K	主臂前后待机最小值 Main arm min. crosswise standby	165	302
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	117
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	299
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	186
O	前后臂末端-箱体末端 Crosswise end to box end	1138	1138
P	手臂下降后最小高度 Min. height of arm after descending	860	860
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5	
Q	治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x50，4xM6	

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MD-50 IV-60-55-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MD-50S IV-60-55-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

MD(E)-80 III
MD(E)-80S III

注塑机锁模力 Injection Press Range
100-220 ton

高精度 High precision
高性能 High performance
高速度 High speed
高节能效果 High energy-saving effect
拓星链应用平台 Topstar link application platform

高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 可选配进口多摩川马达（转速可达6000r/min)；
- 最高转速提升10%，加减速时间缩减20%。
- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
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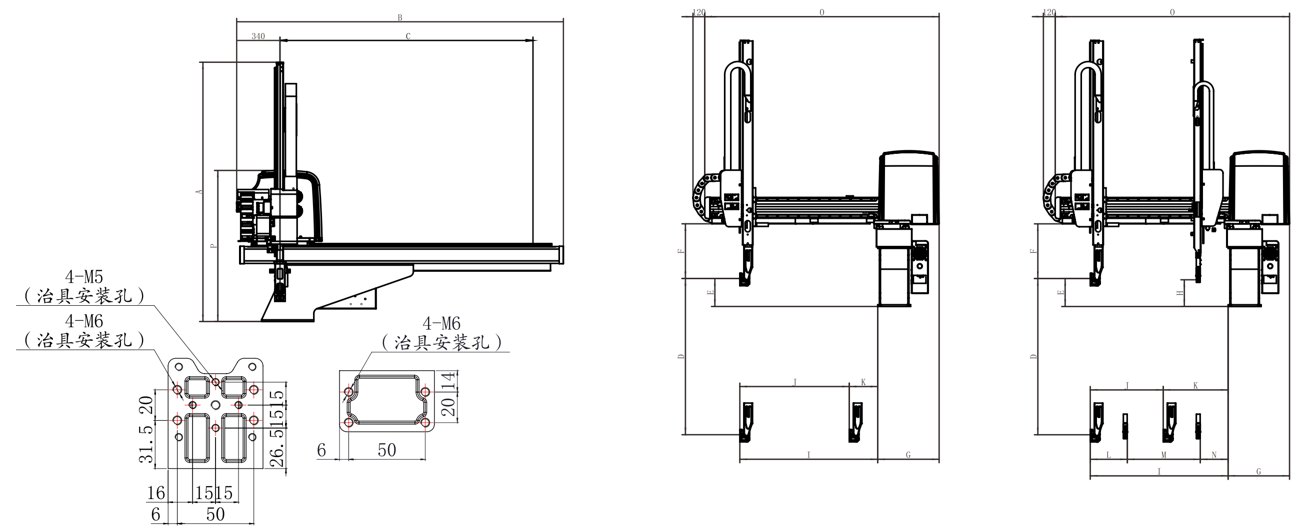
拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MD-80 III-80-79-14TR	AC220 ±10% 50/60HZ	1.3	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90°	5	0.05	2	6.8	13.2	210~230
MD-80 III-90-79-16TR		1.3	0.5~0.7	2.9			5	0.05	2	6.8	13.2	210~230
MD-80S III-80-79-14TR		2.1	0.5~0.7	2.9			5	0.05	2	6.8	13.2	230~250
MD-80S III-90-79-16TR		2.1	0.5~0.7	2.9			5	0.05	2	6.8	13.2	230~250

外形尺寸 Outer dimensions



单位：mm Unit: mm	机型 Model	MD-80 III-80		MD-80 III-90	
		MD-80 III-80-79-14TR	MD-80S III-80-79-14TR	MD-80 III-90-79-16TR	MD-80S III-90-79-16TR
A	总高 Total height	1550	1610	1670	1730
B	总长 Total length	1930	1930	2110	2110
C	走行行程 Traverse stroke	1400	1400	1600	1600
D	主臂上下行程 Main arm vertical stroke	800	800	900	900
E	主臂上下待机 Main arm standby height	145	145	145	145
F	夹具安装有效空间 Effective space for jig mounting	350	350	350	350
G	基座里侧面-箱体末端 Base internal side to end of the box	410	410	410	410
H	副臂上下待机 Sub-arm vertical standby	-	180	-	180
I	主臂前进最大值 Main arm max. fwd. movement	780	780	780	780
J	主臂前进最大行程 Main arm max. crosswise stroke	630	420	630	420
K	主臂前后待机最小值 Main arm min. crosswise standby	120	360	120	360
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	200	-	200
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	420	-	420
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	140	-	140
O	前后臂末端-箱体末端 Crosswise end to box end	1405	1405	1405	1405
P	手臂下降后最小高度 Min. height of arm after descending	905	905	905	905
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5			
	定模面 Fixed platen	20x50，4xM6			

注：正反向尺寸一致 Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MD-80 III-80-79-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MD-80 III-90-79-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MD-80S III-80-79-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MD-80S III-90-79-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

MEW(E)-80 III
MEW(E)-80S III

注塑机锁模力 Injection Press Range
100-220 ton

高精度 High precision
高性能 High performance
高速度 High speed
高节能效果 High energy-saving effect
拓星链应用平台 Topstar link application platform

高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
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- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
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拓星链应用平台 Topstar link application platform

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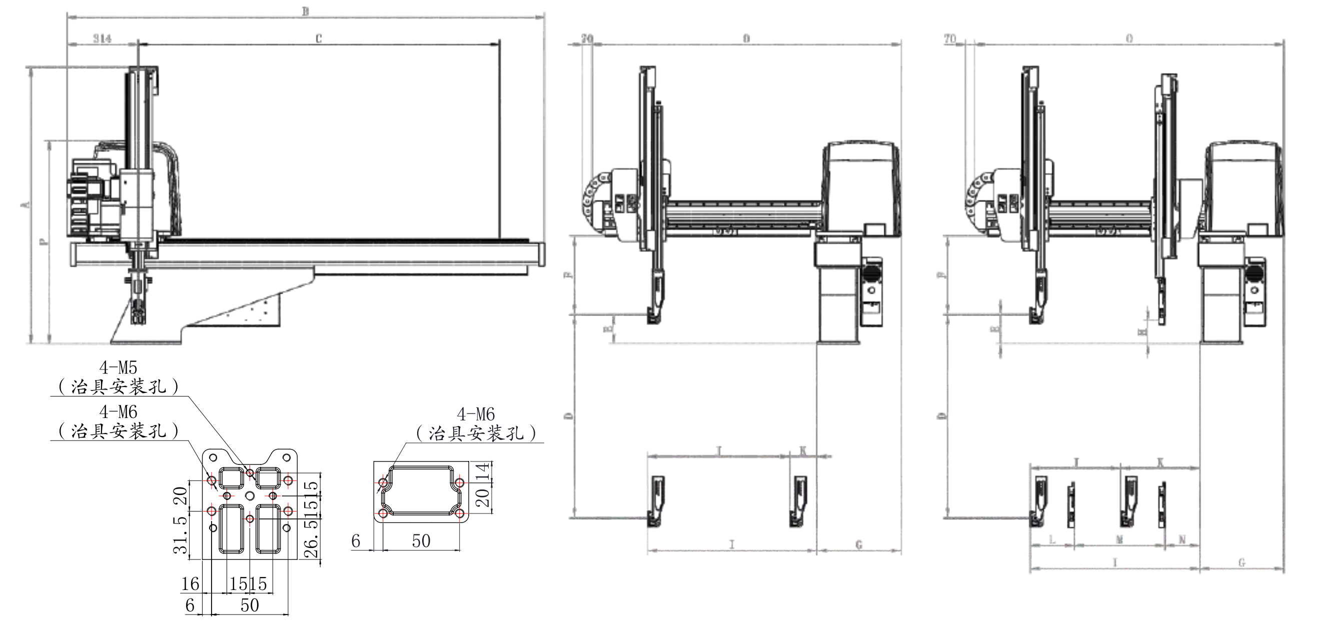
机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MEW-80 III-90-74-14TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90°	5	0.05	2	6.8	13.2	210~230
MEW-80 III-90-74-16TR		2	0.5~0.7	2.9			5	0.05	2	6.8	13.2	210~230
MEW-80S III-90-74-14TR		2.8	0.5~0.7	2.9			5	0.05	2	6.8	13.2	230~250
MEW-80S III-90-74-16TR		2.8	0.5~0.7	2.9			5	0.05	2	6.8	13.2	230~250

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		MEW-80 III-90	
		MEW-80 III-90-74-14TR	MEW-80S III-90-74-14TR
A	总高 Total height	1330	1330
B	总长 Total length	1930/2110	1930/2110
C	走行行程 Traverse stroke	1400/1600	1400/1600
D	主臂上下行程 Main arm vertical stroke	900	900
E	主臂上下待机 Main arm standby height	150	150
F	夹具安装有效空间 Effective space for jig mounting	335	335
G	基座里侧面-箱体末端 Base internal side to end of the box	400	400
H	副臂上下待机 Sub-arm vertical standby	-	150
I	主臂前进最大值 Main arm max. fwd. movement	740	740
J	主臂前进最大行程 Main arm max. crosswise stroke	630	400
K	主臂前后待机最小值 Main arm min. crosswise standby	100	290
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	170
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	400
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	195
O	前后臂末端-箱体末端 Crosswise end to box end	1375	1375
P	手臂下降后最小高度 Min. height of arm after descending	905	905
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5	
Q	治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x50，4xM6	

注：正反向尺寸一致 Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MEW-80 III-90-74-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-80 III-90-74-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-80S III-90-74-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-80S III-90-74-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

MEW-100
MEW-100S

注塑机锁模力 Injection Press Range

350-450 ton

高精度 High precision

高性能 High performance

高速度 High speed

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 可选配进口多摩川马达（转速可达6000r/min)；
- 最高转速提升10%，加减速时间缩减20%。
- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

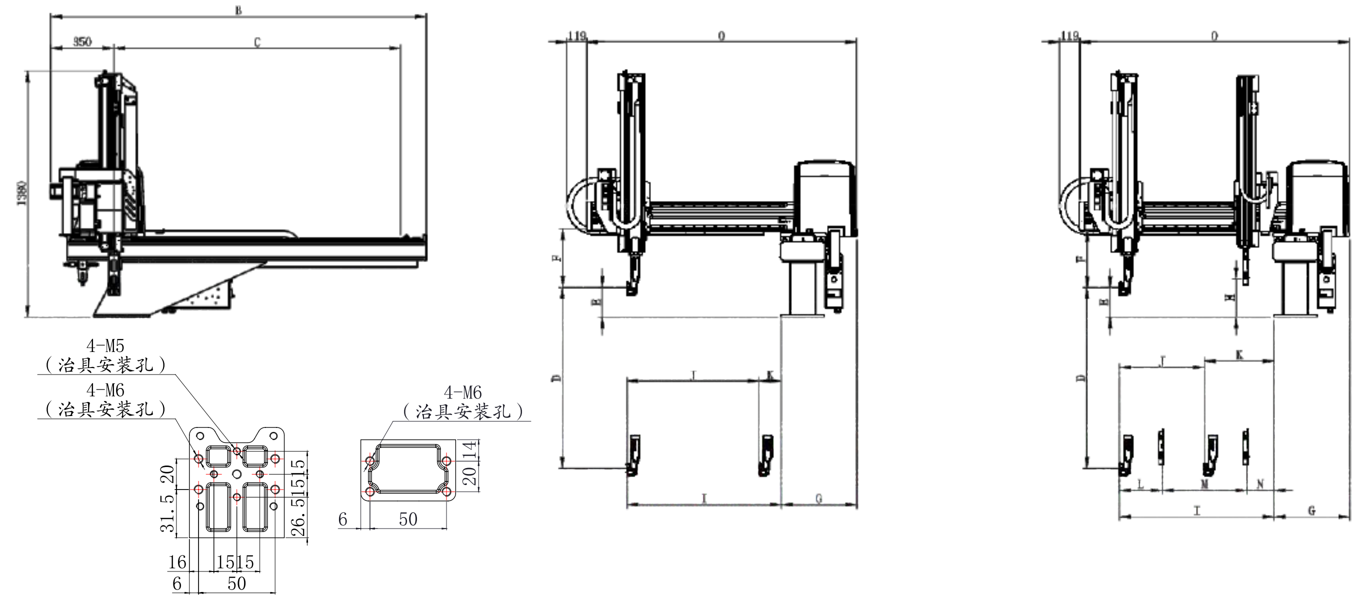
- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MEW-100-100-84-16TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90° 固定/ 90° Fixed	8	0.05	1.5	5.8	13.2	360~400
MEW-100S-100-84-16TR		2.8	0.5~0.7	2.9			8	0.05	1.5	5.8	13.2	360~400

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位: mm Unit: mm / 机型 Model		MEW-100-100	
		MEW-100-100-84-16TR	MEW-100S-100-84-16TR
A	总高 Total height	1360	1380
B	总长 Total length	2015	2015
C	走行行程 Traverse stroke	1600	1600
D	主臂上下行程 Main arm vertical stroke	1000	1000
E	主臂上下待机 Main arm standby height	170	170
F	夹具安装有效空间 Effective space for jig mounting	280	280
G	基座里侧面-箱体末端 Base internal side to end of the box	460	460
H	副臂上下待机 Sub-arm vertical standby	-	190
I	主臂前进最大值 Main arm max. fwd. movement	840	840
J	主臂前进最大行程 Main arm max. crosswise stroke	650	470
K	主臂前后待机最小值 Main arm min. crosswise standby	125	370
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	255
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	470
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	160
O	前后臂末端-箱体末端 Crosswise end to box end	1540	1540
P	手臂下降后最小高度 Min. height of arm after descending	900	900
Q	治具安装尺寸 Jig mounting dimension / 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5	
	定模面 Fixed platen	20x50，4xM6	

注：正反向尺寸一致 Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆(最大100种类型) Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切 · 可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MEW-100-100-84-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-100S-100-84-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

MD-120 III
MD-120S III

注塑机锁模力 Injection Press Range

350-450 ton

高精度 High precision

高性能 High performance

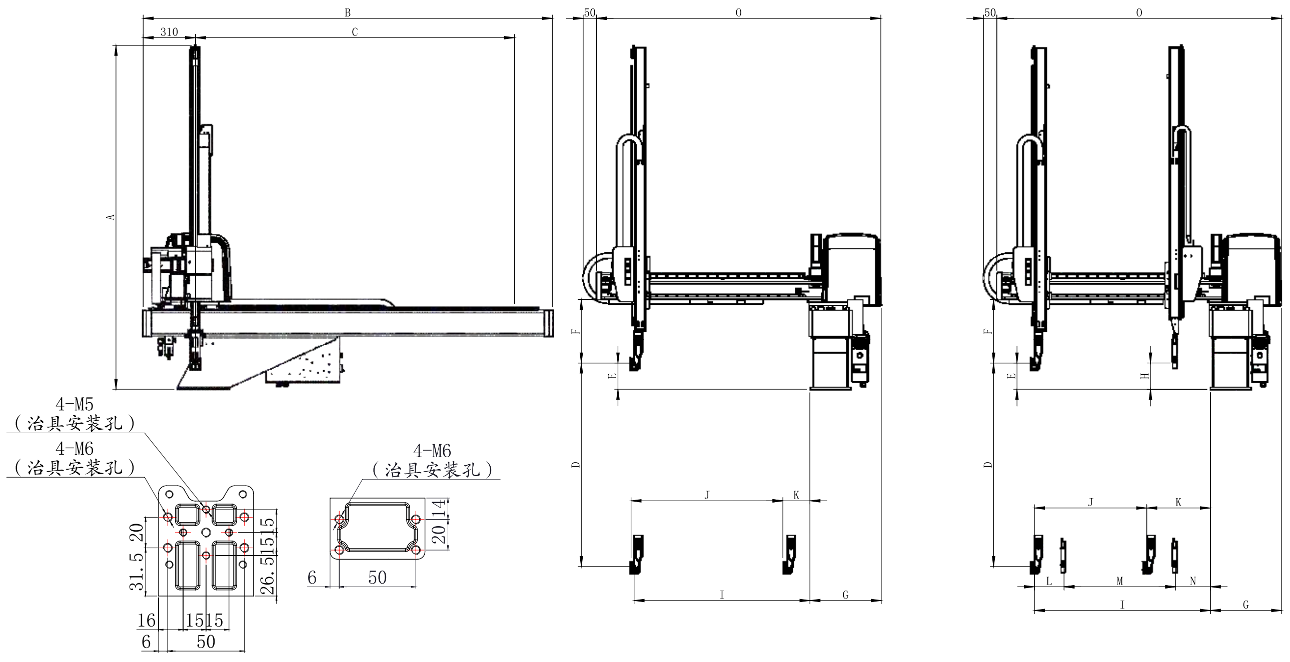
高速度 High speed

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		MD-120 III-120	
		MD-120 III-120-110-18TR	MD-120S III-120-110-18TR
A	总高 Total height	2020	2030
B	总长 Total length	2430	2430
C	走行行程 Traverse stroke	1800	1800
D	主臂上下行程 Main arm vertical stroke	1200	1200
E	主臂上下待机 Main arm standby height	140	140
F	夹具安装有效空间 Effective space for jig mounting	370	370
G	基座里侧面-箱体末端 Base internal side to end of the box	370	370
H	副臂上下待机 Sub-arm vertical standby	-	160
I	主臂前进最大值 Main arm max. fwd. movement	1050	1050
J	主臂前进最大行程 Main arm max. crosswise stroke	840	840
K	主臂前后待机最小值 Main arm min. crosswise standby	160	375
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	235
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	660
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	195
O	前后臂末端-箱体末端 Crosswise end to box end	1715	1715
P	手臂下降后最小高度 Min. height of arm after descending	900	900
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5	
	治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x50，4xM6	

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 可选配进口多摩川马达（转速可达6000r/min）；
- 最高转速提升10%，加减速时间缩减20%。
- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MD-120 III-120-110-18TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90° 固定/ 90° Fixed	5	0.05	1.5	5.8	13.2	280~350
MD-120S III-120-110-18TR		2.8	0.5~0.7	2.9			5	0.05	1.5	5.8	13.2	280~350

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆(最大100种类型) Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切 · 可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MD-120 III-120-110-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MD-120S III-120-110-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

MEW-120 III
MEW-120S II

注塑机锁模力 Injection Press Range
350-450 ton

高精度 High precision
高性能 High performance
高速度 High speed
高节能效果 High energy-saving effect
拓星链应用平台 Topstar link application platform

高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 可选配进口多摩川马达（转速可达6000r/min)；
- 最高转速提升10%，加减速时间缩减20%。
- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

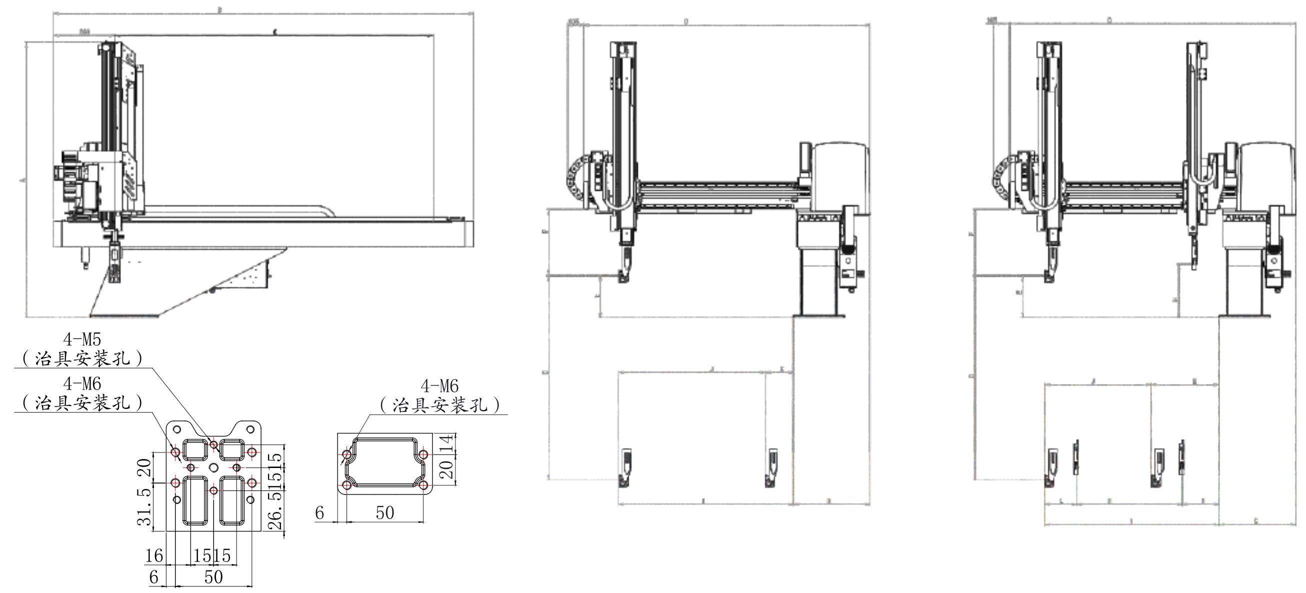
拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MEW-120 III-120-110-18TR	AC220 ±10% 50/60HZ	1.9	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90° 固定/ 90° Fixed	8	0.05	1.5	5.8	13.2	380~450
MEW-120 III-140-110-18TR		1.9	0.5~0.7	2.9			8	0.05	1.5	5.8	13.2	380~450
MEW-120S III-120-110-18TR		2.8	0.5~0.7	2.9			8	0.05	1.5	5.8	13.2	380~450
MEW-120S III-140-110-18TR		2.8	0.5~0.7	2.9			8	0.05	1.5	5.8	13.2	380~450

外形尺寸 Outer dimensions



单位：mm Unit: mm \ 机型 Model		MEW-120 III-120		MEW-120 III-140	
		MEW-120 III-120-110-18TR	MEW-120S III-120-110-18TR	MEW-120 III-140-110-18TR	MEW-120S III-140-110-18TR
A	总高 Total height	1640	1640	1760	1760
B	总长 Total length	2470	2470	2470	2470
C	走行行程 Traverse stroke	1800	1800	1800	1800
D	主臂上下行程 Main arm vertical stroke	1200	1200	1400	1400
E	主臂上下待机 Main arm standby height	260	260	260	260
F	夹具安装有效空间 Effective space for jig mounting	410	410	410	410
G	基座里侧面-箱体末端 Base internal side to end of the box	495	495	495	495
H	副臂上下待机 Sub-arm vertical standby	-	310	-	310
I	主臂前进最大值 Main arm max. fwd. movement	1020	1020	1020	1020
J	主臂前进最大行程 Main arm max. crosswise stroke	855	620	855	620
K	主臂前后待机最小值 Main arm min. crosswise standby	165	400	165	400
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	240	-	240
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	620	-	620
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	225	-	225
O	前后臂末端-箱体末端 Crosswise end to box end	1715	1715	1715	1715
P	手臂下降后最小高度 Min. height of arm after descending	1013	1013	1013	1013
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5			
	定模面 Fixed platen	20x50，4xM6			

注：正反向尺寸一致 Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆(最大100种类型) Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切 · 可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MEW-120 III-120-110-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-120 III-140-110-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-120S III-120-110-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-120S III-140-110-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

MDW-110 II
MDW-110S II

注塑机锁模力 Injection Press Range
350-850 ton

高精度 High precision

高性能 High performance

高速度 High speed

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止横开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配4吸4抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高速度 High speed

- 可选配进口多摩川马达（转速可达6000r/min）;
- 最高转速提升10%，加减速时间缩减20%。
- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

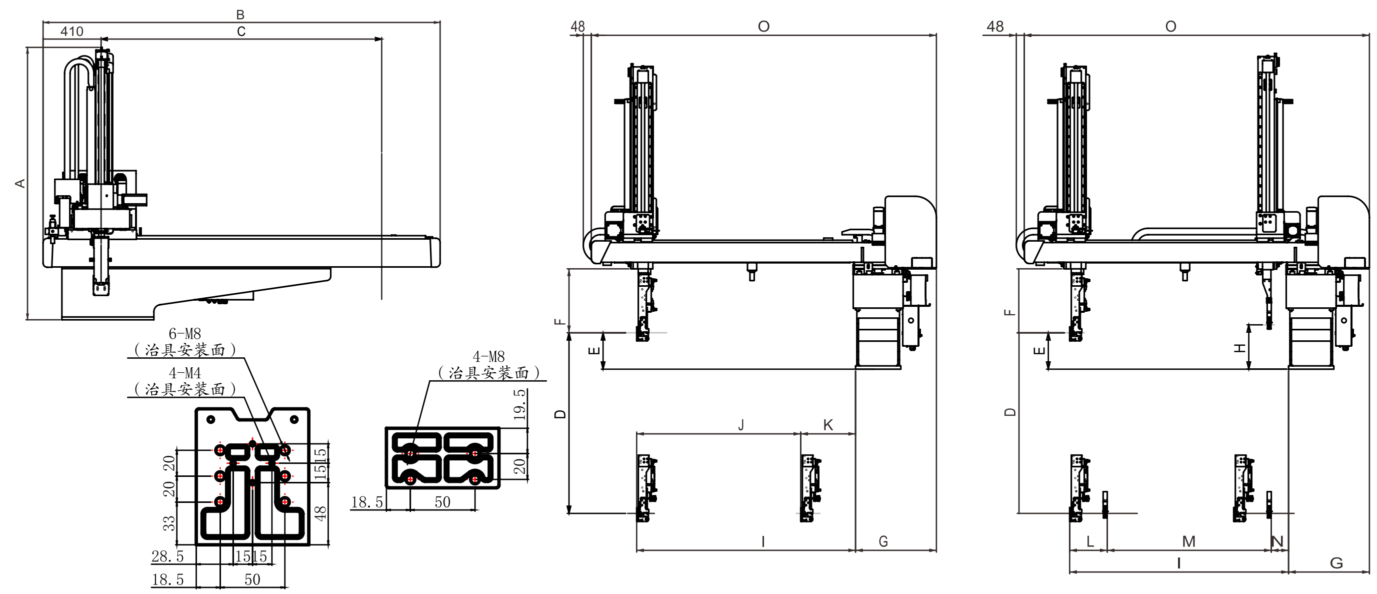
拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MDW-110 II-110-130-20TR		2	0.5~0.7	18			10	0.05	3.2	11.2	49.9	590~620
MDW-110 II-150-130-20TR		2	0.5~0.7	18			10	0.05	3.2	11.2	49.9	590~620
MDW-110 II-170-130-25TR	AC220 ±10% 50/60HZ	2	0.5~0.7	18	伺服马达/AC Servo Motor	90° 固定/90° Fixed	10	0.05	3.2	11.2	49.9	590~620
MDW-110S II-110-130-20TR		3.1	0.5~0.7	27			10	0.05	3.2	11.2	49.9	590~620
MDW-110S II-150-130-20TR		3.1	0.5~0.7	27			10	0.05	3.5	11.2	49.9	590~620

外形尺寸 Outer dimensions



	单位: mm Unit: mm / 机型 Model	MDW-110 II-110		MDW-110 II-150		MDW-110 II-170
		MDW-110 II-110-130-20TR	MDW-110S II-110-130-20TR	MDW-110 II-150-130-20TR	MDW-110S II-150-130-20TR	MDW-110 II-170-130-25TR
A	总高 Total height	1770	1770	1930	1930	2070
B	总长 Total length	2805	2805	2805	2805	3285
C	走行行程 Traverse stroke	2000	2000	2000	2000	2500
D	主臂上下行程 Main arm vertical stroke	1100	1100	1500	1500	1700
E	主臂上下待机 Main arm standby height	225	225	225	225	225
F	夹具安装有效空间 Effective space for jig mounting	445	445	445	445	445
G	基座里侧面-箱体末端 Base internal side to end of the box	470	470	470	470	470
H	副臂上下待机 Sub-arm vertical standby	-	250	-	250	-
I	主臂前进最大值 Main arm max. fwd. movement	1300	1300	1300	1300	1300
J	主臂前进最大行程 Main arm max. crosswise stroke	1125	960	1125	960	1125
K	主臂前后待机最小值 Main arm min. crosswise standby	175	340	175	340	175
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	275	-	275	-
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	960	-	960	-
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	120	-	120	-
O	前后臂末端-箱体末端 Crosswise end to box end	2105	2105	2105	2105	2105
P	手臂下降后最小高度 Min. height of arm after descending	1627	1627	1627	1627	1646
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x50，6xM8 / 30x30，4xM4				
Q	治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x50，4xM8				

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处）Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆(最大100种类型) Internal memory (for Max 100 molds)	2国语言切换（中文，英文）Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MDW-110 II-110-130-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDW-110 II-150-130-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDW-110 II-170-130-25TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDW-110S II-110-130-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDW-110S II-150-130-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

MBW–130

注塑机锁模力 Injection Press Range
550–1300 ton

负载大 Big Payload

高性能 High performance

高稳定性 High Stability

拓星链应用平台 Topstar link application platform

负载大 Big payload

- 姿势部采用大缸径气缸，负载提升，更大型零件搬运；
- 姿势部结构紧凑，可保证在动模取大型产品；
- 搭配大功率伺服驱动和马达，负载能力增大。

- Posture (C axis) uses cylinder with big cylinder diameter to improve payload and extract larger parts.
- The structure of the posture (C axis) is compact, which can ensure taking large products in the moving platen.
- With high-power servo driver and motor, the load capacity increases.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配4吸4抱功能，预留11个输入11个输出。

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高稳定性 High stability

- 增加振动抑制功能，运行更加平稳；
- 标配储气罐，保证气源稳定，保证产品吸附更加稳定；
- 走行采用加厚方钢提高承载及稳定性；

- Add the vibration suppression function to make machine run more smoothly.
- Standard with gas tanks to ensure stability of gas source and ensure that the product adsorption is more stable.
- Use thickened square steel to improve the carrying and stability of traverse axis.

拓星链应用平台 Topstar link application platform

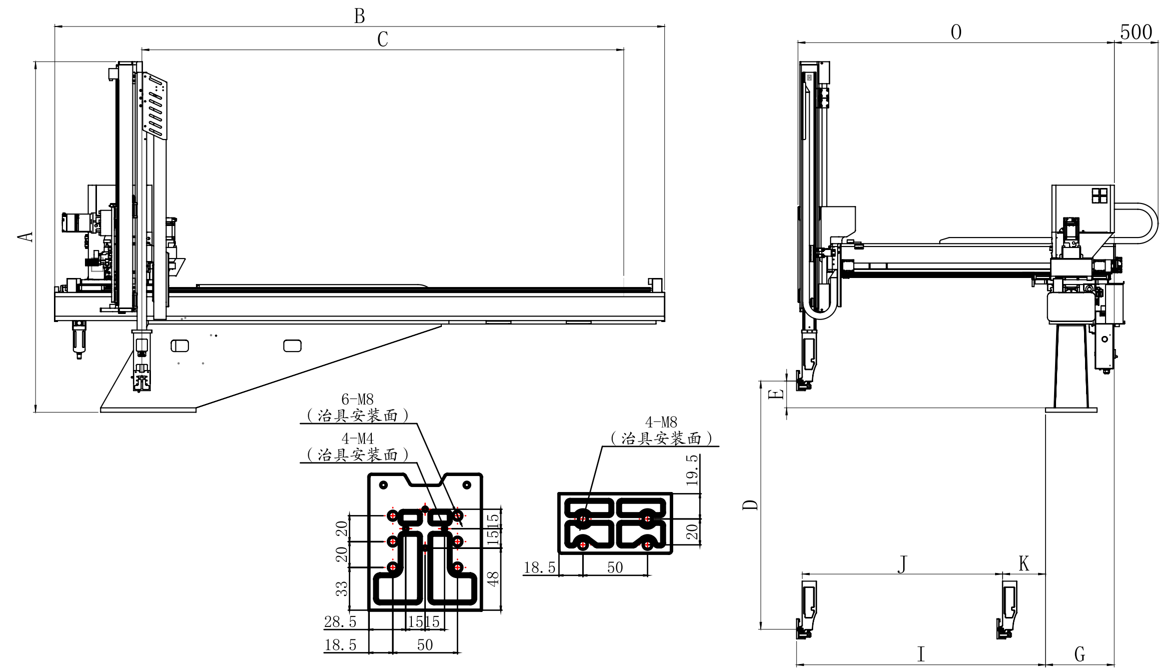
- 实时远程监控，设备运行数据统计、分析及寿命管理。

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MBW-130-130-130-20TR	AC220 ±10% 50/60HZ	2.3	0.5~0.7	24	伺服马达 / AC Servo Motor	90° 固定/ 90° Fixed	10	0.05	2.4	12	49.9	850~890
MBW-130-150-130-25TR		2.3	0.5~0.7	24			10	0.05	2.7	13	49.9	850~890

外形尺寸 Outer dimensions



单位：mm Unit: mm	机型 Model	MBW-130-130 MBW-130-130-130-20TR	MBW-130-150 MBW-130-150-130-25TR
A	总高 Total height	1850	1970
B	总长 Total length	2725	3205
C	走行行程 Traverse stroke	2000	2500
D	主臂上下行程 Main arm vertical stroke	1300	1500
E	主臂上下待机 Main arm standby height	170	170
F	夹具安装有效空间 Effective space for jig mounting	–	–
G	基座里侧面-箱体末端 Base internal side to end of the box	550	550
H	副臂上下待机 Sub-arm vertical standby	–	–
I	主臂前进最大值 Main arm max. fwd. movement	1280	1280
J	主臂前进最大行程 Main arm max. crosswise stroke	1010	1010
K	主臂前后待机最小值 Main arm min. crosswise standby	270	270
L	主副臂接近最小值 Min. space between main arm and sub-arm	–	–
M	副臂前进最大行程 Sub-arm max. crosswise stroke	–	–
N	副臂前后待机最小值 Sub-arm min. crosswise standby	–	–
O	前后臂末端-箱体末端 Crosswise end to box end	1790	1790
P	手臂下降后最小高度 Min. height of arm after descending	1507	1507
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x50，6xM8 / 30x30，4xM4	
	定模面 Fixed platen	20x50，4xM8	

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

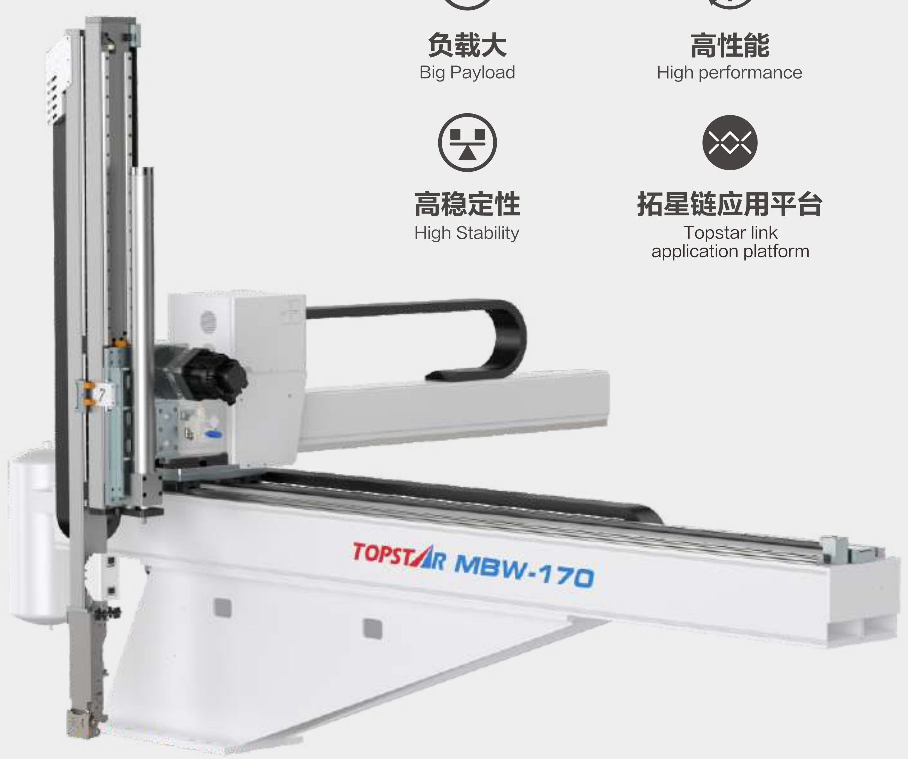
配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆(最大100种类型) Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切 · 可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MBW-130-130-130-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MBW-130-150-130-25TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“–”表示无。 Note: Standard function "●", optional function "○" and "–" indicates none.

MBW-170

注塑机锁模力 Injection Press Range
850~1600 ton



负载大 Big Payload

高性能 High performance

高稳定性 High Stability

拓星链应用平台 Topstar link application platform

负载大 Big payload

- 姿势部采用大缸径气缸，负载提升，更大型零件搬运；
- 姿势部结构紧凑，可保证在动模取大型产品；
- 搭配大功率伺服驱动和马达，负载能力增大。
- Posture (C axis) uses cylinder with big cylinder diameter to improve payload and extract larger parts.
- The structure of the posture (C axis) is compact, which can ensure taking large products in the moving platen.
- With high-power servo driver and motor, the load capacity increases.

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配4吸4抱功能，预留11个输入11个输出。
- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高稳定性 High stability

- 增加振动抑制功能，运行更加平稳；
- 标配储气罐，保证气源稳定，保证产品吸附更加稳定；
- 走行采用加厚方钢提高承载及稳定性；
- Add the vibration suppression function to make machine run more smoothly.
- Standard with gas tanks to ensure stability of gas source and ensure that the product adsorption is more stable.
- Use thickened square steel to improve the carrying and stability of traverse axis.

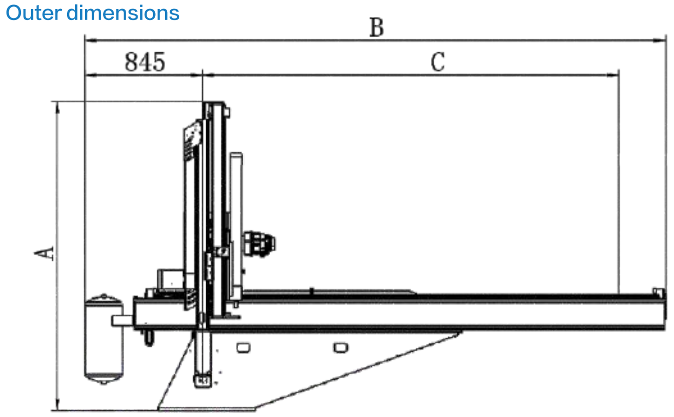
拓星链应用平台 Topstar link application platform

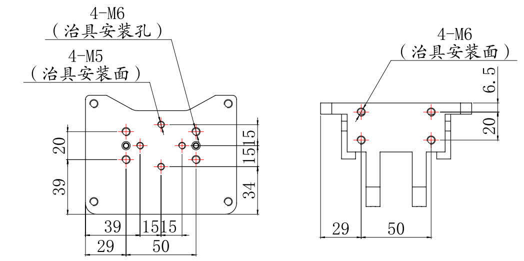
- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

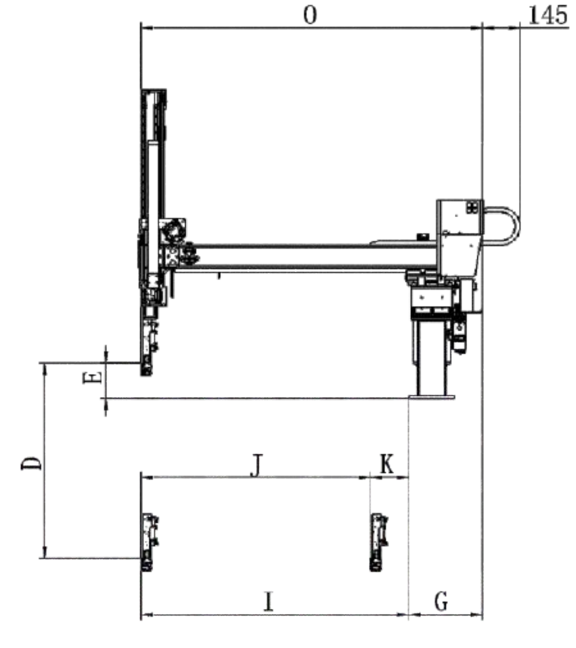
基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MBW-170-170-180-25TR	AC220 ±10% 50/60HZ	2.4	0.5~0.7	26	伺服马达 / AC Servo Motor	90°	20	0.1	3.7	13.2	49.9	1080~1240
MBW-170-200-180-30TR		2.4	0.5~0.7	26			20	0.1	3.7	13.2	49.9	1080~1240

外形尺寸 Outer dimensions







单位：mm Unit: mm / 机型 Model		MBW-170-170	MBW-170-200
		MBW-170-170-180-25TR	MBW-170-200-180-30TR
A	总高 Total height	2320	2440
B	总长 Total length	3700	4180
C	走行行程 Traverse stroke	2500	3000
D	主臂上下行程 Main arm vertical stroke	1700	2000
E	主臂上下待机 Main arm standby height	350	350
F	夹具安装有效空间 Effective space for jig mounting	–	–
G	基座里侧面-箱体末端 Base internal side to end of the box	530	530
H	副臂上下待机 Sub-arm vertical standby	–	–
I	主臂前进最大值 Main arm max. fwd. movement	1875	1875
J	主臂前进最大行程 Main arm max. crosswise stroke	1600	1600
K	主臂前后待机最小值 Main arm min. crosswise standby	270	270
L	主副臂接近最小值 Min. space between main arm and sub-arm	–	–
M	副臂前进最大行程 Sub-arm max. crosswise stroke	–	–
N	副臂前后待机最小值 Sub-arm min. crosswise standby	–	–
O	前后臂末端-箱体末端 Crosswise end to box end	2450	2450
P	手臂下降后最小高度 Min. height of arm after descending	1990	2060
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5	
	定模面 Fixed platen	20x50，4xM6	

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处）Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆(最大100种类型) Internal memory (for Max 100 molds)	2国语言切换（中文，英文）Two language exchange (Chinese/ English)	Nt剪切 · 可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MBW-170-170-180-25TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MBW-170-200-180-30TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“–”表示无。Note: Standard function "●", optional function "○" and "–" indicates none.

MBW-200 III

注塑机锁模力 Injection Press Range

1600~4000 ton

负载大
Big Payload

高性能
High performance

高稳定性
High Stability

拓星链应用平台
Topstar link application platform

负载大 Big payload

- 姿势部采用大缸径气缸，负载提升，更大型零件搬运；
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高性能 High performance

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- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
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- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高稳定性 High stability

- 增加振动抑制功能，运行更加平稳；
- 标配储气罐，保证气源稳定，保证产品吸附更加稳定；
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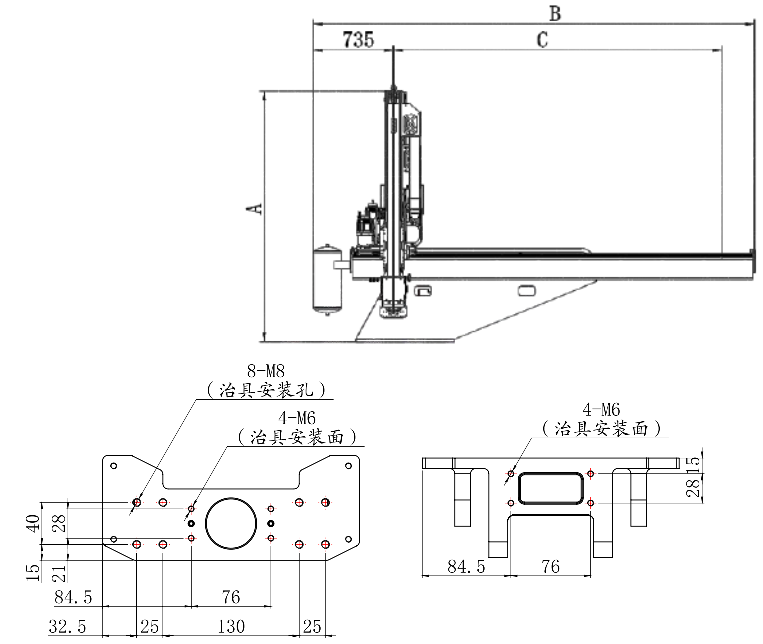
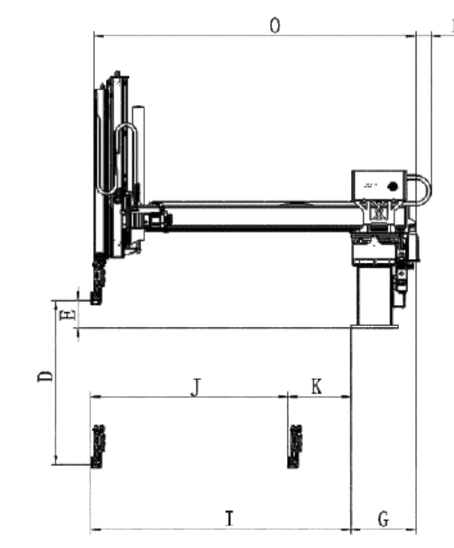
基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
MBW-200Ⅲ-200-230-30TR	AC 380 ±10% 50/60Hz	4.5	0.5~0.7	48	伺服马达 / AC Servo Motor	90°	50	0.1	10	23	181.4	1585~1820
MBW-200Ⅲ-250-230-30TR		4.5	0.5~0.7	48			50	0.1	10	23	181.4	1585~1820
MBW-200Ⅲ-300-230-35TR		4.5	0.5~0.7	48			50	0.1	10	23	181.4	1585~1820

TOPSTAR 拓斯达

外形尺寸 Outer dimensions





单位：mm Unit: mm / 机型 Model		MBW-200Ⅲ-200	MBW-200Ⅲ-250	MBW-200Ⅲ-300
		MBW-200Ⅲ-200-230-30TR	MBW-200Ⅲ-250-230-35TR	MBW-200Ⅲ-300-230-35TR
A	总高 Total height	2290	2530	2770
B	总长 Total length	4040	4520	4520
C	走行行程 Traverse stroke	3000	3500	3500
D	主臂上下行程 Main arm vertical stroke	2000	2500	3000
E	主臂上下待机 Main arm standby height	255	255	255
F	夹具安装有效空间 Effective space for jig mounting	–	–	–
G	基座里侧面-箱体末端 Base internal side to end of the box	590	590	590
H	副臂上下待机 Sub-arm vertical standby	–	–	–
I	主臂前进最大值 Main arm max. fwd. movement	2300	2300	2300
J	主臂前进最大行程 Main arm max. crosswise stroke	1800	1800	1800
K	主臂前后待机最小值 Main arm min. crosswise standby	530	530	530
L	主副臂接近最小值 Min. space between main arm and sub-arm	–	–	–
M	副臂前进最大行程 Sub-arm max. crosswise stroke	–	–	–
N	副臂前后待机最小值 Sub-arm min. crosswise standby	–	–	–
O	前后臂末端-箱体末端 Crosswise end to box end	2930	2930	2930
P	手臂下降后最小高度 Min. height of arm after descending	2020	2530	2530
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x180，8xM8 / 28x76，4xM6		
	定模面 Fixed platen	28x76，4xM6		

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
MBW-200Ⅲ-200-230-30TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MBW-200Ⅲ-250-230-30TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MBW-200Ⅲ-300-230-35TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“–”表示无。Note: Standard function "●", optional function "○" and "–" indicates none.

TMDE-80
TMDE-80S

注塑机锁模力 Injection Press Range

100–220 ton

高性能
High performance

智能化
Intellectualise

高节能效果
High energy–saving effect

拓星链应用平台
Topstar link application platform

高性能 High performance

- 优化走行滑板，皮带轮安装方式，减少重量，可维护性好
- 前后臂采用国产20导轨，增加手臂的稳定性，减少抖动;
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂;
- 最多可支持4吸4抱气动回路;
- Optimize the installation of sliding plate, belt pulley installation, reduce weight, and good maintenance.
- Crosswise axis arm adopt domestic 20 guide rails to increase the stability of the arm and reduce the shake.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Can support up to 4 suction and 4 holding pneumatic circuits;

高节能效果 High energy–saving effect

- 共直流母线技术节能10%，电力成本降低10%;
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- 整机结构轻量化，降低运行能耗。
- Total DC bus technology is 10% energy–saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.
- Lightweight structure of the whole machine to reduce operating energy consumption.

智能化 Intellectualise

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制;
- 内置双系统客户自由选择;
- 标配RS485通讯接口，支持MODBUS RTU通讯协议。
- Control system independent research, irregularly–updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built–in dual–system, customer–free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.

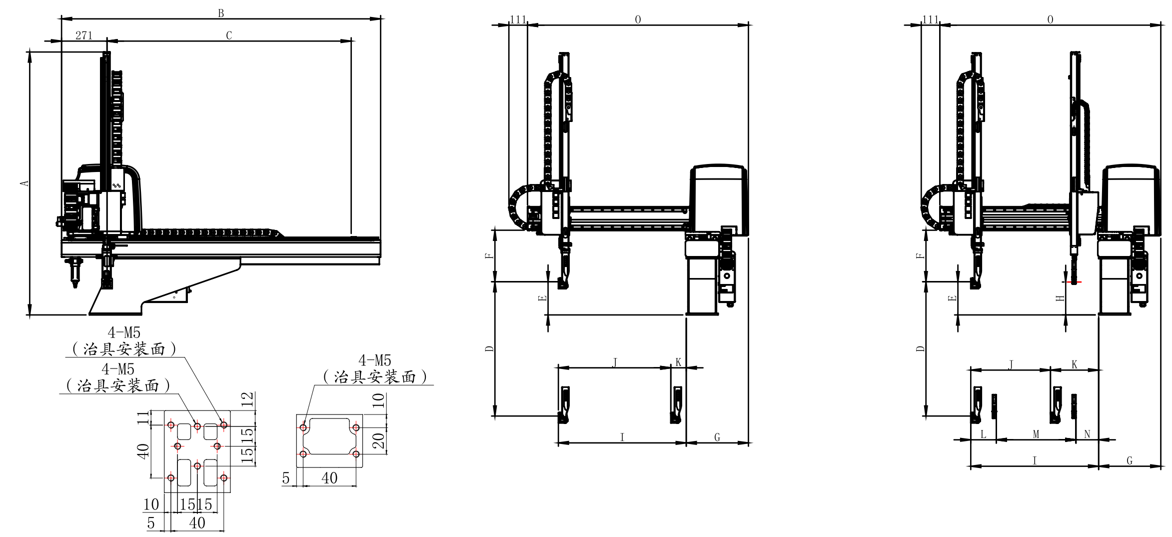
拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real–time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take–out time	空循环时间 (不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
TMDE–80–80 –76–14TR	AC220 ±10% 50/60HZ	1.3	0.5~0.7	2.9	伺服马达 /AC Servo Motor	90°	4	0.1	2	7	6.0	190~210
TMDE–80–90 –76–16TR		1.3	0.5~0.7	2.9			4	0.1	2	7	6.0	190~210
TMDE–80–100 –76–16TR		1.3	0.5~0.7	2.9			4	0.1	2	7	6.0	190~210
TMDE–80S–80 –76–14TR		2.1	0.5~0.7	2.9			4	0.1	2	7	6.0	190~210
TMDE–80S–90 –76–16TR		2.1	0.5~0.7	2.9			4	0.1	2	7	6.0	190~210
TMDE–80S–100 –76–16TR		2.1	0.5~0.7	2.9			4	0.1	2	7	6.0	190~210

外形尺寸 Outer dimensions



单位：mm Unit: mm	机型 Model	TMDE–80–80		TMDE–80–90		TMDE–80–100	
		TMDE–80–80–76–14TR	TMDE–80S–80–76–14TR	TMDE–80–90–76–16TR	TMDE–80S–90–76–16TR	TMDE–80–100–76–16TR	TMDE–80S–100–76–16TR
A	总高 Total height	1560	1560	1680	1680	1800	1800
B	总长 Total length	1900	1900	2080	2080	2080	2080
C	走行行程 Traverse stroke	1400	1400	1600	1600	1600	1600
D	主臂上下行程 Main arm vertical stroke	800	800	900	900	1000	1000
E	主臂上下待机 Main arm standby height	190	190	190	190	190	190
F	夹具安装有效空间 Effective space for jig mounting	305	305	305	305	305	305
G	基座里侧面–箱体末端 Base internal side to end of the box	370	370	370	370	370	370
H	副臂上下待机 Sub–arm vertical standby	–	190	–	190	–	190
I	主臂前进最大值 Main arm max. fwd. movement	760	760	760	760	760	760
J	主臂前进最大行程 Main arm max. crosswise stroke	670	470	670	470	670	470
K	主臂前后待机最小值 Main arm min. crosswise standby	90	285	90	285	90	285
L	主副臂接近最小值 Min. space between main arm and sub–arm	–	150	–	150	–	150
M	副臂前进最大行程 Sub–arm max. crosswise stroke	–	140	–	140	–	140
N	副臂前后待机最小值 Sub–arm min. crosswise standby	–	135	–	135	–	135
O	前后臂末端–箱体末端 Crosswise end to box end	1320	1320	1320	1320	1320	1320
P	手臂下降后最小高度 Min. height of arm after descending	1010	1010	1030	1030	1050	1050
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x40，4xM5 / 30x30，4xM5					
	定模面 Fixed platen	20x40，4xM5					

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO–MAP 12	欧规67 EURO–MAP 67
TMDE–80–80 –76–14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE–80–90 –76–16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE–80–100 –76–16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE–80S–80 –76–14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE–80S–90 –76–16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE–80S–100 –76–16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“–”表示无。 Note: Standard function "●", optional function "○" and "–" indicates none.

TMEWE-80
TMEWE-80S

注塑机锁模力 Injection Press Range
100~220 ton

高性能 High performance

智能化 Intellectualise

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高性能 High performance

- 优化走行滑板，皮带轮安装方式，减少重量，可维护性好
- 前后臂采用国产20导轨，增加手臂的稳定性，减少抖动；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
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- 内置双系统客户自由选择；
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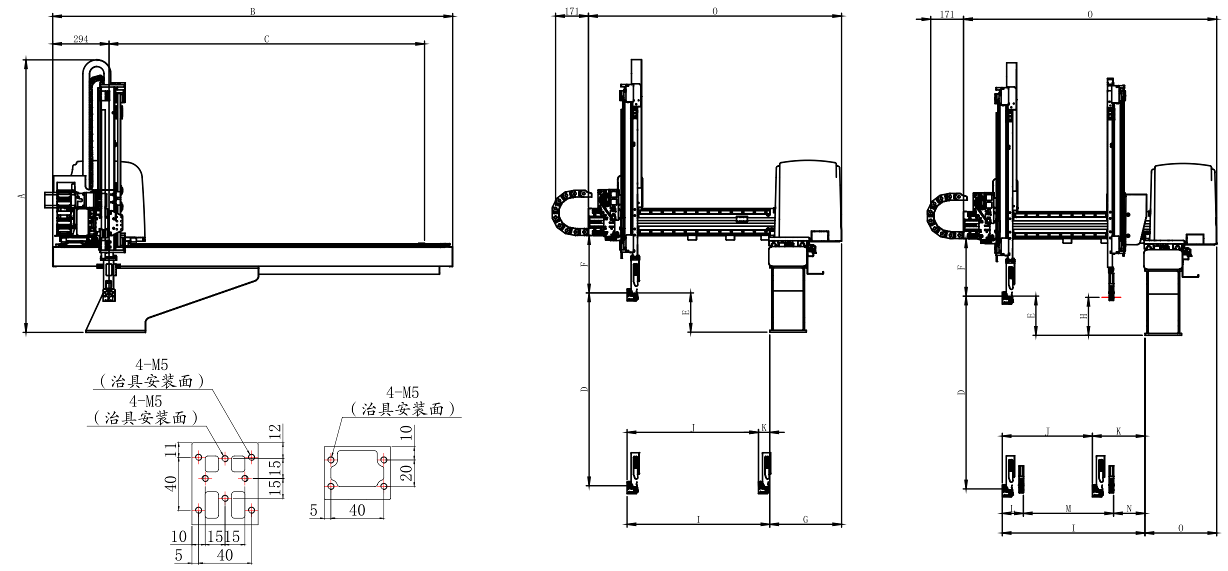
基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
TMEWE-80-90-74-16TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	马达	90°	4	0.1	2	8	6.0	190~220
TMEWE-80-100-74-16TR		2	0.5~0.7	2.9			4	0.1	2	8	6.0	190~220
TMEWE-80S-90-74-16TR		2.8	0.5~0.7	2.9			4	0.1	2	8	6.0	190~220
TMEWE-80S-100-74-16TR		2.8	0.5~0.7	2.9			4	0.1	2	8	6.0	190~220

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		TMEWE-80-90		TMEWE-80-100	
		TMEWE-80-90-74-16TR	TMEWE-80S-90-74-16TR	TMEWE-80-100-74-16TR	TMEWE-80S-100-74-16TR
A	总高 Total height	1362	1362	1422	1422
B	总长 Total length	2085	2085	2085	2085
C	走行行程 Traverse stroke	1600	1600	1600	1600
D	主臂上下行程 Main arm vertical stroke	900	900	1000	1000
E	主臂上下待机 Main arm standby height	206	206	206	206
F	夹具安装有效空间 Effective space for jig mounting	296	296	296	296
G	基座里侧面-箱体末端 Base internal side to end of the box	374	374	374	374
H	副臂上下待机 Sub-arm vertical standby	-	206	-	206
I	主臂前进最大值 Main arm max. fwd. movement	740	740	740	740
J	主臂前进最大行程 Main arm max. crosswise stroke	650	460	650	460
K	主臂前后待机最小值 Main arm min. crosswise standby	90	280	90	280
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	130	-	130
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	420	-	420
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	190	-	190
O	前后臂末端-箱体末端 Crosswise end to box end	1320	1320	1320	1320
P	手臂下降后最小高度 Min. height of arm after descending	900	900	900	900
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x40，4xM5 / 30x30，4xM5			
	定模面 Fixed platen	20x40，4xM5			

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
TMEWE-80-90-74-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80-100-74-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80S-90-74-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80S-100-74-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

TMDE-120
TMDE-120S

注塑机锁模力 Injection Press Range
350-450 ton

高性能 High performance
智能化 Intellectualise
高节能效果 High energy-saving effect
拓星链应用平台 Topstar link application platform

高性能 High performance

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拓星链应用平台 Topstar link application platform

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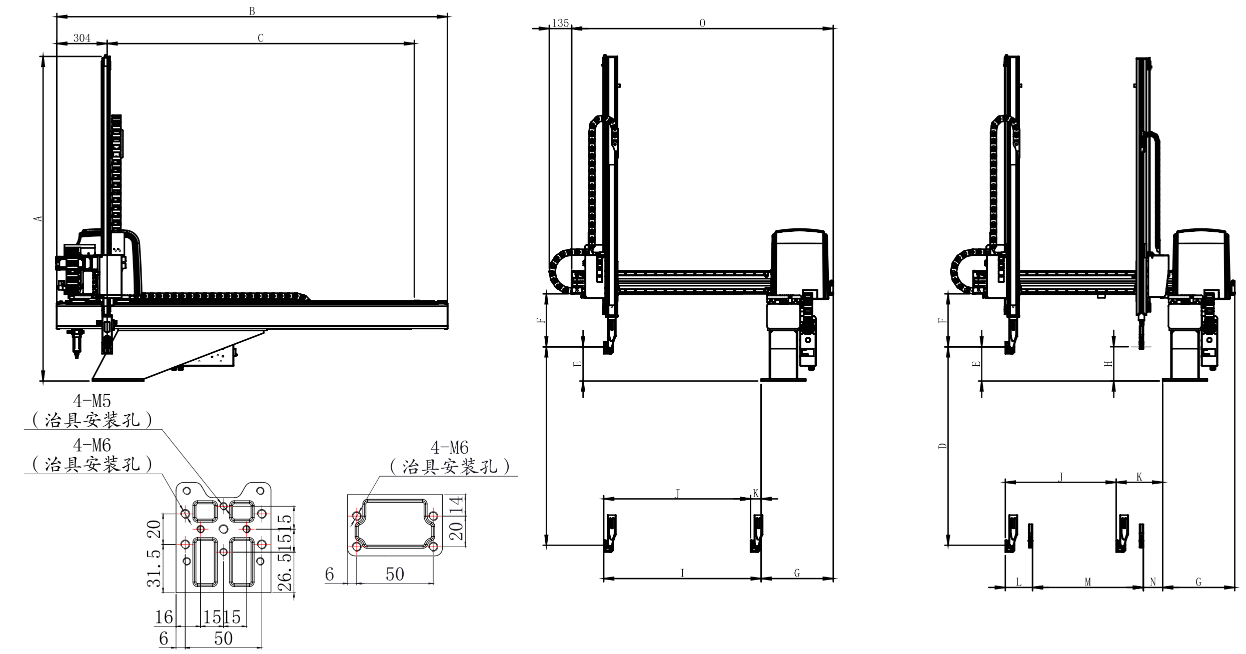
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
TMDE-120-120-95-18TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90°	5	0.1	2	9.5	13.2	230~240
TMDE-120S-120-95-18TR		2.8	0.5~0.7	2.9			5	0.1	2	9.5	13.2	240~250

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model	TMDE-120-120-95-18TR	TMDE-120S-120-95-18TR
A 总高 Total height	1965	1965
B 总长 Total length	2360	2360
C 走行行程 Traverse stroke	1800	1800
D 主臂上下行程 Main arm vertical stroke	1200	1200
E 主臂上下待机 Main arm standby height	205	205
F 夹具安装有效空间 Effective space for jig mounting	320	320
G 基座里侧面-箱体末端 Base internal side to end of the box	435	435
H 副臂上下待机 Sub-arm vertical standby	-	205
I 主臂前进最大值 Main arm max. fwd. movement	950	950
J 主臂前进最大行程 Main arm max. crosswise stroke	885	660
K 主臂前后待机最小值 Main arm min. crosswise standby	65	280
L 主副臂接近最小值 Min. space between main arm and sub-arm	-	165
M 副臂前进最大行程 Sub-arm max. crosswise stroke	-	660
N 副臂前后待机最小值 Sub-arm min. crosswise standby	-	115
O 前后臂末端-箱体末端 Crosswise end to box end	1580	1580
P 手臂下降后最小高度 Min. height of arm after descending	1000	1000
Q 治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5	
Q 治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x50，4xM6	

(TMDE-120-120 model series)

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处）Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型）Internal memory (for Max 100 molds)	2国语言切换（中文，英文）Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
TMDE-120-120-95-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE-120S-120-95-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

TMEWE-120
TMEWE-120S

注塑机锁模力 Injection Press Range

350-450 ton

高性能 High performance

智能化 Intellectualise

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高性能 High performance

- 优化走行滑板，皮带轮安装方式，减少重量，可维护性好
- 前后臂采用国产20导轨，增加手臂的稳定性，减少抖动；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 最多可支持4吸4抱气动回路；

- Optimize the installation of sliding plate, belt pulley installation, reduce weight, and good maintenance.
- Crosswise axis arm adopt domestic 20 guide rails to increase the stability of the arm and reduce the shake.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Can support up to 4 suction and 4 holding pneumatic circuits;

智能化 Intellectualise

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议。

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- 整机结构轻量化，降低运行能耗。

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.
- Lightweight structure of the whole machine to reduce operating energy consumption.

拓星链应用平台 Topstar link application platform

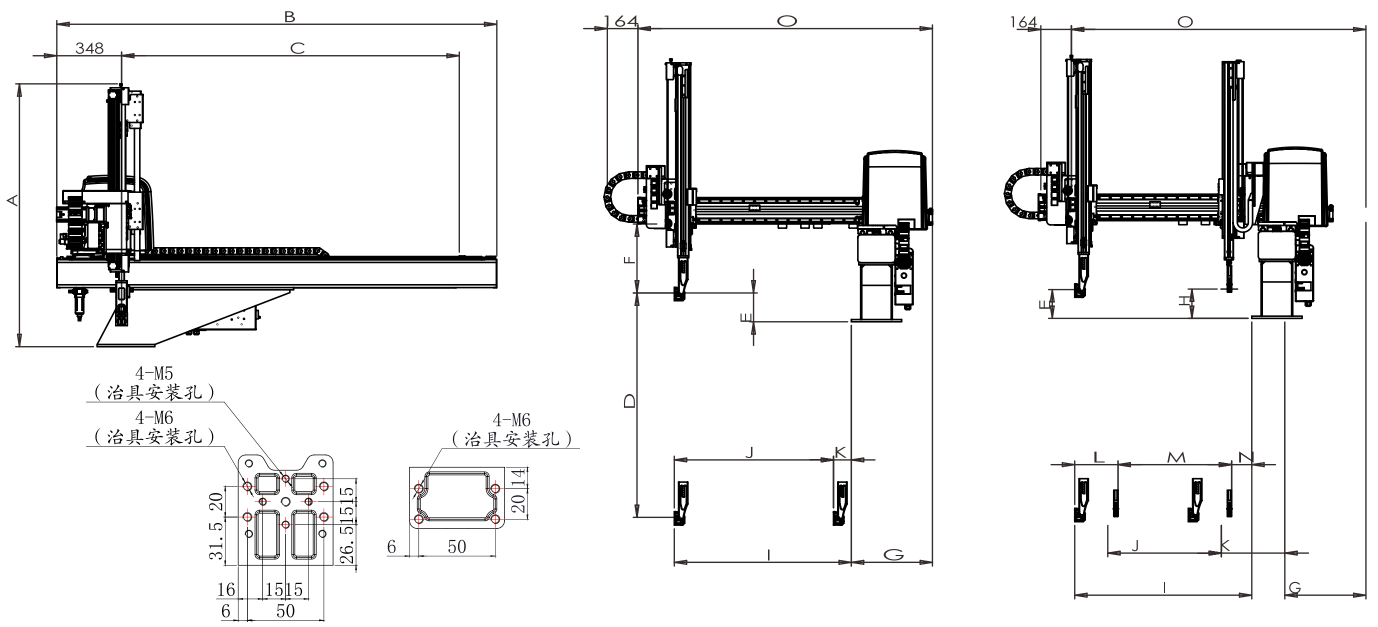
- 实时远程监控，设备运行数据统计、分析及寿命管理。

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
TMEWE-120-120-95-18TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	伺服马达 / AC Servo Motor	90°	6	0.1	2	9.5	13.2	250~260
TMEWE-120-140-95-18TR		2	0.5~0.7	2.9			6	0.1	2	9.5	13.2	250~260
TMEWE-120S-120-95-18TR		2.8	0.5~0.7	2.9			6	0.1	2	9.5	13.2	260~270
TMEWE-120S-140-95-18TR		2.8	0.5~0.7	2.9			6	0.1	2	9.5	13.2	270~280

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		TMEWE-120-120		TMEWE-120-140	
		TMEWE-120-120-95-18TR	TMEWE-120S-120-95-18TR	TMEWE-120-140-95-18TR	TMEWE-120S-140-95-18TR
A	总高 Total height	1412	1412	1532	1532
B	总长 Total length	2363	2363	2363	2363
C	走行行程 Traverse stroke	1800	1800	1800	1800
D	主臂上下行程 Main arm vertical stroke	1200	1200	1400	1400
E	主臂上下待机 Main arm standby height	155	155	155	155
F	夹具安装有效空间 Effective space for jig mounting	370	370	370	370
G	基座里侧面-箱体末端 Base internal side to end of the box	436	436	436	436
H	副臂上下待机 Sub-arm vertical standby	-	157	-	157
I	主臂前进最大值 Main arm max. fwd. movement	950	950	950	950
J	主臂前进最大行程 Main arm max. crosswise stroke	860	610	860	610
K	主臂前后待机最小值 Main arm min. crosswise standby	95	340	95	340
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	323	-	323
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	610	-	610
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	108	-	108
O	前后臂末端-箱体末端 Crosswise end to box end	1582	1582	1582	1582
P	手臂下降后最小高度 Min. height of arm after descending	900	900	900	900
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	20x50，4xM6 / 30x30，4xM5			
	定模面 Fixed platen	20x50，4xM6			

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立装箱动作 8 independent packaging motion	自由装箱点（115点×2处） Free packaging motion(115points ×2stage)	落下测下降途中姿势 Posture midway descent at release side	顶针前进后退连动 Ejector Forward and Backward Coordinated Movement	不良品排出回路 Defective product reject circuit	取出下降待机 Delayed arm descent	水口模内开放 Runner release within mold	输送带启动信号 Start signal of circuit	内部存储记忆（最大100种类型） Internal memory (for Max 100 molds)	2国语言切换（中文，英文） Two language exchange (Chinese/ English)	Nt剪切·可动侧 NT gate cutting on crossmember of moving	回转单元 Rotation unit	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
TMEWE-120-120-95-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-120-140-95-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-120S-120-95-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-120S-140-95-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

HDW-80 II

注塑机锁模力 Injection Press Range
100-220 ton

高性能 High performance
高速度 High speed
高节能效果 High energy-saving effect
拓星链应用平台 Topstar link application platform

高性能 High performance

- 控制系统自主研，发软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

高节能效果 High energy-saving effect

- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

高速度 High speed

- 可选配进口整套松下伺服马达（转速可达6000r/min）；
- 最高转速提升10%，加减速时间缩减20%。

- Optional imported whole set of Panasonic servo motors (rotate speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

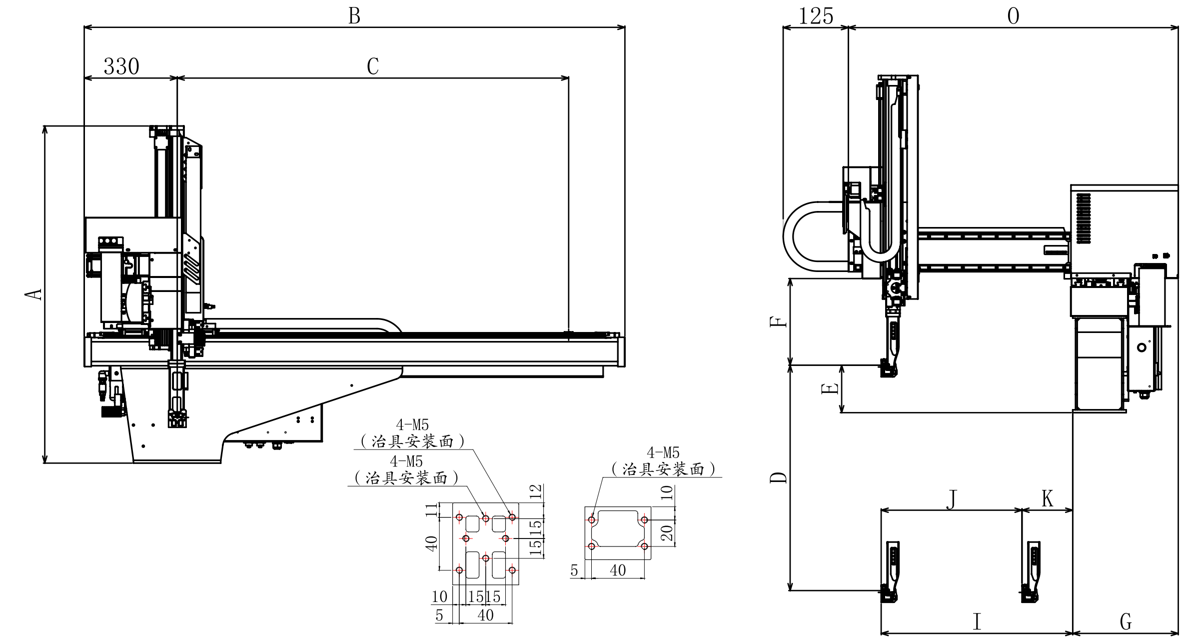
拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
HDW-80-90-68-16TR	AC220 ±10% 50/60HZ	2	0.5~0.7	8	伺服马达 /AC Servo Motor	90° 固定/ 90° Fixed	3	0.1	0.7	3.9	6.0	270~290

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		HDW-80 II HDW-80 II-90-68-16TR
A	总高 Total height	1310
B	总长 Total length	2160
C	走行行程 Traverse stroke	1600
D	主臂上下行程 Main arm vertical stroke	900
E	主臂上下待机 Main arm standby height	170
F	夹具安装有效空间 Effective space for jig mounting	330
G	基座里侧面-箱体末端 Base internal side to end of the box	375
H	副臂上下待机 Sub-arm vertical standby	-
I	主臂前进最大值 Main arm max. fwd. movement	680
J	主臂前进最大行程 Main arm max. crosswise stroke	500
K	主臂前后待机最小值 Main arm min. crosswise standby	180
L	主副臂接近最小值 Min. space between main arm and sub-arm	-
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-
O	前后臂末端-箱体末端 Crosswise end to box end	1170
P	手臂下降后最小高度 Min. height of arm after descending	880
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x40，4xM5 / 30x30，4xM5
Q	治具安装尺寸 Jig mounting dimension — 定模面 Fixed platen	20x40，4xM5

注：正反向尺寸一致 Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	装箱动作（各轴256点）Packaging motion(Max. 256 points)	自由装箱点（115点×2处）Free packaging motion(115points ×2stage)	取出侧前进姿势控制 Forward and rotate at removing side	走行途中姿势 Posture control during traverse	落下测下降途中姿势 Posture midway descent at release side	顶针连动 Ejector link	不良品排出回路 Defective product reject circuit	初期不良品排出回路 Initial defective product reject circuit	输送带启动信号 Start signal of conveyor	内部存储记忆（最大100种类型）Internal memory (for Max 100 molds)	2国语言切换（中文，英文）Two language exchange (Chinese/ English)	吸着确认4回路 Additional vacuum sensing unit (4 circuits)	制品夹取4回路 Product gripping 4 circuits	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67	顶针后退连动 Ejector return link
HDW-80-90-68-16TR	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

气缸，伺服 Cylinder/Servo

AD-80 IV
AD-80S IV

注塑机锁模力 Injection Press Range
100-220 ton

高性价比
High quality-price ratio

高节能效果
High energy-saving effect

拓星链应用平台
Topstar link application platform

高性价比 High quality-price ratio

- 主臂采用气缸驱动，可满足各种简单埋入动作，减少伺服电机成本，价格实惠；
- 可选配国产东菱马达（转速可达6000r/min）;
- Main arm driven by cylinder, which can meet all kinds of simple insert motion to reduce the cost of servo motor and affordable prices.
- Optional Domestic Dongling Motor (rotation speed can reach 6000r/min).

高节能效果 High energy-saving effect

- 整机仅需单个伺服马达驱动，电力成本降低60~80%;
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- The whole machine only requires a single servo motor drive, Reduced 60 ~ 80% electric power cost.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

拓星链应用平台 Topstar link application platform

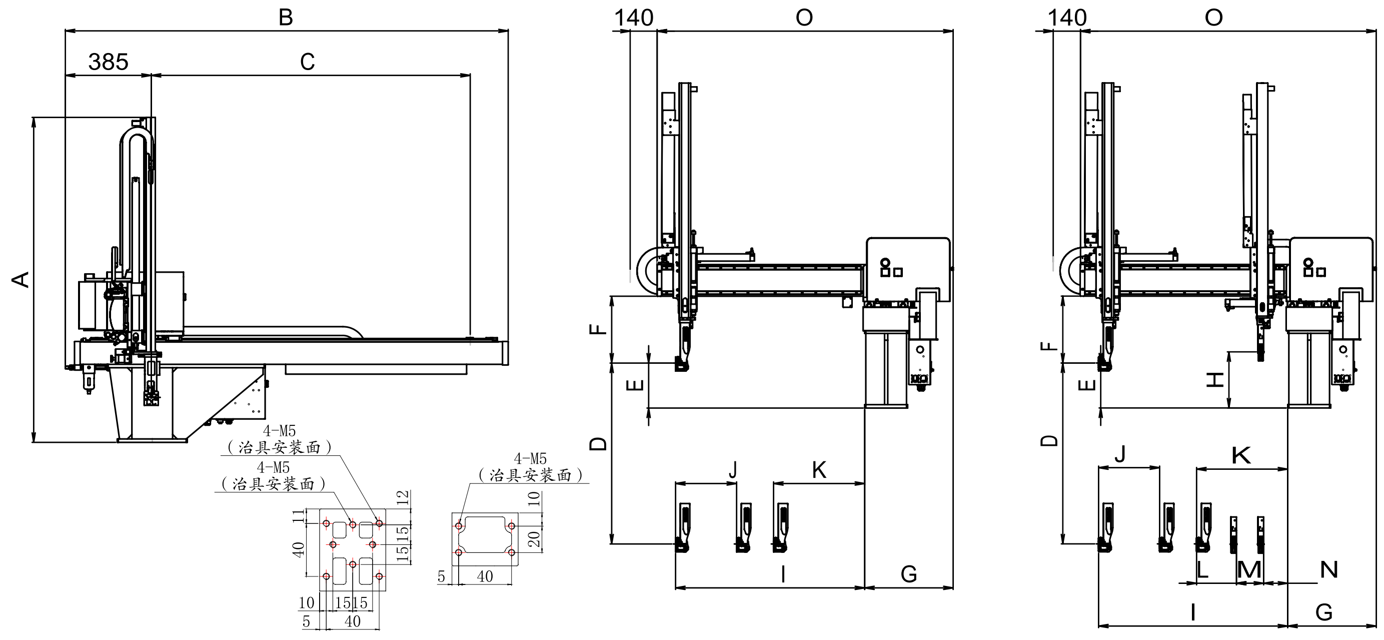
- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
AD-80 IV-60-86-14TR	AC220 ±10% 50/60HZ	0.45	0.5~0.7	13.8	气缸/ Air Cylinder	90° 固定/ 90° Fixed	3	0.5	3	9	6.0	200~280
AD-80 IV-80-86-14TR		0.45	0.5~0.7	13.8			3	0.5	3	9	6.0	200~280
AD-80S IV-60-86-14TR		0.45	0.5~0.7	23.9			3	0.5	3	9	6.0	200~280
AD-80S IV-80-86-14TR		0.45	0.5~0.7	23.9			3	0.5	3	9	6.0	200~280

TOPSTAR 拓斯达

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		AD-80 IV-80	
		AD-80 IV-80-86-14TR	AD-80S IV-80-86-14TR
A	总高 Total height	1600	1600
B	总长 Total length	1970	1970
C	走行行程 Traverse stroke	1400	1400
D	主臂上下行程 Main arm vertical stroke	800	175
E	主臂上下待机 Main arm standby height	175	175
F	夹具安装有效空间 Effective space for jig mounting	325	325
G	基座里侧面-箱体末端 Base internal side to end of the box	385	385
H	副臂上下待机 Sub-arm vertical standby	-	230
I	主臂前进最大值 Main arm max. fwd. movement	860	860
J	主臂前进最大行程 Main arm max. crosswise stroke	300	300
K	主臂前后待机最小值 Main arm min. crosswise standby	140	140
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	175
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	150
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	70
O	前后臂末端-箱体末端 Crosswise end to box end	1300	1300
P	手臂下降后最小高度 Min. height of arm after descending	1370	1370
Q	治具安装尺寸 Jig mounting dimension / 动模面 Moveable platen	40x40，4xM5 / 30x30，4xM5	
	定模面 Fixed platen	20x40，4xM5	

注：正反向尺寸一致　Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	1-99点的位置动作 Positioning 1-99	取出侧姿势控制 Posture control at extract side	不良品排出回路 Defective product reject circuit	副臂单独动作 Sub-arm individual motion	胶口途中开放（去程，返程）Midway runner release (Move，Revert)	模内开放 Product release within mold	内部存储记忆（最大30种类型）Internal memory (for Max 30 molds)	输送带启动信号 Start signal of conveyor	2国语言切换（中文，英文）Two language exchange (Chinese /English)	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
AD-80 IV-80-86-14TR	●	●	●	-●-	●	●	●	●	●	○	○
AD-80S IV-80-86-14TR	●	●	●	●	●	●	●	●	●	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。Note: Standard function "●", optional function "○" and "-" indicates none.

气缸，伺服 Cylinder/Servo

ADW-80 IV
ADW-80S IV

注塑机锁模力 Injection Press Range

100-220 ton

高性价比 High quality-price ratio

高节能效果 High energy-saving effect

拓星链应用平台 Topstar link application platform

高性价比 High quality-price ratio

- 主臂采用气缸驱动，可满足各种简单埋入动作，减少伺服电机成本，价格实惠；
- 可选配国产东菱马达（转速可达6000r/min）；
- Main arm driven by cylinder, which can meet all kinds of simple insert motion to reduce the cost of servo motor and affordable prices.
- Optional Domestic Dongling Motor (rotation speed can reach 6000r/min).

高节能效果 High energy-saving effect

- 整机仅需单个伺服马达驱动，电力成本降低60~80%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- The whole machine only requires a single servo motor drive, Reduced 60 ~ 80% electric power cost.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

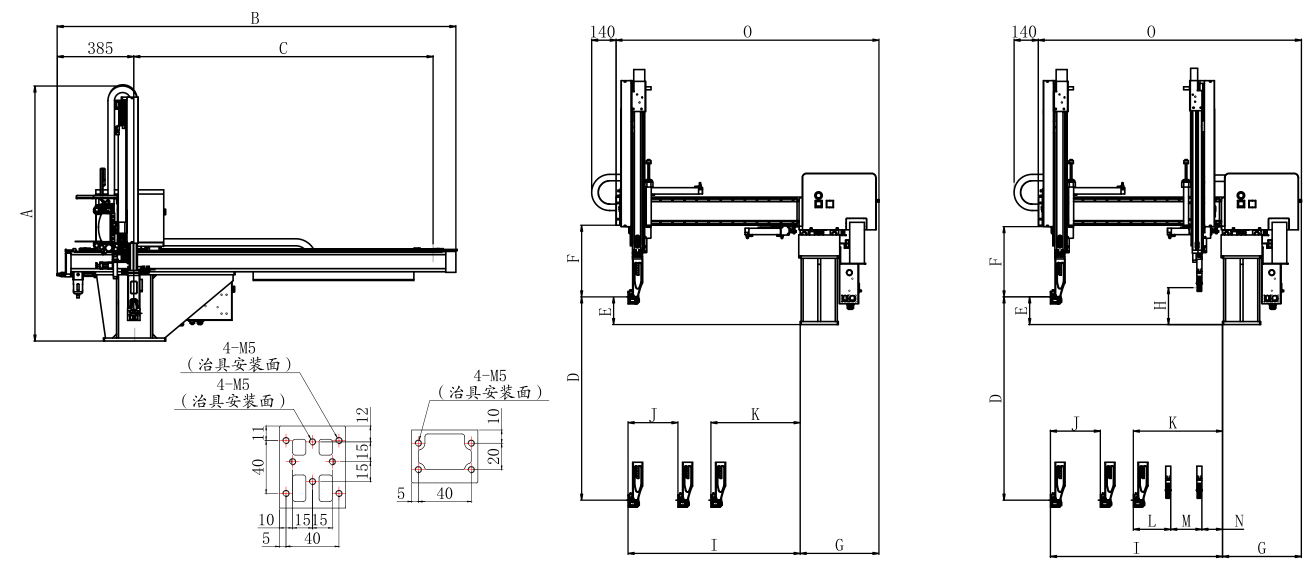
拓星链应用平台 Topstar link application platform

- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间(不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm	s	s	N.m	kg
ADW-80 IV-80-86-14TR	AC220 ±10% 50/60HZ	0.45	0.5~0.7	13.3	气缸/ Air Cylinder	90° 固定/ 90° Fixed	3	0.5	3	9	6.0	270~290
ADW-80 IV-90-86-14TR		0.45	0.5~0.7	13.3			3	0.5	3	9	6.0	
ADW-80 IV-100-86-16TR		0.45	0.5~0.7	13.3			3	0.5	3	9	6.0	
ADW-80S IV-80-86-14TR		0.45	0.5~0.7	23.7			3	0.5	3	9	6.0	
ADW-80S IV-90-86-14TR		0.45	0.5~0.7	23.7			3	0.5	3	9	6.0	
ADW-80S IV-100-86-16TR		0.45	0.5~0.7	23.7			3	0.5	3	9	6.0	

外形尺寸 Outer dimensions



单位：mm Unit: mm / 机型 Model		ADW-80 IV-80		ADW-80 IV-90		ADW-80 IV-100	
		ADW-80 IV-80-86-14TR	ADW-80S IV-80-86-14TR	ADW-80 IV-90-86-14TR	ADW-80S IV-90-86-14TR	ADW-80 IV-100-86-16TR	ADW-80S IV-100-86-16TR
A	总高 Total height	1360	1360	1400	1400	1460	1460
B	总长 Total length	1970	1970	1970	1970	2150	2150
C	走行行程 Traverse stroke	1400	1400	1400	1400	1600	1600
D	主臂上下行程 Main arm vertical stroke	800	800	900	900	1000	1000
E	主臂上下待机 Main arm standby height	165	165	165	165	165	165
F	夹具安装有效空间 Effective space for jig mounting	320	325	325	325	325	325
G	基座里侧面-箱体末端 Base internal side to end of the box	385	385	385	385	385	385
H	副臂上下待机 Sub-arm vertical standby	–	195	–	195	–	195
I	主臂前进最大值 Main arm max. fwd. movement	860	860	860	860	860	860
J	主臂前进最大行程 Main arm max. crosswise stroke	300	300	300	300	300	300
K	主臂前后待机最小值 Main arm min. crosswise standby	140	285	140	285	140	285
L	主副臂接近最小值 Min. space between main arm and sub-arm	–	195	–	195	–	195
M	副臂前进最大行程 Sub-arm max. crosswise stroke	–	150	–	150	–	150
N	副臂前后待机最小值 Sub-arm min. crosswise standby	–	85	–	85	–	85
O	前后臂末端-箱体末端 Crosswise end to box end	1300	1300	1300	1300	1300	1300
P	手臂下降后最小高度 Min. height of arm after descending	1080	1080	1180	1180	1280	1280
Q	治具安装尺寸 Jig mounting dimension — 动模面 Moveable platen	40x40，4xM5 / 30x30，4xM5					
	定模面 Fixed platen	20x40，4xM5					

注：正反向尺寸一致 Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	1-99点的位置动作 Positioning 1-99	取出侧姿势控制 Posture control at extract side	不良品排出回路 Defective product reject circuit	副臂单独动作 Sub-arm individual motion	胶口途中开放（去程，返程） Midway runner release (Move，Revert)	模内开放 Product release within mold	内部存储记忆（最大30种类型） Internal memory (for Max 30 molds)	输送带启动信号 Start signal of conveyor	2国语言切换（中文，英文） Two language exchange (Chinese /English)	欧规12 EURO-MAP 12	欧规67 EURO-MAP 67
ADW-80 IV-80-86-14TR	●	●	●	–	●	●	●	●	●	○	○
ADW-80 IV-90-86-14TR	●	●	●	●	●	●	●	●	●	○	○
ADW-80 IV-100-86-16TR	●	●	●	–	●	●	●	●	●	○	○
ADW-80S IV-80-86-14TR	●	●	●	●	●	●	●	●	●	○	○
ADW-80S IV-90-86-14TR	●	●	●	●	●	●	●	●	●	○	○
ADW-80S IV-100-86-16TR	●	●	●	●	●	●	●	●	●	○	○

注：标配功能“●”、选配功能“○”和“-”表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.

L-650[V]

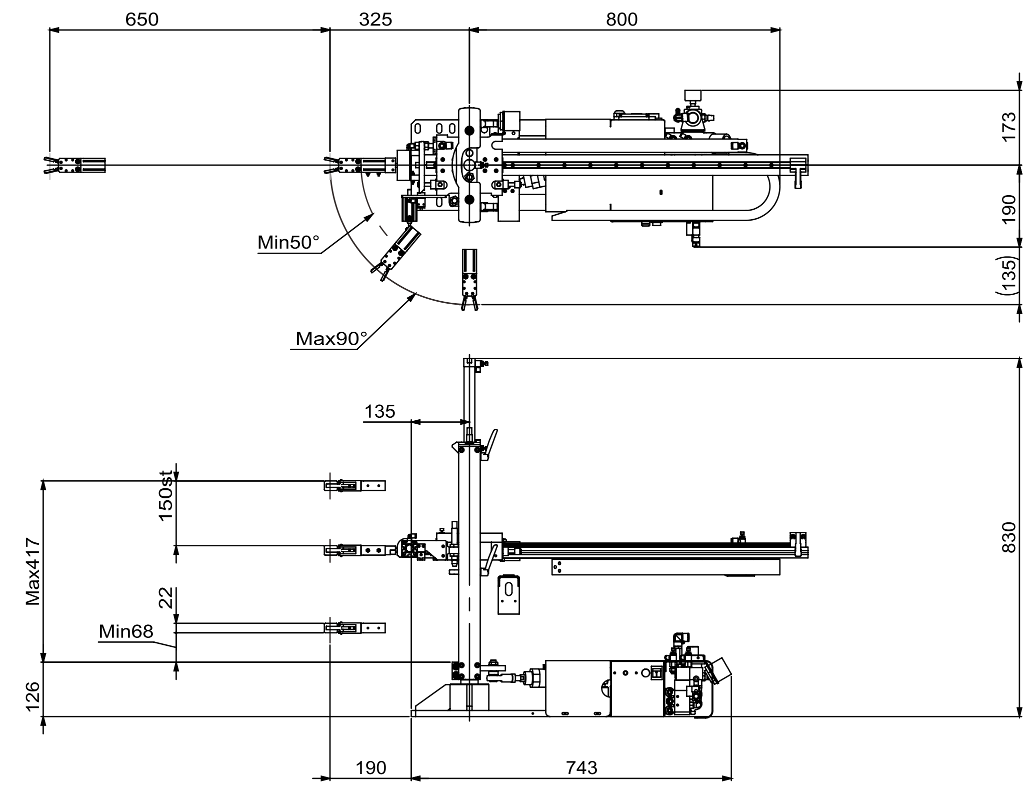
注塑机锁模力 Injection Press Range
80-150 ton

位置调整 Position adjustment

角度调整 Angle adjustment

反转 reversal

切换 switch



上下待机位置手柄调整功能 Vertical standby position adjustment function with handle.

- 旋转手柄可调节进入模具上下方向的位置
- Adjustment of top and bottom direction of entry position to mold is possible by turning the handle.

回转角度调整功能 Rotation angle adjustment function

- 简单机械调整可变更回转方向及回转角度
- Simple machine adjustment makes it possible to change the direction of rotation and to adjust the rotation angle

夹具部反转功能 Chuck part reversal function

- 夹具部反转可使浇口释放平顺完成
- Sprue runner release is performed smoothly by chuck twist

固定侧・可动侧切换 Extraction from fixed & moving side mold

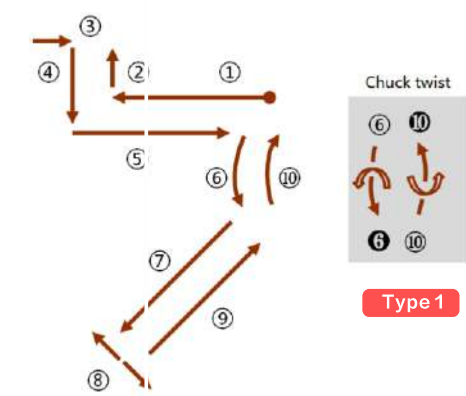
- 固定侧可动侧对应切换
- Sprue runner of fixed part mold can be extracted

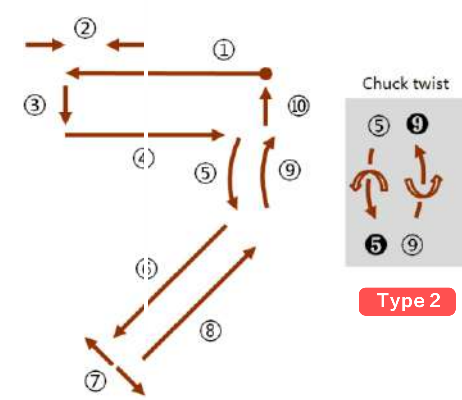
基本参数 Basic Parameters

	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	夹具部反转 Chuck twist	最大可搬重量 Max.Load	行程 Stroke			本体重量 Net Weight
								上下Vertical	前后Crosswise	回转 Swing	
单位 Unit	V	KW	Mpa	Nl/cycle	—	—	kg	mm			kg
L-650[V]	AC220V ±10% 50/60HZ	0.1	0.5~0.7	15.1	气缸 Air Cylinder	180°	2 【含夹具重量 Incl Chuck Weight】	120	650	50~90° 【0°固定 Fixed】	30

基本动作 MOTION PATTERN

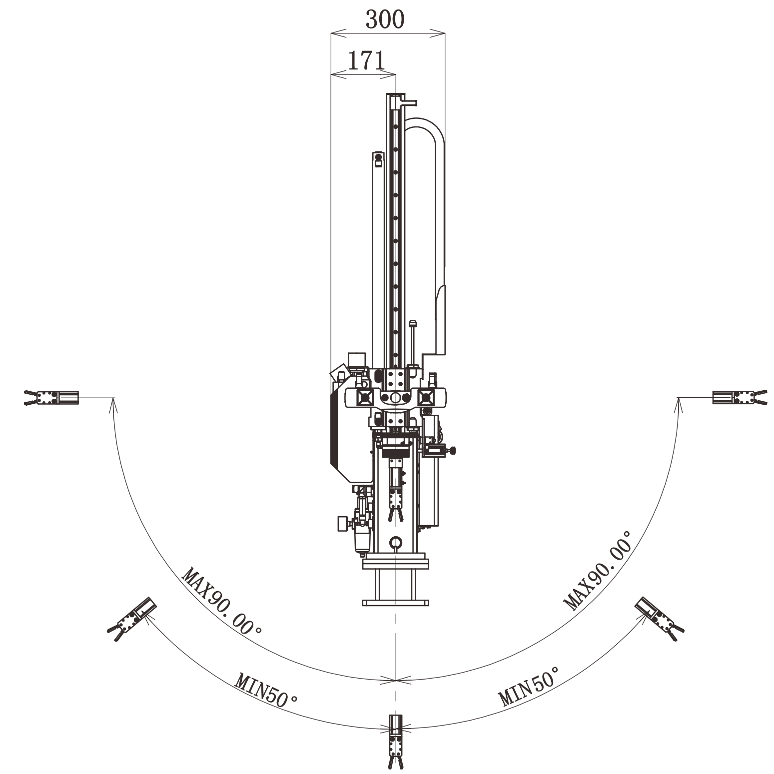
Type 1	Type 2
① 前进 Crosswise advance	① 前进 Crosswise advance
② 上升 Ascent	② 产品夹取 Sprue grip
③ 产品夹取 Sprue grip	③ 引拔 Crosswise retreat
④ 引拔 Crosswise retreat	④ 后退 Retreat
⑤ 后退 Retreat	⑤ 回转 Swing action
⑥ 回转 Swing action	❺ 夹具部反转 Chuck twist
❻ 夹具部反转 Chuck twist	⑥ 前进 Crosswise advance
⑦ 前进 Crosswise advance	⑦ 产品释放 Sprue release
⑧ 产品释放 Sprue release	⑧ 后退 Retreat
⑨ 后退 Retreat	⑨ 回转复归 Swing return
⑩ 回转复归 Swing return	❾ 夹具部反转复归 Chuck twist return
❿ 夹具部反转复归 Chuck twist return	⑩ 待机位置复归 Crosswise advance

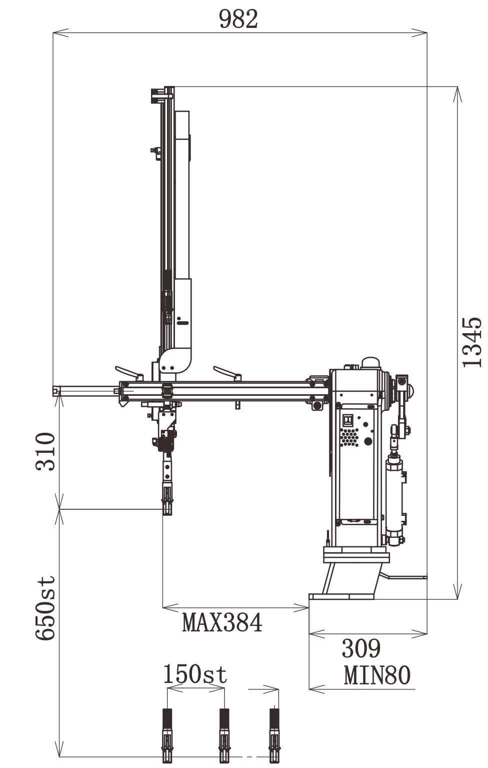




X-650[V]

注塑机锁模力 Injection Press Range
80-150 ton



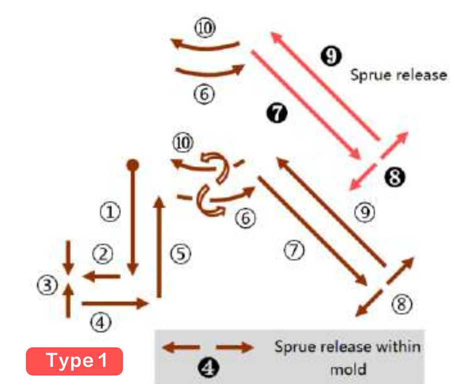


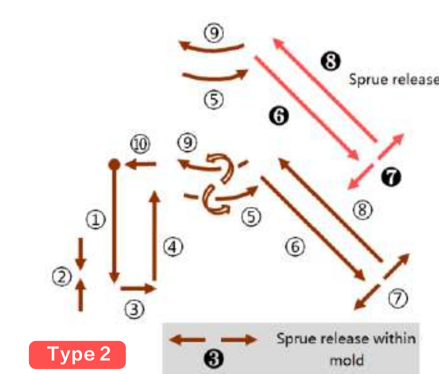
基本参数 Basic Parameters

	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	夹具部反转 Chuck twist	最大可搬重量 Max.Load	行程 Stroke			本体重量 Net Weight
								上下Vertical	前后Crosswise	回转 Swing	
单位 Unit	V	KW	Mpa	Nl/cycle	——	——	kg	mm			kg
X-650[V]	AC220V ±10% 50/60HZ	0.1	0.5~0.7	17.7	气缸 Air Cylinder	90°	2 【含夹具重量 Incl Chuck Weight】	650	120	50~90° 【0°固定 Fixed】	52

基本动作 MOTION PATTERN

Type 1	Type 2
① 下降 Descent	①下降 Descent
② 前进 Crosswise advance	② 产品夹取 Product grip
③ 产品夹取 Product grip	③ 引拔 Crosswise retreat
④ 引拔 Crosswise retreat	❸ 产品释放 Product release within mold
❹ 产品释放 Product release within mold	④ 上升 Ascent
⑤ 上升 Ascent	⑤ 回转 Swing action
⑥ 回转 Swing action	夹具部反转（产品侧）Chuck twist（product side）
夹具部反转（产品侧）Chuck twist（product side）	⑥ 下降 Arm extend
⑦ 下降 Arm extend	⑦ 产品释放 Product release
⑧ 产品释放 Product release	⑧ 上升 Arm retreat
⑨ 上升 Arm retreat	⑨ 回转复归 Swing return
⑩ 回转复归 Swing return	夹具部反转复归（产品侧）Chuck twist return（product side）
夹具部反转复归（产品侧）Chuck twist return(product side）	⑩ 待机位置复归 Crosswise advance





机械手选配项
Robot Optional items

C轴
C axis

B轴
B axis

伺服回转+翻转（AC轴）
Servo rotation + flip (AC axis)

伺服回转+翻转（BC轴）
Servo rotation + flip (BC axis)

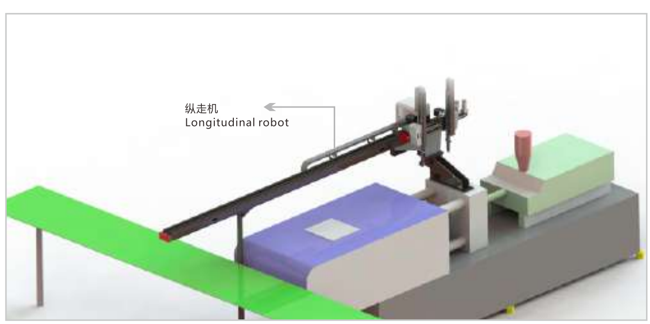
中板检查
Middle plate sensor

欧规12
Euromap12

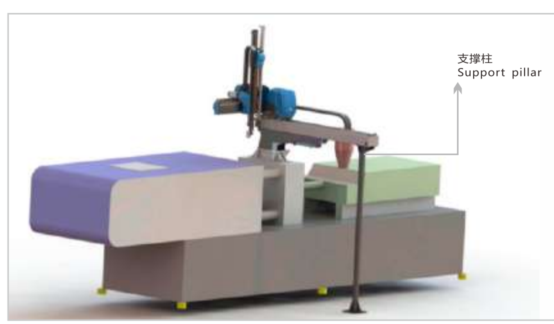
欧规67
Euromap67

电动油脂润滑泵
Electric lubricating pump

手动油脂润滑泵
Manual lubricating pump



纵走机应用案例
Longitudinal robot application case



支撑柱应用案例
Support pillar application case

客户服务篇
CHAPTER OF SERVICE

售后服务
AFTER-SALE SERVICE

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We launched the "4 fast" standard service

快速响应
Fast Response

快速响应客户的需求，收集客户的现场信息并记录故障，给出保养合理化建议；

Quickly respond to customer needs, collect customer site information and record the failure, give reasonable maintenance Suggestions;

快速到达
Fast Arrival

快速到达客户现场，进行设备维修；

Quickly arrive at customer site for equipment maintenance;

快速处理
Fast Processing

快速处理，帮助客户第一时间将设备调整到最佳状态；

Quickly processing to help customers adjust the equipment to the best state in the first time;

快速验收
Fast Acceptance

快速完成服务项目验收。

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正崴集团	卫龙	长盈精密
欣旺达	伯恩光学	立讯精密
长城汽车	比亚迪	富士康
华为	宇瞳光学	旺盈包装
三一重工	精研科技	新宝电器