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TSDQH2017-A

TOPSTAR 拓斯达

股票代码300607

机械手产品篇

让工业文明回归自然之美
Let Industrial Civilization Return To Natural Beauty



让工业文明回归自然之美 *Let Industrial Civilization Return To Natural Beauty*

作为中国整厂自动化第一品牌，拓斯达专注于高端智能装备，主张让工业文明回归自然之美的品牌价值，即随着技术不断进步与突破，用智能系统替代人工，开拓可替代的应用领域，推动产业进步助力企业发展，同时把制造业从劳动密集型带入完全的自动化，回归到自然，人性，和谐的状态。

As the top brand of complete factory automation in China, TOPSTAR focuses on high-end innovative equipment, proposes the brand value of *Let Industrial Civilization Return To Natural Beauty*. We initiate to replace labor with intelligent systems, expand replaceable application areas and promote industrial progress to help enterprise developing, transform labor intensive type to full automation and return to a natural, human-oriented and harmonious status.

新出现的文明与传统的旧工业文明有许多矛盾之处：它既有高度的科学技术，同时又是反工业化的。

摘自《第三次浪潮》
——阿尔文·托夫勒

Much in this emerging civilization contradicts the old traditional industrial civilization. It is, at one and the same time, highly technological and anti-industrial.

from *TheThird Wave*,
Alvin Toffler

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产品展示 Products



横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



横走式单轴伺服机械手
Single Axis AC Servo Driven Robots



旋转式机械手
Swing-Arm Robots

公司简介

广东拓斯达科技股份有限公司（SZ.300607）是一家获得国家级高新技术企业认定的智能制造综合服务商，专注于工业机器人代表的智能装备的研发、制造、销售，致力于打造系统集成+本体制造+软件开发三位一体的工业机器人生态系统和整体自动化解决方案。

2007年成立以来，坚持“让工业文明回归自然之美”的品牌主张及“做一年回本的自动化”的核心价值观理念，企业一直保持着高速增长的态势，2015年被国家工信部电子信息产业发展研究院评为“中国工业自动化领军企业”。主要客户包括世界500强企业在内的国内外知名企业近4千家，销售服务网络遍布全国，产品远销亚、美、欧、非等30多个国家。

2014年，被世界权威杂志《福布斯》评为“中国非上市潜力企业百强”第30名；2015年，被国际四大会计师事务所之一安永联合复旦大学评为“中国最具潜力企业”，同时荣获广东省级企业技术中心、广东省高成长性中小企业，作为唯一一家机器人企业入选广东省制造业500强。2014、2015年度高工金球奖等多项荣誉。2016年被评定为广东省首批机器人骨干企业，多次受到省、国家部委、市领导高度评价。

拓斯达聚集了加拿大、韩国、台湾等全球顶尖研发人才，长期与清华大学、华中科技大学、华南理工大学、东莞理工等研究机构和知名高校开展了产学研合作。企业获得国家授权的发明及实用新型专利100项，软件著作权10项。具有完全自主知识产权的直角坐标机器人荣获广东名牌产品3个，广东高新技术产品5项，多项产品通过欧洲CE认证。



Company profile

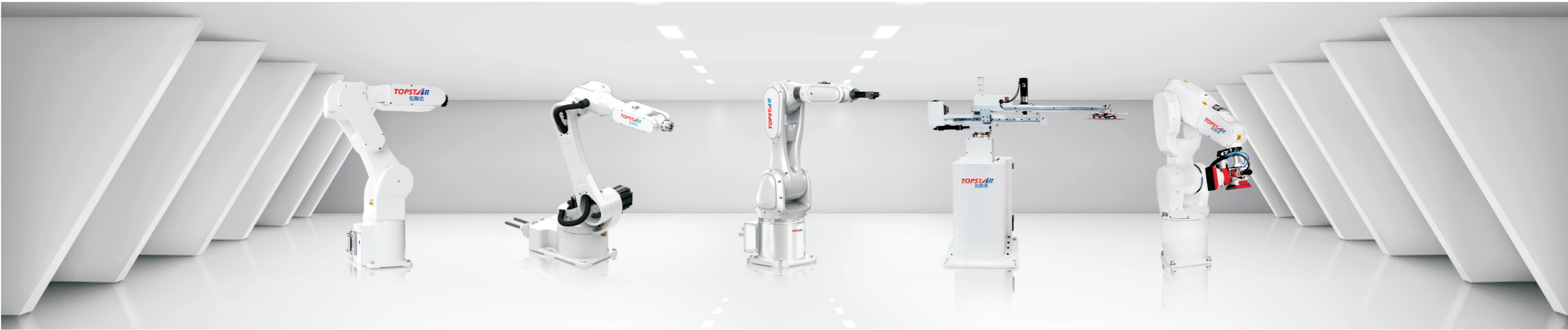
Guangdong Topstar Technology Co., Ltd. (SZ.300607) is a national high-tech enterprise which provides the intelligent manufacturing integrated service, focusing on the R&D, manufacturing and sale of the industrial robots as the representative of intelligent equipment, dedicated to systems integration, products manufacturing and software development--three in one integration of industrial robot ecosystems and overall automation solution.

Since the establishment in 2007, adhering to the brand advocate "Let Industrial Civilization Return To The Natural Beauty" and the core value "one year investment return for the automation solution", the business has maintained a rapid growth. In 2015, Topstar was named "China Industrial Automation Leading Enterprise" by the State Ministry of Information Industry Development Institute. We have served about 4000 customers in domestic and oversea market, including well-known companies from Global 500. Now our sales and service network are all over the country in China and the products have been exported to more than 30 countries in Asia, America, Europe, Africa, etc.

In 2014, we were ranked on the 30th as "Potential 100 Non-Listed Chinese Enterprises" by Forbes. In 2015, we were named "China's Most Potential Enterprise" by Ernst & Young with Fudan University, at the same time won the Guangdong Provincial-level Enterprise Technical Center, the Rapid Growth of Small&Medium Enterprises of Guangdong Province, and as the only one robot enterprise selected in Guangdong Province Manufacturing 500, honored "2014 and 2015 Annual Golden Globe" by GG Robots, etc. In 2016, was assessed as the first batch of robot key enterprises in Guangdong Province. Our enterprise is highly appreciated by national ministries, provincial and municipal leaders.

Topstar has recruited top R&D experts from Canada, Korea and Taiwan, and carried out long-term research cooperation with Tsinghua University, Huazhong University of Science and Technology, South China University of Technology, Dongguan Institute of Technology and other research institutions and well-known colleges. We have achieved 100 national patents and 10 software copyrights. Three kinds of Robots with independent intellectual property were named Guangdong Provincial Famous Brand and five kinds of machines were named Guangdong High-Tech Products. Many machines have been certified by CE.





智能制造综合服务商

广东省首个登陆创业板的机器人企业
 广东省首批机器人骨干企业
 首倡“做一年回本的自动化解决方案”服务理念
 也是中国“无人工厂”、“智慧工厂”、“智能制造”的早期践行者
 多次获得“最具投资价值企业”、“最具成长性企业”等殊荣

Intelligent manufacturing integrated service providers

The first robot enterprise in Guangdong Province landed on the GEM.
 The first batch of robot backbone enterprise in Guangdong Province.
 Initiated a service philosophy of “To do automation solution which can back within one year” .
 It is also the pioneer of China’ s’ Unmanned Factory’ ,’ Wisdom factory’ ,’ Intelligent manufacturing’ .
 Awarded with ‘The Enterprise With the Best Investment Value’ ,’ The Enterprise With the Most Growth’ and many other honers.

企业文化

公司宗旨
全心全意为客户服务。

公司愿景
让工业文明回归自然之美。

公司使命
聚焦全球制造业智能化需求，为客户提供有竞争力的智能制造解决方案与服务。

公司定位
专注建立工业机器人、自动化解决方案生态圈的全球智能制造综合服务商。

核心价值观
诚信：坦诚相待，信守承诺，说到做到，打造信用体系
务实：实干，彻底执行，结果导向
专注：精益求精，将平凡的事情做到极致
创新：保持求道之心，不断改良，持续成长

企业理念
共赢：与客户、员工、伙伴、股东等彼此成就，共同成长
分享：集众人之力，实现凭一己之力所无法达成目标，利益共享
感恩：用实际行动回报社会及各利益相关者

企业精神
乐于拼搏，勇于进取

Company Culture

Company Purpose
Serve customers wholeheartedly.

Corporate Vision
Let the industrial civilization to regain nature beauty.

Corporate Mission
Focus on global manufacturing intelligence needs, providing a competitive manufacturing intelligence solutions and services to customers.

Corporate Positioning
Focus on the establishment of industrial robots, automated solutions for the ecological circle of intelligent manufacturing integrated service providers.

Core Values
To be honesty: Treating frankly, keeping our promise and suiting the action to the word for buiding a credit system .
To be pragmatic: Seeking truth from facts, implementing orders thoroughly, making the results as a test satandard.
To be dedicated: Pursuing perfection and making the ordinary things excellent.
To be innovative: Maintaining a modest attitude, continuing to improve and grow.

Corporate Philosophy
Win-win: Enterprise growth with customers, employees, partners, shareholders together.
Share: Setting the power of everyone to achieve the goal which can not achieve by their own, and sharing benefits with them.
Gratitude: Return to society and stakeholders with practical actions.

Entrepreneurial Spirit
Be happy to struggle and bold to make progress.



拓斯达不是雇佣和解雇型企业，而是打造创业型平台，集众人之力，实现凭一己之力所无法达成目标的平台，其核心精神是“分享”。

——《拓斯达宣言》

TOPSTAR is not a hiring or dismissal enterprise, but aim to create a business platform, which setting the power of everyone to achieve the goal which can not achieve by their own. Its core spirit is 'Share'.

《TOPSTAR'S Declaration》

发展历程
Development History

2007 奇迹起点 横空出世

- 确立“打造世界一流品质”的企业和产品定位；
- 制订出行业第一个内部标准，细化每个制程，专注产品细节。
- 重新定义了行业最高端产品的标准。

2008 技术先行 迅速崛起

- 研发出新型节能三机一体，省电70%以上；
- 行业首创直接冷却160度水温机，降温速度缩短80%；
- 业绩保持50%以上的增幅。

2009 抓住机遇 高歌猛进

- 成立拓斯达商学院；
- 成为海天注塑机合格配套供应商；市场成交客户量突破一千家；
- 二厂正式成立，钣金完全自制，产量再上新台阶。

2010 系统整合 整体输出

- 无锡分公司成立，设立上海、昆山、苏州等地办事处；
- 与清华大学强强联手，引入最先进的企业管理理念，成立拓斯达商学院；
- 成功并购机械手生产厂商，成为自动化系统输出全套产业链运营商，产能扩大5倍以上。

2011 众志成城 阔步前行

- 自主研发的三轴、五轴伺服机械手下线，通过客户验证并获得广泛好评；
- 建立整体设备维修外包规模60人以上的客服中心，提供全方位的维修外包服务；
- “华南塑料工业高端论坛”在商学院正式成立。

2012 立足国内 布局全球

- 外贸部成功打开东南亚、欧洲、南美洲等地市场；
- 市场部迈入正轨，覆盖全国；
- 与华南理工大学签署产学研合作协议；
- 获得国家高新技术企业称号。

2013 增资扩产 海纳百川

- 投资6亿扩产，建设国内最大的自动化制造基地，该项目被纳入东莞市重点建设项目；
- 成立浙江分公司；
- 机械手获得广东省名牌产品，多项产品通过CE认证；
- 面向全球引进人才，组建自动化项目部；
- 成功导入3D打印机项目。

2014 成功上市 乘风破浪

- 被评定为“福布斯中国非上市潜力企业百强”，排第30名；
- 荣获高工机器人“全球奖”；
- 汽车领域专用大吨位牛头机成功下线应用于客户现场；
- 9月81亩地新厂区奠基开工，届时将成为华南最大的自动化生产基地；
- 12月成功在新三板挂牌上市（股票代码：831535）并实现同步定增，引入第二轮风投；
- 北京、武汉两大营销中心成立，并在全国各省市新设20多个办事处。

2015 布局深耕 逆势成长

- 申报创业板上市；被安永联合复旦评为“中国最具潜力企业”；
- 荣获4项高工机器人“全球奖”；
- 被工信部直属机构评选为“中国自动化领军企业”；
- 自动化行业首个在线平台“达云在线”上线运营，信息化建设高速前进；
- 与清华大学签订清大拓斯达机器人开发框架合作协议；

2016 合纵连横 打造生态

- 战略合作签约ABB，携手国际巨头，打造机器人生态圈；
- 本体TSR090-05成功上市；
- 被评为首批“广东省机器人骨干企业”；广东省机器人名牌产品；
- 确立四大事业部，商学院、机器人研究院，矩阵式组织架构；
- 创业板上市成功过会；

What we are proud of is
not just history.....

骄傲,不仅仅是历史.....

资质评定 Qualification evaluation

拓斯达坚持技术为王的经营理念，先后取得了各项高新技术企业的资质和认证，为客户提供最先进和高端的产品。

TOPSTAR adheres to the business philosophy, which puts technology in the dominant position. It has successively obtained many qualifications and certifications of high-tech enterprises, and provided the most advanced and high-end product to customers.



国家级高新技术企业认证
欧盟CE认证
ISO9001质量体系认证
广东省名牌机器人
广东省名牌机械手
机器人控制系统软件著作权5项
累计产品技术专利100项
广东省级企业技术中心
华南理工大学产学研合作基地
校企合作实践基地
.....



National high-tech enterprise certification
CE Certification
ISO9001 Quality System Certification
Guangdong Province Top Brand Robot
Guangdong Province Top Brand Manipulator

Five kinds of copyright in software of Robot control system
100 technology patents for products
Guangdong provincial enterprise technology center
South China University of Technology production and research cooperation base
School-enterprise cooperation practice base

行业影响 Industry Influence

拓斯达致力于为客户打造健康机器人生态圈，提供有竞争力的自动化解决方案和服务。与国内外知名企业保持良好的合作关系，更好服务行业发展和客户需求。

TOPSTAR commits to creating a healthy robot ecosystem for customers, providing competitive automation solutions and services. And it establishes a good working relationship with famous domestic and foreign enterprises, provides a better service for industry development and customer demand.



机械手选型导引 Model Selection Guide

驱动方式 / Drive	锁模力/Mold Clamping force (Ton)															
	小型/small-sized I.M.M						中型/Middle-sized I.M.M				大型/Large-sized I.M.M					
	0	30	80	100	150	180	220	350	450	550	850	1000	1300	1600	2000	3000
3/5轴伺服 3/5 axes AC servo	MBW-200															
	MBW-170															
	MBW-130															
	MEW-170 MEW-170s															
	MD-120 MD-120s															
	MEW-120 MEW-120s															
	MDW-110 MDW-110s															
	MD-80 MD-80s															
	MDW-80 MDW-80s															
	MEW-80 MEW-80s															
2轴伺服& 气缸 2 axes AC servo & Air Cylinder	MD-50 MD-50s															
	HD-80															
	HE-80															
单轴伺服气缸 Single AC servo Air Cylinder	ADW-120 ADW-120s															
	AD-80 AD-80s															
	ADW-80 ADW-80s															
旋转式机械手 Swing-Arm Robots	L-550/650(V)															
	X-550/650(PR,V)															

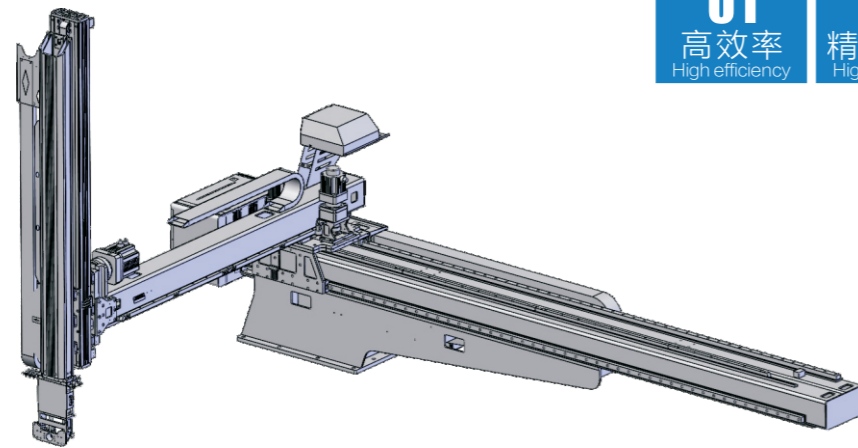
技术规格 Technical Specification

机种(系列)	IMM(TON)	电源(V)	最大消费电力(KW)	使用气压(Mpa)	空气消费量(Nl/cycle)	驱动方式	姿势(气缸)
MBW-200	1600-4000	AC380±10% 50/60Hz	6.5	0.5-0.7	7.2	伺服马达	90° 固定
MBW-170	850-1600	AC220±10% 50/60Hz	2.4	0.5-0.7	26	伺服马达	90° 固定
MBW-130	550-1300	AC220±10% 50/60Hz	2.3	0.5-0.7	24	伺服马达	90° 固定
MEW-170s	850-1600	AC220±10% 50/60Hz	3.2	0.5-0.7	32	伺服马达	90° 固定
MD-120s	350-450	AC220±10% 50/60Hz	2.8	0.5-0.7	3.6	伺服马达	90° 固定
MEW-120s	350-450	AC220±10% 50/60Hz	2.8	0.5-0.7	18	伺服马达	90° 固定
MDW-110s	350-850	AC220±10% 50/60Hz	2.8	0.5-0.7	27	伺服马达	90° 固定
MD-80s	100-220	AC220±10% 50/60Hz	2.1	0.5-0.7	2.9	伺服马达	90° 固定
MDW-80s	100-220	AC220±10% 50/60Hz	2.8	0.5-0.7	2.9	伺服马达	90° 固定
MEW-80s	100-220	AC220±10% 50/60Hz	2.35	0.5-0.7	2.9	伺服马达	90° 固定
MD-50s	30-150	AC220±10% 50/60Hz	2.1	0.5-0.7	1.8	伺服马达	90° 固定
HD-80	100-220	AC220±10% 50/60Hz	2	0.5-0.7	2.9	伺服马达	90° 固定
HE-80	100-220	AC220±10% 50/60Hz	1.6	0.5-0.7	2.9	伺服+气缸	90° 固定
ADW-120s	350-550	AC220±10% 50/60Hz	0.8	0.5-0.7	72	伺服+气缸	90° 固定
AD-80s	100-220	AC220±10% 50/60Hz	0.45	0.5-0.7	24	伺服+气缸	90° 固定
ADW-80s	100-220	AC220±10% 50/60Hz	0.45	0.5-0.7	32.9	伺服+气缸	90° 固定
L-650(V)	80-150	AC220±10% 50/60Hz	0.1	0.5-0.7	9.5	气缸	-
X-650(PR,V)	80-150	AC220±10% 50/60Hz	0.1	0.5-0.7	22.5	气缸	-

机种(系列)	最大可搬重量(Kg)	姿势力矩(N.m)	主臂上下(mm)	副臂上下(mm)	前后(mm)	走行(mm)	本体重量(Kg)
MBW-200	30	110	2000/2500/3000	-	460-2000	3000/3500	1800
MBW-170	20	57.7	1500/1700/2000	-	275-1875	2500/3000	1380
MBW-130	15	57.7	1300/1500	-	270-1280	2000/2500	880
MEW-170s	20	57.7	1500/1700/2000	1500/1700/2000	455-1655	2500/3000	1450
MD-120s	5	10.1	1200/1400	1250/1450	210-1050	1800	300
MEW-120s	8	10.1	1400	1450	395-1020	1800	450
MDW-110s	10	57.7	1100/1500	1150/1550	120-1300	2000/2500	636
MD-80s	5	10.1	800/900	850/950	255/790	1400/1600	221
MDW-80s	5	10.1	1000	1000	310-840	1600	397
MEW-80s	5	10.1	900	950	120-740	1400/1600	250
MD-50s	5	10.1	600	650	130-550	1200	180
HD-80	3	10.1	800/900	-	120-790	1400/1600	200
HE-80	3	10.1	800/900	-	150-770	1400/1600	200
ADW-120s	10	57.7	1200/1600	1250/1650	-	2000	532
AD-80s	3	6	600/800/900	600/800/900	主臂300/副臂150	1400/1600	208
ADW-80s	3	6	900/1000	900/1000	主臂300/副臂150	1400/1600	279
L-650(V)	2	-	650	-	-	-	39
X-650(PR,V)	2	-	650	-	-	-	52

注: 上表能更好的帮助您选择合适的机械手。

MBW-200



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range
1600~4000ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MBW-200
电源 Power Source	V	AC380 ± 10% 50/60HZ
最大消费电力 Max Power Consumption	KW	6.5
使用气压 Air Pressure	MPa	0.5 ~ 0.7
空气消费量 Air Consumption	NI/cycle	7.2
驱动方式 Drive System	—	伺服马达 / AC SERVO MOTOR
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° FIXED
■ 气缸推力(气压0.5MPa时) Air Cylinder Driving Force (Air Pressure at 0.5MPa)		
最大可搬重量 Max.Load	Kg	30【含夹具重量 / INCL CHUCK WEIGHT】
姿势力矩 Posture Torque	N · m	110
■ 行程 Stroke		
主臂上下 Main-arm Vertical	mm	2000/2500/3000
副臂上下 Sub-arm Vertical	mm	—
前后 Crosswise	mm	460 ~ 2000 (460 ~ 2300)
走行 Traverse	mm	3000/3500
■ 本体重量 Net Weight		
本体 Main Body	Kg	1800
操作盒 Pendant	Kg	1.6

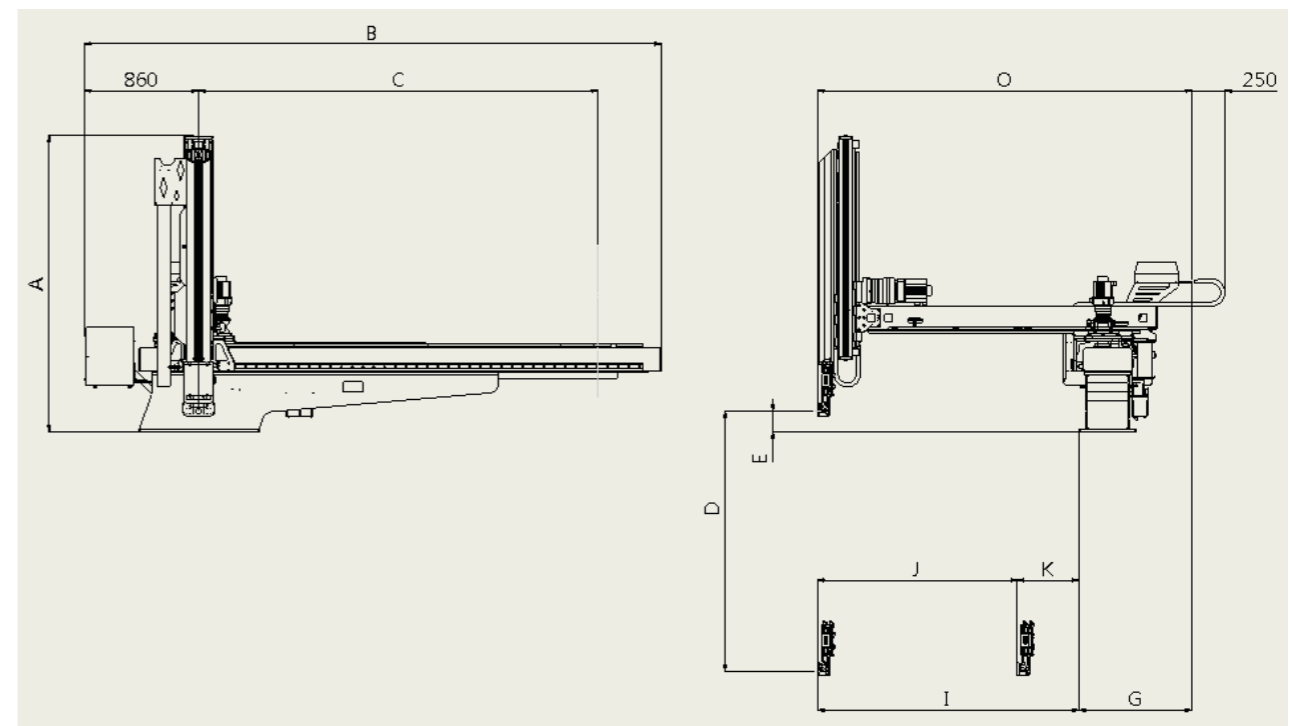
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256 points)	水口模内开放 Runner release within mold
自由装箱点 (115点 × 2处) Free packaging motion (115points × 2stage)	吸着确认单元 (2回路) Vacuum confirmation unit (2 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory (for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange (Chinese/English)
胶口途中开放(去程, 返程) Midway runner release (Move, Revert)	

选项功能 Option function

- ◆ 夹具内剪刀回路 Air nipple circuit in gripper
- ◆ 上升途中闭模 Mold close during ascend
- ◆ NT剪切·可动侧 NT runner cutting
- ◆ 回转单元 Rotation unit
- ◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)
- ◆ 顶针后退连动 Ejector return link
- ◆ 制品夹取4回路 Product gripping 4 circuits
- ◆ 欧规67 EUROMAP 67nb

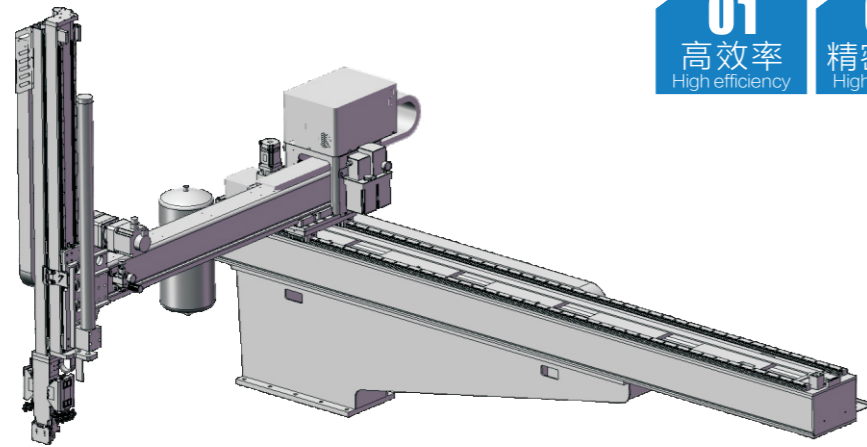
产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	MBW-200
A 总高 Overall height		2310(2550)[2790]mm
B 总长 overall length		4335(4815)mm
C 走行行程 Traverse stroke		3000(3500)mm
D 主臂上下行程 Main-arm vertical stroke		2000 (2500) [3000]mm
E 主臂上下待机 Main-arm vertical standby		190mm
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		—
G 底座里侧面-箱体末端 Base side face-Box end		850mm
H 副臂上下待机 Sub-arm Vertical standby		—
I 主臂前进最大值 Main-arm reach max		2000(2300)mm
J 主臂前进最大行程 Main-arm crosswise stroke max		1500(1800)mm
K 主臂前后待机最小值 Main-arm crosswise standby min		460mm
L 主副臂接近最小值 Main/Sub-arm proximity min		—
M 副臂前进最大行程 Sub-arm crosswise stroke max		—
N 副臂前后待机最小值 Sub-arm crosswise standby min		—
O 前后臂末端-箱体末端 Crosswise arm end-Box end		2810(3130)mm

- 当尺寸C是3000mm时, 尺寸B为4335mm ○ when dimension C is 3000mm, B is 4335mm
- 当尺寸C是3500mm时, 尺寸B为4815mm ○ when dimension C is 3500mm, B is 4815mm
- 当尺寸D是2000mm时, 尺寸A为2310mm ○ when dimension D is 2000mm, A is 2310mm
- 当尺寸D是2500mm时, 尺寸A为2550mm ○ when dimension D is 2500mm, A is 2550mm
- 当尺寸D是3000mm时, 尺寸A为2790mm ○ when dimension D is 3000mm, A is 2790mm
- 当尺寸J是1500mm时, 尺寸I为2000mm, 尺寸O为2810mm ○ when dimension J is 1500mm, I is 2000mm, O is 2810mm
- 当尺寸J是1800mm时, 尺寸I为2300mm, 尺寸O为3130mm ○ when dimension J is 1800mm, I is 2300mm, O is 3130mm

MBW-170



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

850~1600ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MBW-170
电源 Power Source	V	AC220 ± 10% 50/60Hz
最大消费电力 Max Power Consumption	KW	2.4
使用气压 Air Pressure	MPa	0.5~0.7
空气消费量 Air Consumption	NI/cycle	26
驱动方式 Drive System	—	伺服马达 / AC Servo Motor
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed
■ 气缸推力(气压0.5MPa时) Air Cylinder Driving Force (Air Pressure at 0.5MPa)		
最大可搬重量 Max.Load	Kg	15(20)【含夹具重量 / Incl Chuck Weight】
姿势力矩 Posture Torque	N · m	57.7
■ 行程 Stroke		
主臂上下 Main-arm Vertical	mm	1500/1700/2000
副臂上下 Sub-arm Vertical	mm	—
前后 Crosswise	mm	275 ~ 1875
走行 Traverse	mm	2500/3000
■ 本体重量 Net Weight		
本体 Main Body	Kg	1245~1380
操作盒 Pendant	Kg	1.6

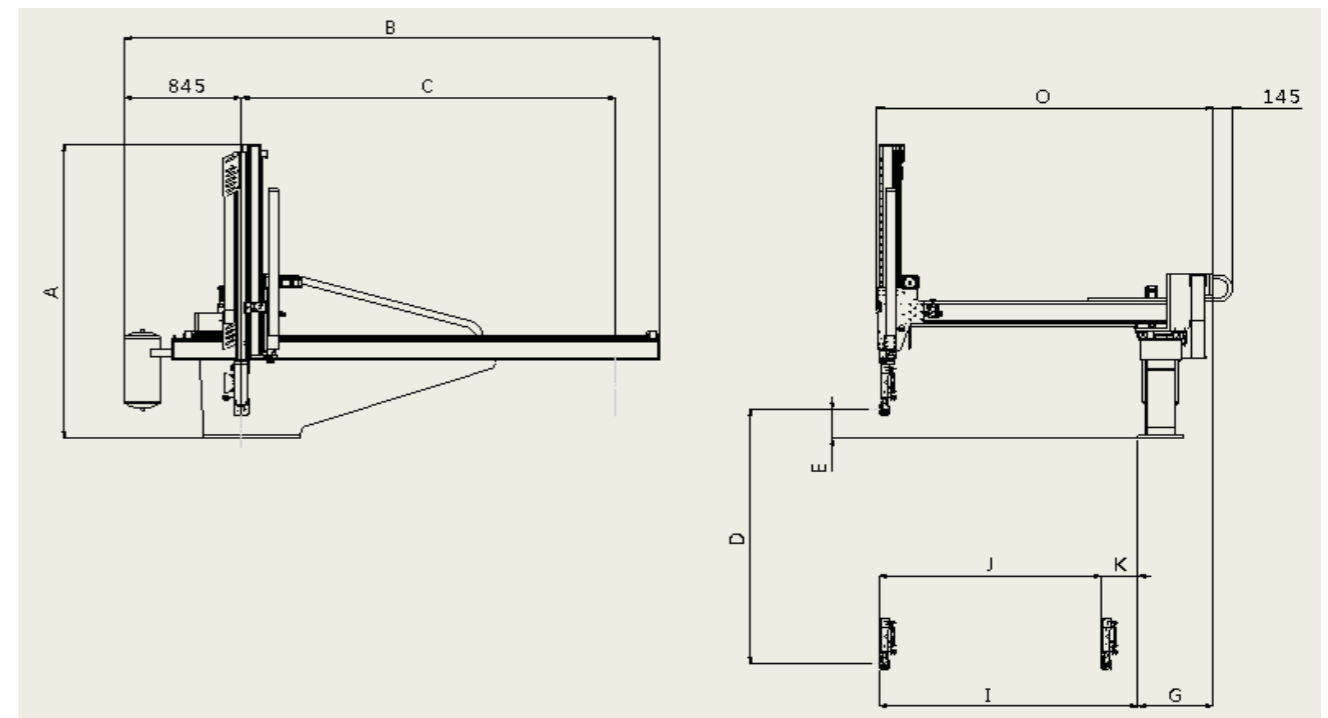
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256 points)	水口模内开放 Runner release within mold
自由装箱点 (115点×2处) Free packaging motion (115points×2stage)	吸着确认单元 (2回路) Vacuum confirmation unit (2 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory (for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange (Chinese/English)
胶口途中开放(去程, 返程) Midway runner release (Move, Revert)	

选项功能 Option function

- ◆ 夹具内剪刀回路 Air nipple circuit in gripper
- ◆ 上升途中闭模 Mold close during ascend
- ◆ NT剪切·可动侧 NT runner cutting
- ◆ 回转单元 Rotation unit
- ◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)
- ◆ 顶针后退连动 Ejector return link
- ◆ 制品夹取4回路 Product gripping 4 circuits
- ◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram

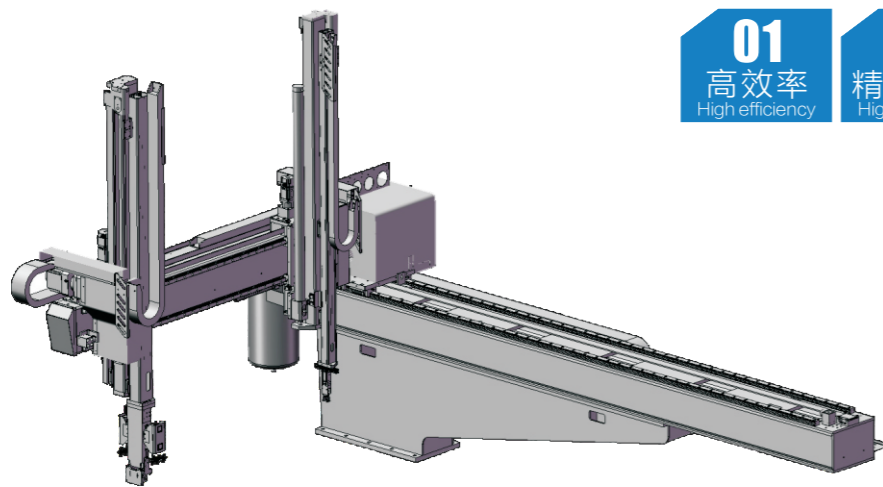


外形尺寸	OUTER DIMENSIONS	MBW-170
A 总高 Overall height		2200(2320)[2440]mm
B 总长 overall length		3703(4183)mm
C 走行行程 Traverse stroke		2500(3000)mm
D 主臂上下行程 Main-arm vertical stroke		1500 (1700) [2000]mm
E 主臂上下待机 Main-arm vertical standby		336mm
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		—
G 底座里侧面-箱体末端 Base side face-Box end		680mm
H 副臂上下待机 Sub-arm Vertical standby		—
I 主臂前进最大值 Main-arm reach max		1875mm
J 主臂前进最大行程 Main-arm crosswise stroke max		1600mm
K 主臂前后待机最小值 Main-arm crosswise standby min		275mm
L 主副臂接近最小值 Main/Sub-arm proximity min		—
M 副臂前进最大行程 Sub-arm crosswise stroke max		—
N 副臂前后待机最小值 Sub-arm crosswise standby min		—
O 前后臂末端-箱体末端 Crosswise arm end-Box end		2555mm

- 当尺寸C是2500mm时, 尺寸B为3703mm
- 当尺寸C是3000mm时, 尺寸B为4183mm
- 当尺寸D是1500mm时, 尺寸A为2200mm
- 当尺寸D是1700mm时, 尺寸A为2320mm
- 当尺寸D是2000mm时, 尺寸A为2440mm
- when dimension C is 2500mm, B is 3703mm
- when dimension C is 3000mm, B is 4183mm
- when dimension D is 1500mm, A is 2200mm
- when dimension D is 1700mm, A is 2320mm
- when dimension D is 2000mm, A is 2440mm

MEW-170 / MEW-170S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

850~1600ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MEW-170	MEW-170S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	3.2	
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	32	
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.5MPa时) Air Cylinder Driving Force (Air Pressure at 0.5MPa)			
最大可搬重量 Max.Load	Kg	15(20)【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	57.7	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	1500/1700/2000	1500/1700/2000
副臂上下 Sub-arm Vertical	mm	—	1500/1700/2000
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 250~1655	主臂/M 455~1655 副臂/S 200~1400
走行 Traverse	mm	2500/3000	
■ 本体重量 Net Weight			
本体 Main Body	Kg	1210~1450	
操作盒 Pendant	Kg	1.6	

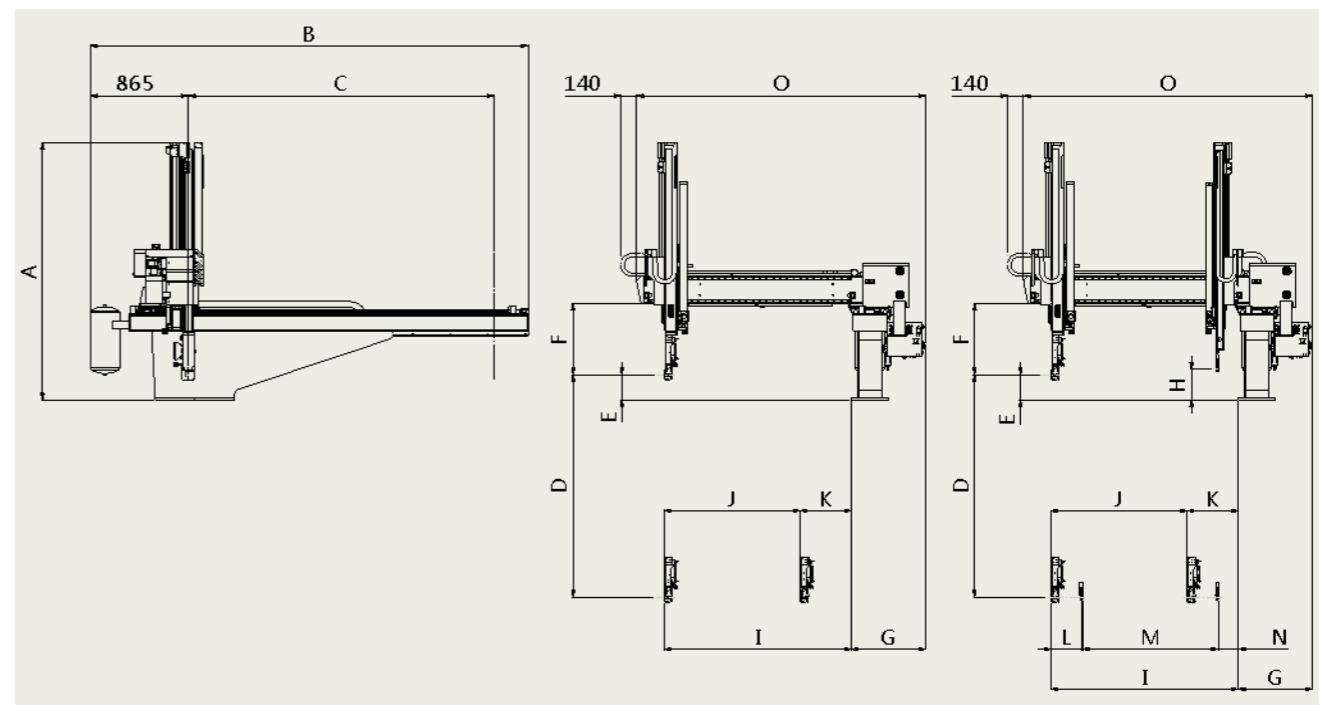
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256 points)	水口模内开放 Runner release within mold
自由装箱点 (115点 × 2处) Free packaging motion (115points × 2stage)	吸着确认单元 (2回路) Vacuum confirmation unit (2 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

- ◆ 夹具内剪刀回路 Air nipple circuit in gripper
- ◆ 上升途中闭模 Mold close during ascend
- ◆ NT剪切·可动侧 NT runner cutting
- ◆ 回转单元 Rotation unit
- ◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)
- ◆ 顶针后退连动 Ejector return link
- ◆ 制品夹取4回路 Product gripping 4 circuits
- ◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	MEW-170	MEW-170S
A 总高 Overall height		2130(2250)[2370]mm	
B 总长 overall length		3703(4183)mm	
C 走行行程 Traverse stroke		2500(3000)mm	
D 主臂上下行程 Main-arm vertical stroke		1500 (1700) [2000]mm	
E 主臂上下待机 Main-arm vertical standby		256mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		630mm	
G 基座里侧面-箱体末端 Base side face-Box end		497mm	
H 副臂上下待机 Sub-arm vertical standby		—	298mm
I 主臂前进最大值 Main-arm reach max		1655mm	
J 主臂前进最大行程 Main-arm crosswise stroke max		1400mm	1200mm
K 主臂前后待机最小值 Main-arm crosswise standby min		250mm	455mm
L 主副臂接近最小值 Main/Sub-arm proximity min		—	280mm
M 副臂前进最大行程 Sub-arm crosswise stroke max		—	1145mm
N 副臂前后待机最小值 Sub-arm crosswise standby min		—	200mm
O 前后臂末端-箱体末端 Crosswise arm end-Box end		2403mm	

○当尺寸C是2500mm时, 尺寸B为3703mm ○when dimension C is 2500mm, B is 3703mm

○当尺寸C是3000mm时, 尺寸B为4183mm ○when dimension C is 3000mm, B is 4183mm

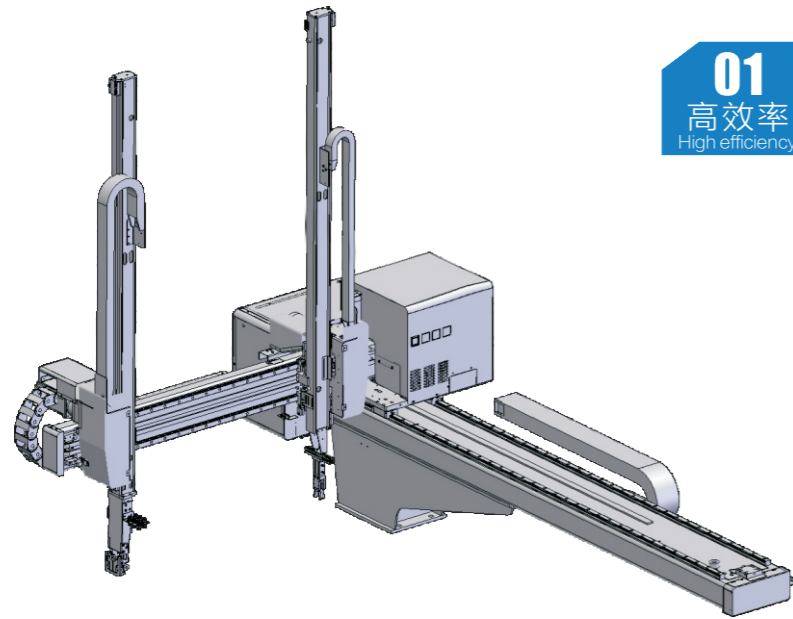
○当尺寸D是1500mm时, 尺寸A为2130mm ○when dimension D is 1500mm, A is 2130mm

○当尺寸D是1700mm时, 尺寸A为2250mm ○when dimension D is 1700mm, A is 2250mm

○当尺寸D是2000mm时, 尺寸A为2370mm ○when dimension D is 2000mm, A is 2370mm

MD-120 / MD-120S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



- 01** 高效率 High efficiency
- 02** 精密性高 High Precision
- 03** 减少成本 Reduce Cost
- 04** 安全性高 High Safety

注塑机锁模力
Injection mould clamping force range
350~450ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MD-120	MD-120S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	2	2.8
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	3.6	
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	5【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	1200/1400	1200/1400
副臂上下 Sub-arm Vertical	mm	—	1250/1450
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M ~ 1050	主臂/M 375 ~ 1050 副臂/S 210 ~ 885
走行 Traverse	mm	1800	
■ 本体重量 Net Weight			
本体 Main Body	Kg	300	
操作盒 Pendant	Kg	1.6	

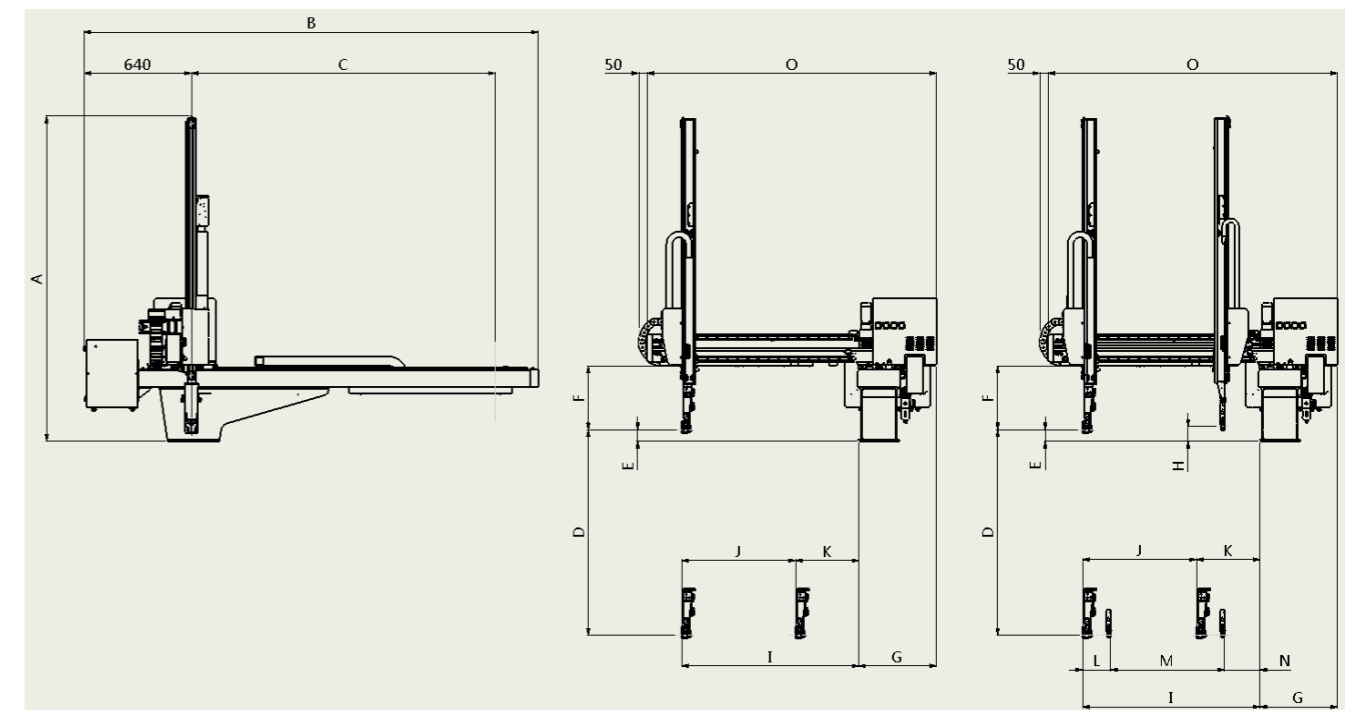
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256.points)	水口模内开放 Runner release within mold
自由装箱点 (115点×2处) Free packaging motion (115points×2stage)	吸着确认单元 (2回路) Vacuum confirmation unit (2 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

- ◆ 夹具内剪刀回路 Air nipple circuit in gripper
- ◆ 上升途中闭模 Mold close during ascend
- ◆ NT剪切·可动侧 NT runner cutting
- ◆ 回转单元 Rotation unit
- ◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)
- ◆ 顶针后退连动 Ejector return link
- ◆ 制品夹取4回路 Product gripping 4 circuits
- ◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	MD-120	MD-120S
A 总高 Overall height		1905(2145)mm	
B 总长 overall length		2695mm	
C 走行行程 Traverse stroke		1800mm	
D 主臂上下行程 Main-arm vertical stroke		1200 (1400) mm	
E 主臂上下待机 Main-arm vertical standby		67mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		372mm	
G 底座里侧面-箱体末端 Base side face-Box end		460mm	
H 副臂上下待机 Sub-arm Vertical standby		—	117mm
I 主臂前进最大值 Main-arm reach max		1050mm	
J 主臂前进最大行程 Main-arm crosswise stroke max		900mm	675mm
K 主臂前后待机最小值 Main-arm crosswise standby min		160mm	375mm
L 主副臂接近最小值 Main/Sub-arm proximity min		—	165mm
M 副臂前进最大行程 Sub-arm crosswise stroke max		—	675mm
N 副臂前后待机最小值 Sub-arm crosswise standby min		—	210mm
O 前后臂末端-箱体末端 Crosswise arm end-Box end		1716mm	

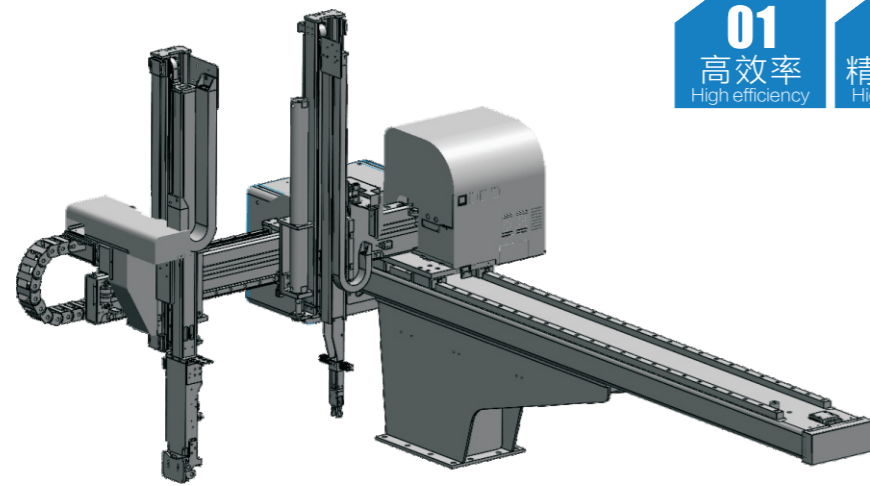
○当尺寸D是1200mm时, 尺寸A为1905mm ○when dimension D is 1200mm, A is 1905mm

○当尺寸D是1400mm时, 尺寸A为2145mm ○when dimension D is 1400mm, A is 2145mm

MEW-120 / MEW-120S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots

- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety



注塑机锁模力
Injection mould clamping force range

350~450ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MEW-120	MEW-120S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	2	2.8
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	6.0	
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	5【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	1400	1400
副臂上下 Sub-arm Vertical	mm	—	1450
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 165 ~ 1020	主臂/M 395 ~ 1020 副臂/S 140 ~ 760
走行 Traverse	mm	1800	
■ 本体重量 Net Weight			
本体 Main Body	Kg	450	
操作盒 Pendant	Kg	1.6	

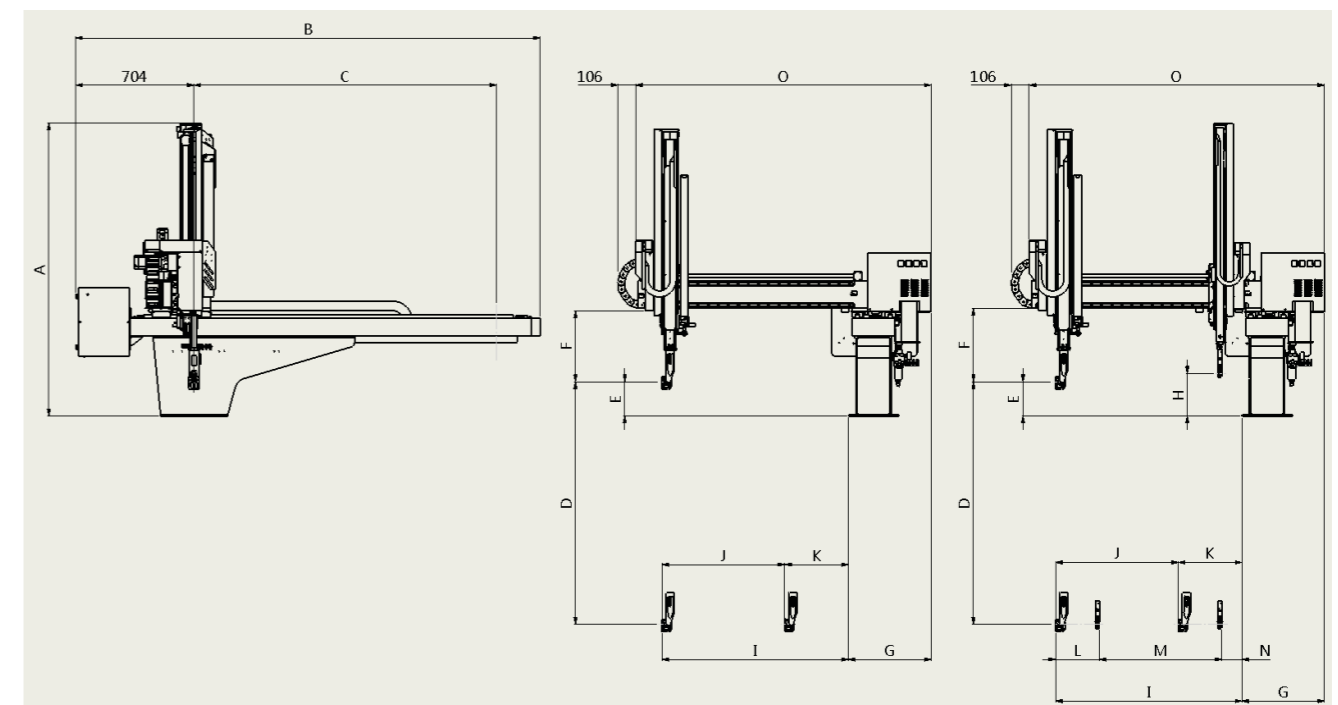
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256.points)	水口模内开放 Runner release within mold
自由装箱点 (115点×2处) Free packaging motion (115points×2stage)	吸着确认单元 (2回路) Vacuum confirmation unit (2 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

- ◆ 夹具内剪刀回路 Air nipple circuit in gripper
- ◆ 上升途中闭模 Mold close during ascend
- ◆ NT剪切·可动侧 NT runner cutting
- ◆ 回转单元 Rotation unit
- ◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)
- ◆ 顶针后退连动 Ejector return link
- ◆ 制品夹取4回路 Product gripping 4 circuits
- ◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram

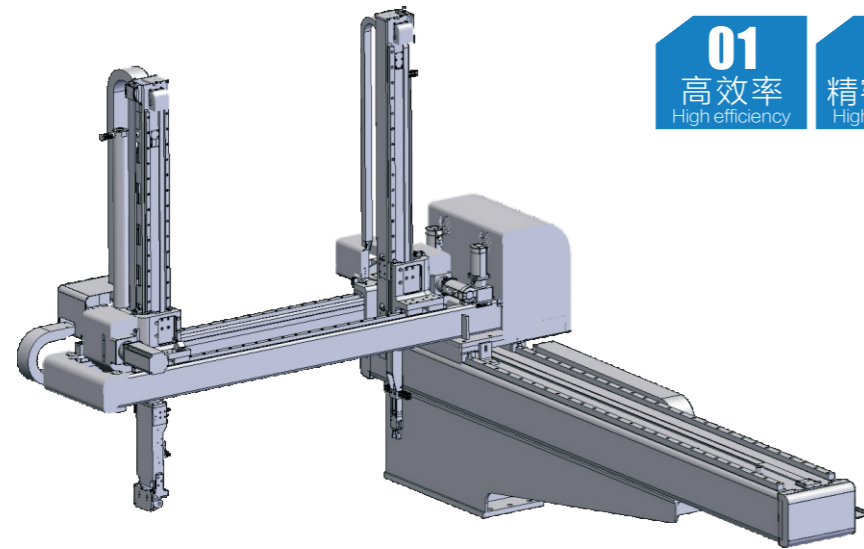


外形尺寸	OUTER DIMENSIONS	MEW-120	MEW-120S
A 总高 Overall height		1675mm	1710mm
B 总长 overall length		2765mm	
C 走行行程 Traverse stroke		1800mm	
D 主臂上下行程 Main-arm vertical stroke		1400mm	
E 主臂上下待机 Main-arm vertical standby		198mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		410mm	
G 底座里侧面-箱体末端 Base side face-Box end		493mm	
H 副臂上下待机 Sub-arm vertical standby		—	248mm
I 主臂前进最大值 Main-arm reach max		1020mm	
J 主臂前进最大行程 Main-arm crosswise stroke max		855mm	620mm
K 主臂前后待机最小值 Main-arm crosswise standby min		165mm	395mm
L 主副臂接近最小值 Main/Sub-arm proximity min		—	260mm
M 副臂前进最大行程 Sub-arm crosswise stroke max		—	620mm
N 副臂前后待机最小值 Sub-arm crosswise standby min		—	140m
O 前后臂末端-箱体末端 Crosswise arm end-Box end		1715mm	

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots

MDW-110 / MDW-110S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

350~850ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MDW-110	MDW-110S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	2	2.8
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	18	27
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	10【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	57.7	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	1100/1500/1700	1100/1500/1700
副臂上下 Sub-arm Vertical	mm	—	1150/1550
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 175 ~ 1300	主臂/M 340 ~ 1300 副臂/S 120 ~ 1080
走行 Traverse	mm	2000/2500	
■ 本体重量 Net Weight			
本体 Main Body	Kg	592	636
操作盒 Pendant	Kg	1.6	

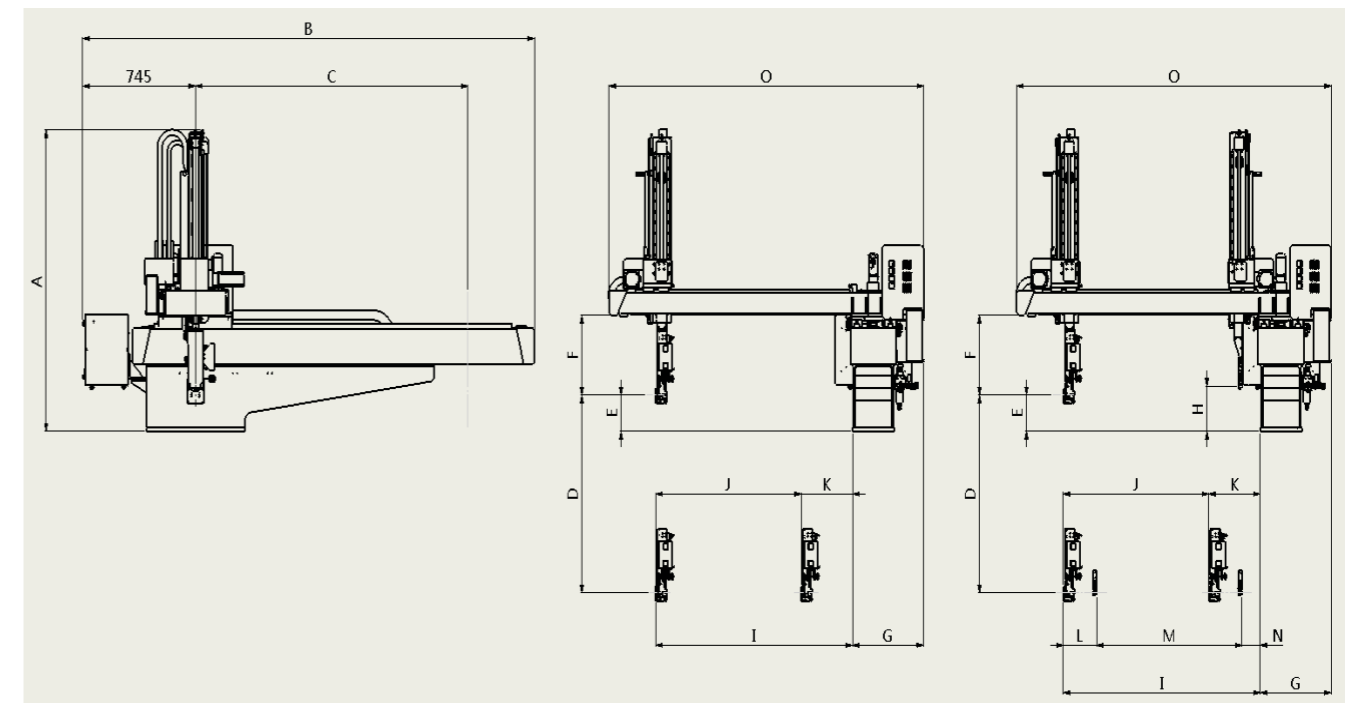
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256.points)	水口模内开放 Runner release within mold
自由装箱点 (115点 × 2处) Free packaging motion (115points × 2stage)	吸着确认单元 (2回路) Vacuum confirmation unit (2 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

- ◆ 夹具内剪刀回路 Air nipple circuit in gripper
- ◆ 上升途中闭模 Mold close during ascend
- ◆ NT剪切·可动侧 NT runner cutting
- ◆ 回转单元 Rotation unit
- ◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)
- ◆ 顶针后退连动 Ejector return link
- ◆ 制品夹取4回路 Product gripping 4 circuits
- ◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	MDW-110	MDW-110S
A 总高 Overall height		1680(1880)[1980]mm	
B 总长 overall length		3190(3690)mm	
C 走行行程 Traverse stroke		2000(2500)mm	
D 主臂上下行程 Main-arm vertical stroke		1100 (1500) [1700]mm	
E 主臂上下待机 Main-arm vertical standby		200mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		445mm	
G 底座里侧面-箱体末端 Base side face-Box end		470mm	
H 副臂上下待机 Sub-arm Vertical standby		—	250mm
I 主臂前进最大值 Main-arm reach max		1300mm	
J 主臂前进最大行程 Main-arm crosswise stroke max		1125mm	960mm
K 主臂前后待机最小值 Main-arm crosswise standby min		175mm	340mm
L 主副臂接近最小值 Main/Sub-arm proximity min		—	220mm
M 副臂前进最大行程 Sub-arm crosswise stroke max		—	960mm
N 副臂前后待机最小值 Sub-arm crosswise standby min		—	120mm
O 前后臂末端-箱体末端 Crosswise arm end-Box end		2080mm	

○当尺寸C是2000mm时, 尺寸B为3190mm ○when dimension C is 2000mm, B is 3190mm

○当尺寸C是2500mm时, 尺寸B为3690mm ○when dimension C is 2500mm, B is 3690mm

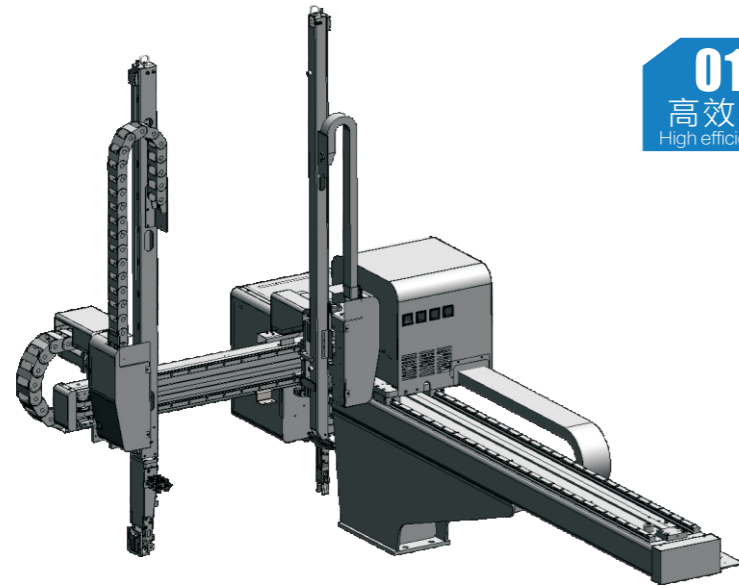
○当尺寸D是1100mm时, 尺寸A为1680mm ○when dimension D is 1100mm, A is 1680mm

○当尺寸D是1500mm时, 尺寸A为1880mm ○when dimension D is 1500mm, A is 1880mm

○当尺寸D是1700mm时, 尺寸A为1980mm ○when dimension D is 1700mm, A is 1980mm

MD-80 / MD-80S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

100~220ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MD-80	MD-80S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	1.3	2.1
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	2.9	
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	5【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	800/900	800/900
副臂上下 Sub-arm Vertical	mm	—	850/950
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 120 ~ 790	主臂/M 255 ~ 790 副臂/S 110 ~ 645
走行 Traverse	mm	1400/1600	
■ 本体重量 Net Weight			
本体 Main Body	Kg	221	
操作盒 Pendant	Kg	1.6	

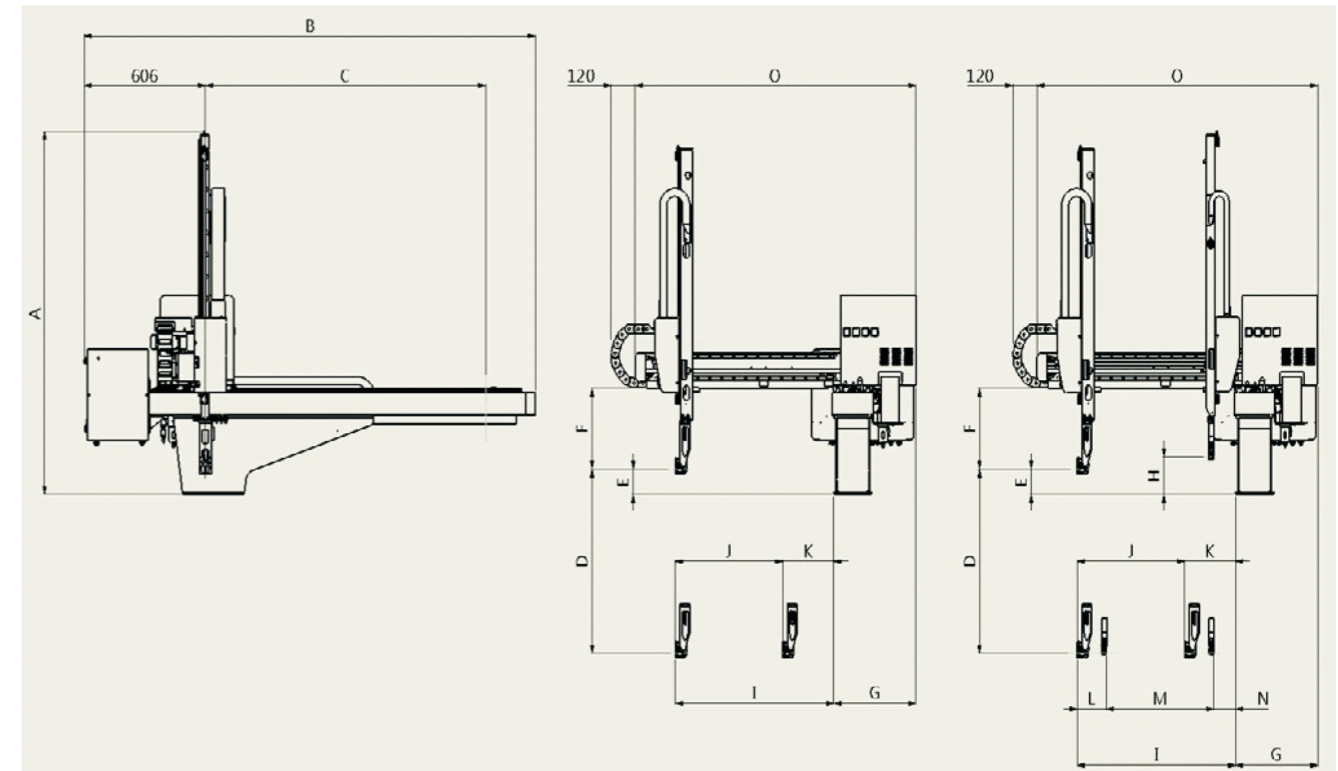
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256 points)	水口模内开放 Runner release within mold
自由装箱点 (115点 × 2处) Free packaging motion (115points × 2stage)	吸着确认单元 (1回路) Vacuum confirmation unit (1 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑梯取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

◆ 夹具内剪刀回路 Air nipple circuit in gripper	◆ 制品夹取4回路 Product gripping 4 circuits
◆ NT剪切·可动侧 NT runner cutting	◆ 上升途中闭模 Mold close during ascend
◆ 吸着确认2回路 Vacuum confirmation unit (2 circuits)	◆ 回转单元 Rotation unit
◆ 制品夹取2回路 Product gripping 2 circuits	◆ 顶针后退连动 Ejector return link
◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)	◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	MD-80	MD-80S
A 总高 Overall height		1520(1640)mm	1582(1702)mm
B 总长 overall length		2255(2435)mm	
C 走行行程 Traverse stroke		1400(1600)mm	
D 主臂上下行程 Main-arm vertical stroke		800 (900) mm	
E 主臂上下待机 Main-arm vertical standby		130mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		353mm	
G 基座里侧面-箱体末端 Base side face-Box end		410mm	
H 副臂上下待机 Sub-arm Vertical standby		—	180mm
I 主臂前进最大值 Main-arm reach max		790mm	
J 主臂前进最大行程 Main-arm crosswise stroke max		670mm	535mm
K 主臂前后待机最小值 Main-arm crosswise standby min		120mm	255mmL
L 主副臂接近最小值 Main/Sub-arm proximity min		—	145mmM
M 副臂前进最大行程 Sub-arm crosswise stroke max		—	535mmN
N 副臂前后待机最小值 Sub-arm crosswise standby min		—	110mmO
O 前后臂末端-箱体末端 Crosswise arm end-Box end		1403mm	

◎当尺寸C是1400mm时, 尺寸B为2255mm ◎when dimension C is 1400mm, B is 2255mm

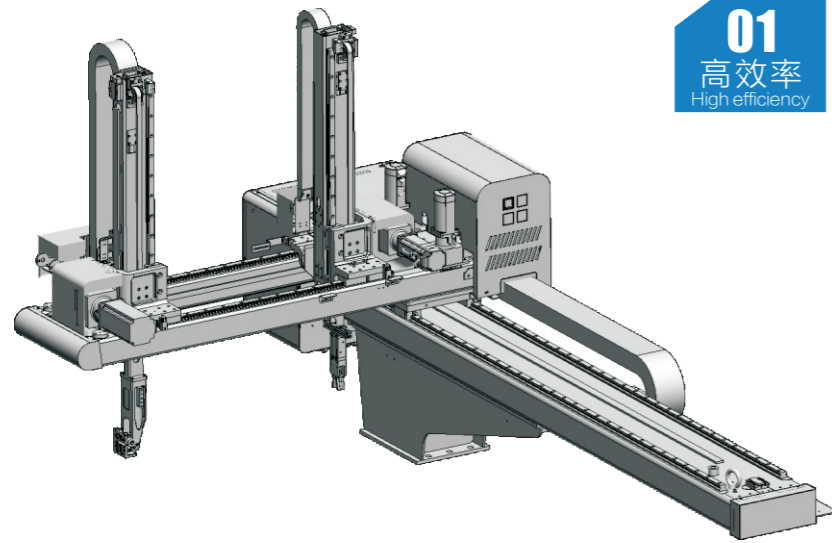
◎当尺寸C是1600mm时, 尺寸B为2435mm ◎when dimension C is 1600mm, B is 2435mm

◎当尺寸D是800mm时, 尺寸A为1520mm ◎when dimension D is 800mm, A is 1520mm

◎当尺寸D是900mm时, 尺寸A为1582mm ◎when dimension D is 900mm, A is 1582mm

MDW-80 / MDW-80S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

100~220ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MDW-80	MDW-80S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	2	2.8
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	2.9	
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	5【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	1000	1000
副臂上下 Sub-arm Vertical	mm	—	1050
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 180 ~ 840	主臂/M 310 ~ 840 副臂/S 110 ~ 640
走行 Traverse	mm	1600	
■ 本体重量 Net Weight			
本体 Main Body	Kg	397	
操作盒 Pendant	Kg	1.6	

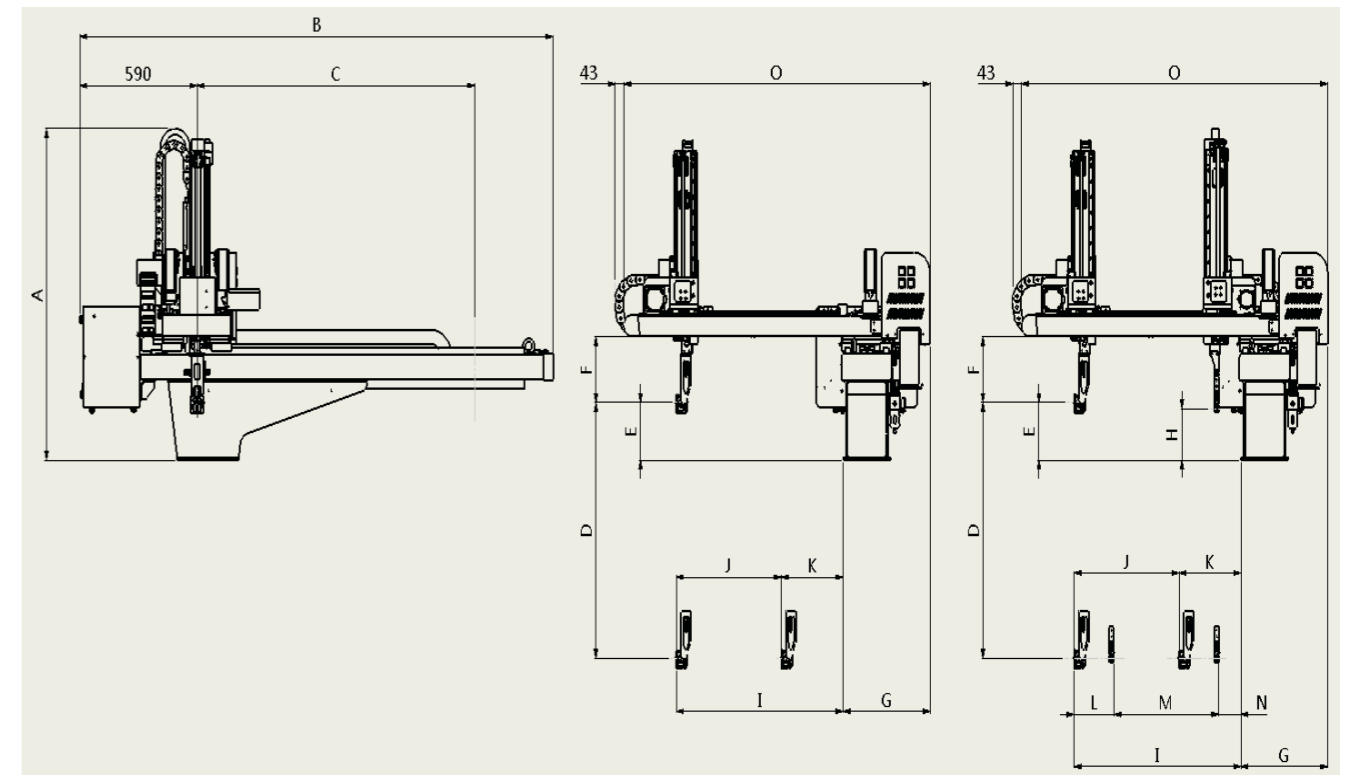
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256 points)	水口模内开放 Runner release within mold
自由装箱点 (115点 × 2处) Free packaging motion (115points × 2stage)	吸着确认单元 (1回路) Vacuum confirmation unit (1 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

◆ 夹具内剪刀回路 Air nipple circuit in gripper	◆ 制品夹取4回路 Product gripping 4 circuits
◆ NT剪切·可动侧 NT runner cutting	◆ 上升途中闭模 Mold close during ascend
◆ 吸着确认2回路 Vacuum confirmation unit (2 circuits)	◆ 回转单元 Rotation unit
◆ 制品夹取2回路 Product gripping 2 circuits	◆ 顶针后退连动 Ejector return link
◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)	◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram

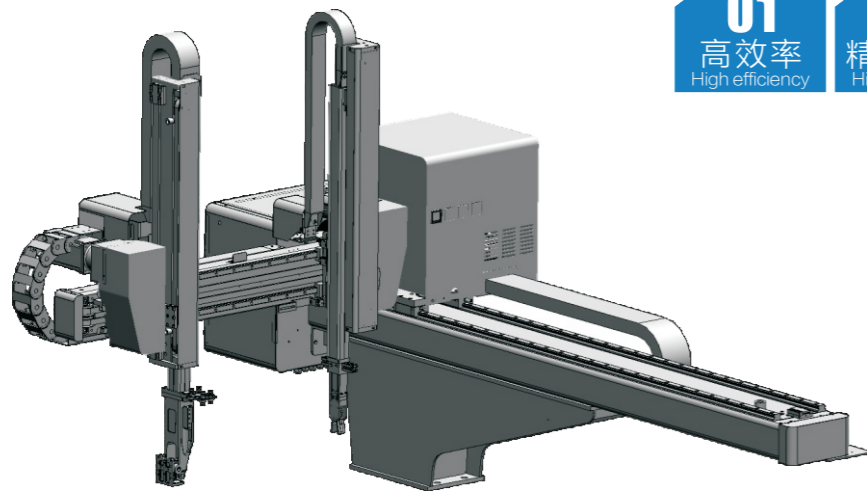


外形尺寸	OUTER DIMENSIONS	MDW-80	MDW-80S
A 总高 Overall height		1330mm	
B 总长 overall length		2585mm	
C 走行行程 Traverse stroke		1600mm	
D 主臂上下行程 Main-arm vertical stroke		1000mm	
E 主臂上下待机 Main-arm vertical standby		173mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position		303mm	
G 底座里侧面-箱体末端 Base side face-Box end		441mm	
H 副臂上下待机 Sub-arm vertical standby		—	223mm
I 主臂前进最大值 Main-arm reach max		840mm	
J 主臂前进最大行程 Main-arm crosswise stroke max		660mm	530mm
K 主臂前后待机最小值 Main-arm crosswise standby min		180mm	310mm
L 主副臂接近最小值 Main/Sub-arm proximity min		—	200mm
M 副臂前进最大行程 Sub-arm crosswise stroke max		—	530mm
N 副臂前后待机最小值 Sub-arm crosswise standby min		—	110mm
O 前后臂末端-箱体末端 Crosswise arm end-Box end		1543mm	

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots

MEW-80 / MEW-80S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

100~220ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MEW-80	MEW-80S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	1.55	2.35
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	2.9	
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	5【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	900	900
副臂上下 Sub-arm Vertical	mm	—	950
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 102 ~ 790	主臂/M 290 ~ 740 副臂/S 162 ~ 612
走行 Traverse	mm	1400(1600)	
■ 本体重量 Net Weight			
本体 Main Body	Kg	250	
操作盒 Pendant	Kg	1.6	

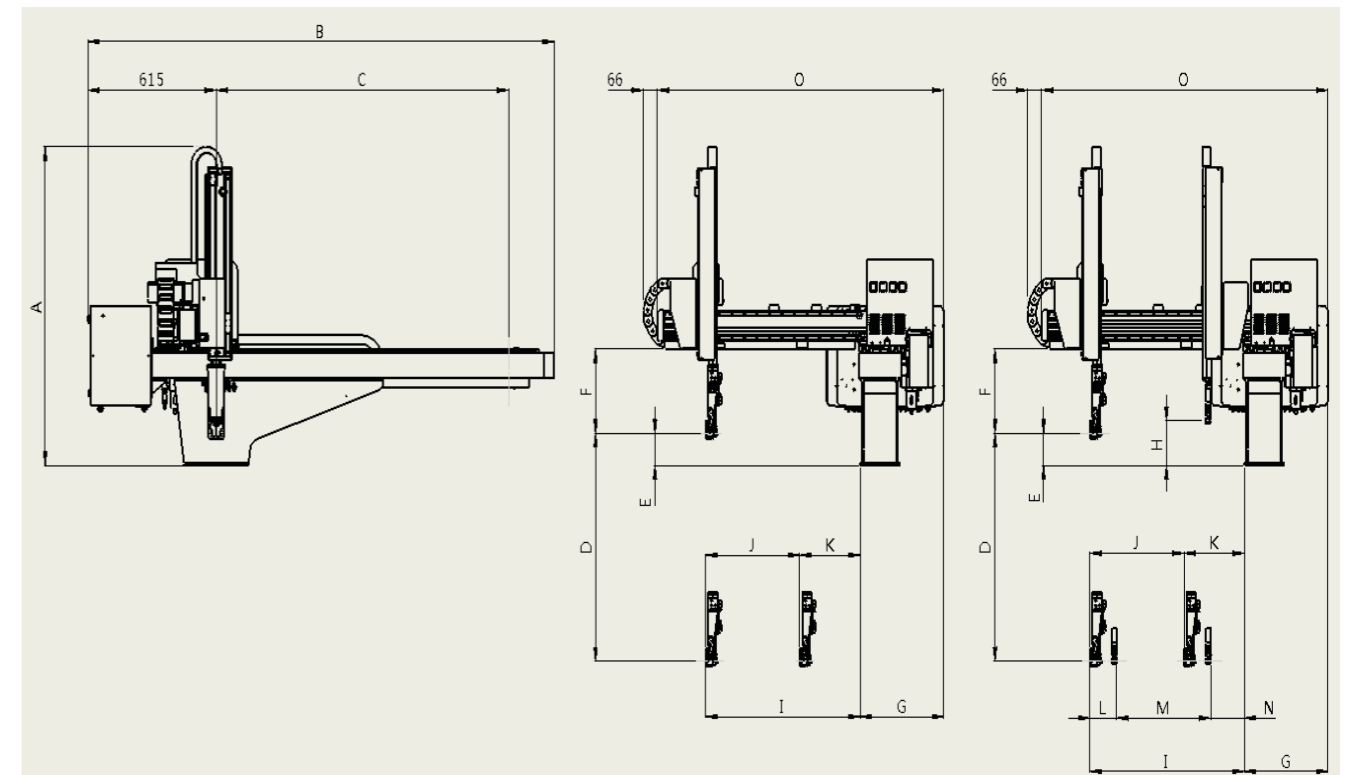
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256.points)	水口模内开放 Runner release within mold
自由装箱点 (115点 × 2处) Free packaging motion (115points × 2stage)	吸着确认单元 (1回路) Vacuum confirmation unit (1 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

◆ 夹具内剪刀回路 Air nipple circuit in gripper	◆ 制品夹取4回路 Product gripping 4 circuits
◆ NT剪切·可动侧 NT runner cutting	◆ 上升途中闭模 Mold close during ascend
◆ 吸着确认2回路 Vacuum confirmation unit (2 circuits)	◆ 回转单元 Rotation unit
◆ 制品夹取2回路 Product gripping 2 circuits	◆ 顶针后退连动 Ejector return link
◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)	◆ 欧规67 EUROMAP 67nb

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	MEW-80	MEW-80S
A 总高 Overall height	Overall height	1260mm	
B 总长 overall length	overall length	2255(2435)mm	
C 走行行程 Traverse stroke	Traverse stroke	1400(1600)mm	
D 主臂上下行程 Main-arm vertical stroke	Main-arm vertical stroke	900mm	
E 主臂上下待机 Main-arm vertical standby	Main-arm vertical standby	127mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position	Bottom of crosswise to chuck mount position	334mm	
G 基座里侧面-箱体末端 Base side face-Box end	Base side face-Box end	400mm	
H 副臂上下待机 Sub-arm Vertical standby	Sub-arm Vertical standby	—	177mm
I 主臂前进最大值 Main-arm reach max	Main-arm reach max	740mm	
J 主臂前进最大行程 Main-arm crosswise stroke max	Main-arm crosswise stroke max	630mm	450mm
K 主臂前后待机最小值 Main-arm crosswise standby min	Main-arm crosswise standby min	102mm	290mm
L 主副臂接近最小值 Main/Sub-arm proximity min	Main/Sub-arm proximity min	—	128mm
M 副臂前进最大行程 Sub-arm crosswise stroke max	Sub-arm crosswise stroke max	—	450mm
N 副臂前后待机最小值 Sub-arm crosswise standby min	Sub-arm crosswise standby min	—	162mm
O 前后臂末端-箱体末端 Crosswise arm end-Box end	Crosswise arm end-Box end	1372mm	

◎当尺寸C是1400mm时, 尺寸B为2255mm

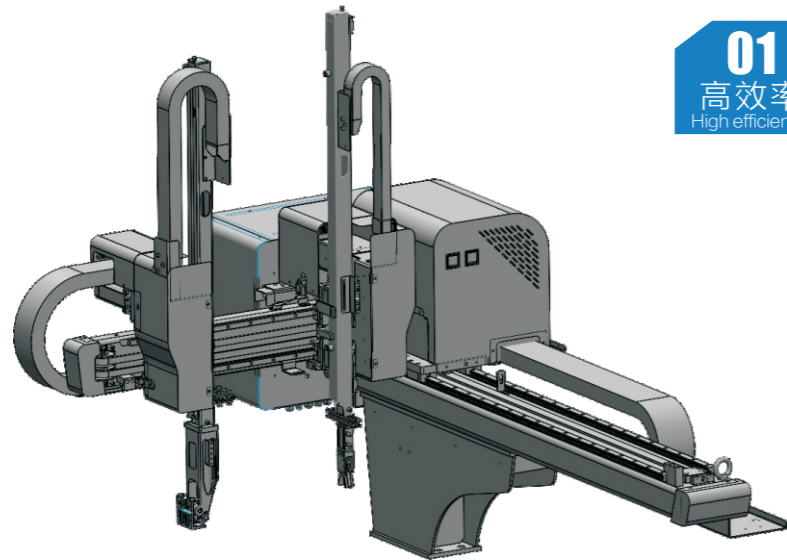
◎when dimension C is 1400mm, B is 2255mm

◎当尺寸C是1600mm时, 尺寸B为2435mm

◎when dimension C is 1600mm, B is 2435mm

MD-50 / MD-50S

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力 Injection mould clamping force range

30~150ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	MD-50	MD-50S
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	1	1.8
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	3.58	
驱动方式 Drive System	—	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	5【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	600	600
副臂上下 Sub-arm Vertical	mm	—	650
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 100 ~ 550	主臂/M 290 ~ 550 副臂/S 145 ~ 415
走行 Traverse	mm	1200	
■ 本体重量 Net Weight			
本体 Main Body	Kg	180	
操作盒 Pendant	Kg	1.6	

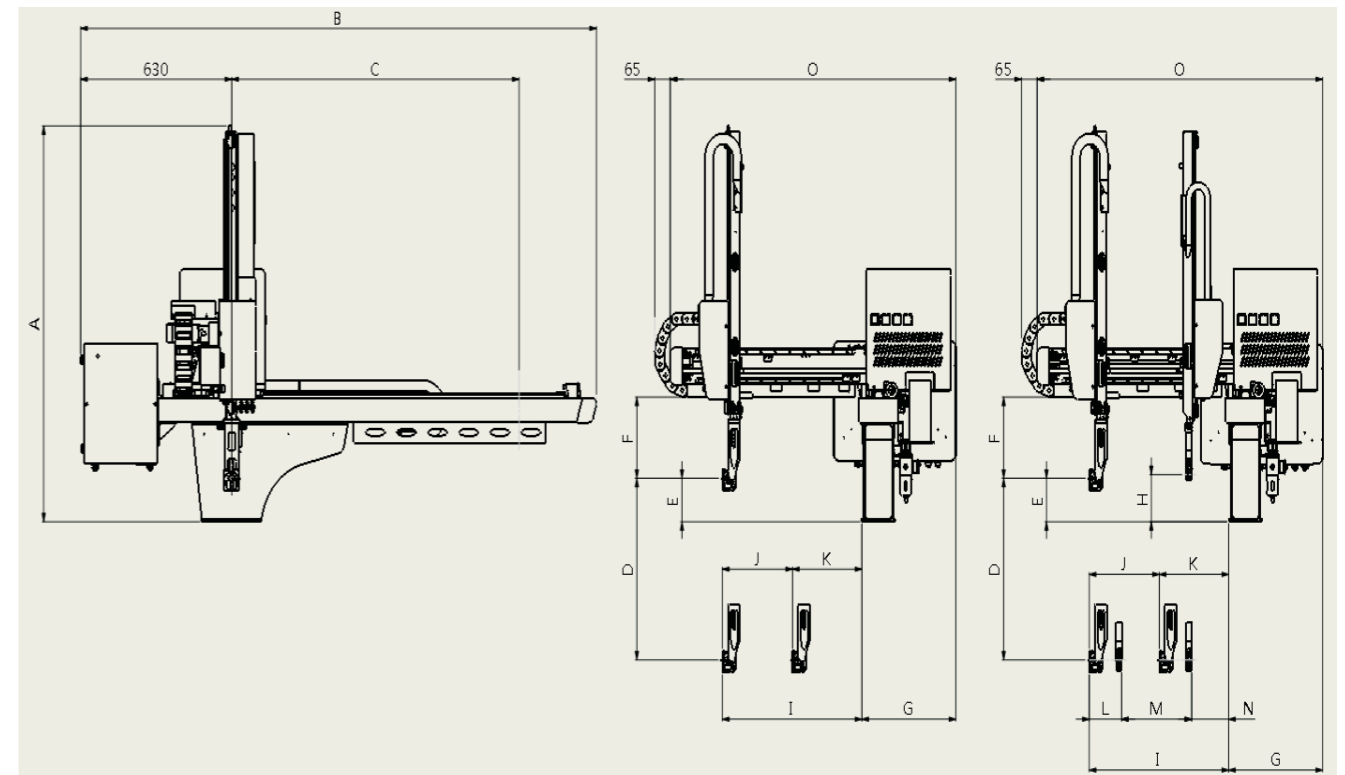
标准功能 Standard function

装箱动作 (各轴256点) Packaging motion (Max.256 points)	水口模内开放 Runner release within mold
自由装箱点 (115点 × 2处) Free packaging motion (115points × 2stage)	吸着确认单元 (1回路) Vacuum confirmation unit (1 circuit)
取出侧前进姿势控制 Forward and rotate at removing side	横走行待机 Outside safety door area standby
走行途中姿势 Posture control during traverse	滑移取出回路 Undercut extract circuit
落下测下降途中姿势 Posture midway descent at release side	输送带启动信号 Start signal of conveyor
顶针连动 Ejector link	内部存储记忆 (最大100种类型) Internal memory(for Max 100 molds)
不良品排出回路 Defective product reject circuit	设定值锁定功能 Lock function of setting value
初期不良品排出回路 Initial defective product reject circuit	固定可动切换 Extraction from fixed mold
取出下降待机 Down-standby	2国语言切换 (中文, 英文) Two language exchange(Chinese/English)
胶口途中开放(去程, 返程) Midway runner release(Move, Revert)	

选项功能 Option function

◆ 夹具内剪刀回路 Air nipple circuit in gripper	◆ 制品夹取4回路 Product gripping 4 circuits
◆ NT剪切·可动侧 NT runner cutting	◆ 上升途中闭模 Mold close during ascend
◆ 吸着确认2回路 Vacuum confirmation unit (2 circuits)	◆ 回转单元 Rotation unit
◆ 制品夹取2回路 Product gripping 2 circuits	◆ 顶针后退连动 Ejector return link
◆ 吸着确认4回路 Vacuum confirmation unit (4 circuits)	◆ 欧规67 EUROMAP 67nb

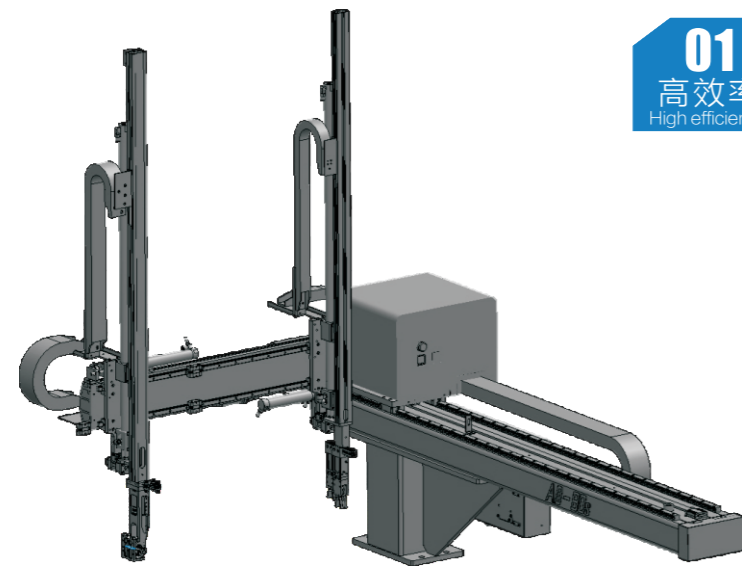
产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	MD-50	MD-50S
A 总高 Overall height	Overall height	1307mm	
B 总长 overall length	overall length	2155mm	
C 走行行程 Traverse stroke	Traverse stroke	1200mm	
D 主臂上下行程 Main-arm vertical stroke	Main-arm vertical stroke	600mm	
E 主臂上下待机 Main-arm vertical standby	Main-arm vertical standby	143mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position	Bottom of crosswise to chuck mount position	268mm	
G 基座里侧面-箱体末端 Base side face-Box end	Base side face-Box end	393mm	
H 副臂上下待机 Sub-arm Vertical standby	Sub-arm Vertical standby	—	193mm
I 主臂前进最大值 Main-arm reach max	Main-arm reach max	550mm	
J 主臂前进最大行程 Main-arm crosswise stroke max	Main-arm crosswise stroke max	450mm	260mm
K 主臂前后待机最小值 Main-arm crosswise standby min	Main-arm crosswise standby min	100mm	290mm
L 主副臂接近最小值 Main/Sub-arm proximity min	Main/Sub-arm proximity min	—	135mm
M 副臂前进最大行程 Sub-arm crosswise stroke max	Sub-arm crosswise stroke max	—	260mm
N 副臂前后待机最小值 Sub-arm crosswise standby min	Sub-arm crosswise standby min	—	155mm
O 前后臂末端-箱体末端 Crosswise arm end-Box end	Crosswise arm end-Box end	1193mm	

横走式三轴/五轴伺服机械手
3/5 Axis AC Servo Driven Robots

AD-80 / AD-80S



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

100~220ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	AD-80	AD-80S
电源 Power Source	V	AC200 ~ 220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	0.4	
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	2.5	4
驱动方式 Drive System	—	气缸/Air Cylinder	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	3【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	600/800/900	600/800/900
副臂上下 Sub-arm Vertical	mm	—	600/800/900
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M300	主臂/M 300 副臂/S 150
走行 Traverse	mm	1400/1600	
■ 本体重量 Net Weight			
本体 Main Body	Kg	208	
操作盒 Pendant	Kg	1.6	

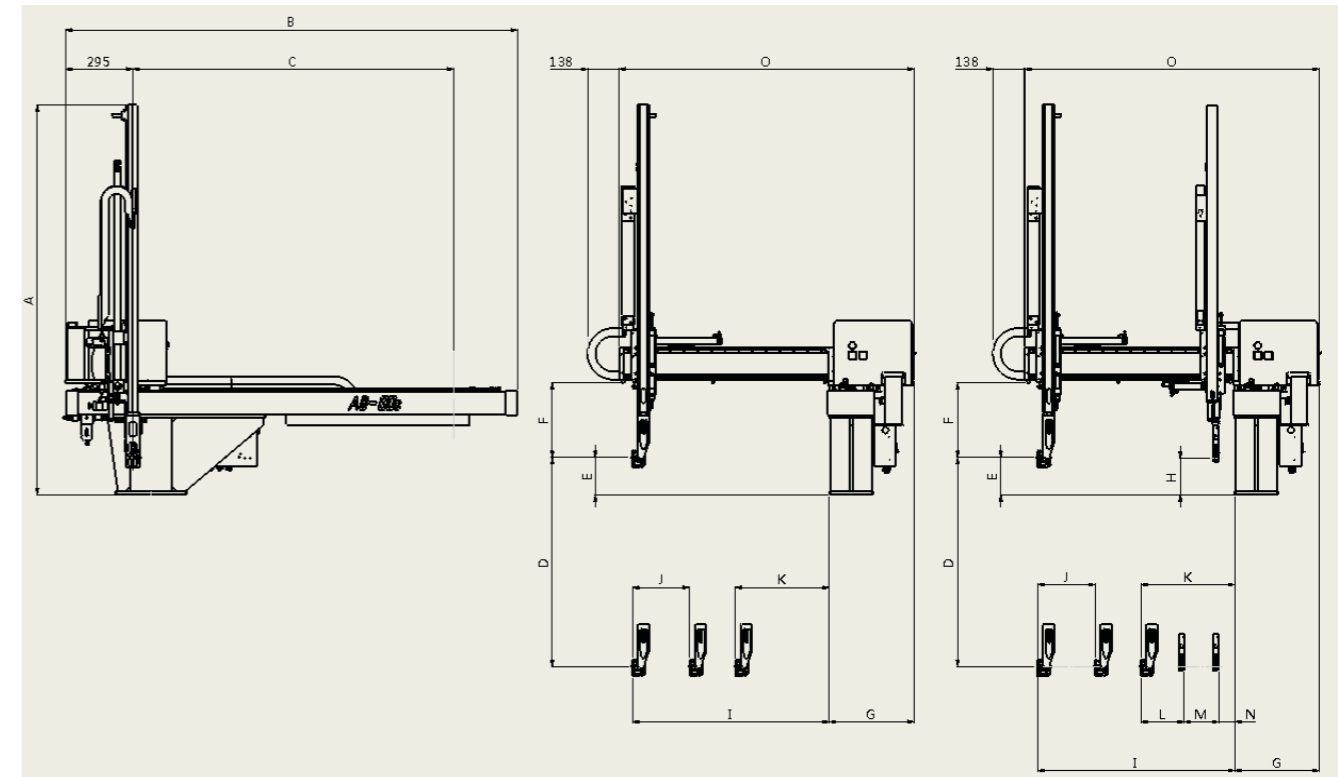
标准功能 Standard function

1-99点的位置动作	Position motion 1-99 point	吸着确认单元 (1回路)	Vacuum confirmation unit (1 circuit)
取出侧姿势控制	Posture control at extract side	横走行待机	Outside safety door area standby
不良品排出回路	Defective product reject circuit	输送带启动信号	Start signal of conveyor
副臂单独动作	Sub-arm individual motion	水口落下侧下降	Runner descent at release side
胶口途中开放(去程, 返程)	Midway runner release(Move, Revert)	水口侧可动取出	Runner extraction from moving side
模内开放	Product release within mold	2国语言切换 (中文, 英文)	Two language exchange(Chinese/English)
内部存储记忆 (最大30种类型)	Internal memory (for Max 30 molds)		

选项功能 Option function

◆ 夹具内剪刀回路 Air nipple circuit in gripper	◆ 滑移取出 Under-cut extraction
◆ NT动作剪切动作 NT runner cutting	◆ 固定可动切换 Extraction from fixed side
◆ 吸着确认2回路 Vacuum confirmation unit (2 circuits)	◆ 制品确认 Product confirmation

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	AD-80	AD-80S
A 总高	Overall height	1380(1620)[1680]mm	
B 总长	overall length	1968(2148)mm	
C 走行行程	Traverse stroke	1400(1600)mm	
D 主臂上下行程	Main-arm vertical stroke	600 (800) [900]mm	
E 主臂上下待机	Main-arm vertical standby	160mm	
F 夹具安装有效空间	Bottom of crosswise to chuck mount position	323mm	
G 基座里侧面-箱体末端	Base side face-Box end	385mm	
H 副臂上下待机	Sub-arm Vertical standby	—	175mm
I 主臂前进最大值	Main-arm reach max	860mm	
J 主臂前进最大行程	Main-arm crosswise stroke max	300mm	300mm
K 主臂前后待机最小值	Main-arm crosswise standby min	140mm	250mm
L 主副臂接近最小值	Main/Sub-arm proximity min	—	175mm
M 副臂前进最大行程	Sub-arm crosswise stroke max	—	150mm
N 副臂前后待机最小值	Sub-arm crosswise standby min	—	70mm
O 前后臂末端-箱体末端	Crosswise arm end-Box end	1300mm	

○当尺寸C是1400mm时, 尺寸B为1968mm ○when dimension C is 1400mm, B is 1968mm

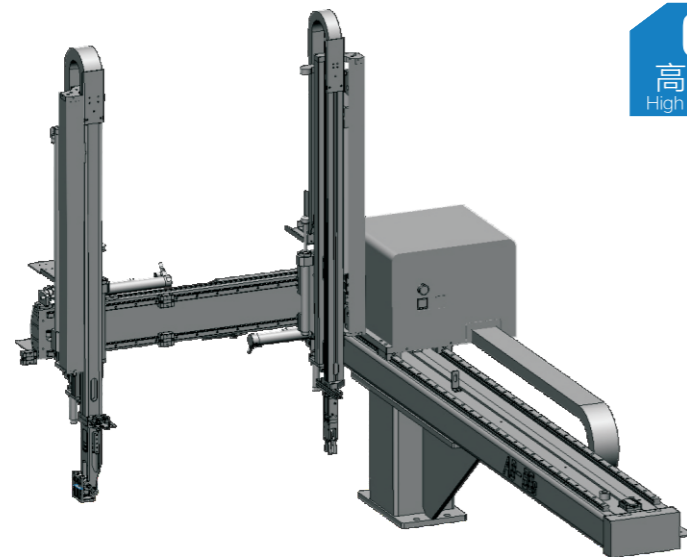
○当尺寸C是1600mm时, 尺寸B为2148mm ○when dimension C is 1600mm, B is 2148mm

○当尺寸D是600mm时, 尺寸A为1380mm ○when dimension D is 600mm, A is 1380mm

○当尺寸D是800mm时, 尺寸A为1620mm ○when dimension D is 800mm, A is 1620mm

○当尺寸D是900mm时, 尺寸A为1680mm ○when dimension D is 900mm, A is 1680mm

ADW-80 / ADW-80S



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

100~220ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	ADW-80	ADW-80S
电源 Power Source	V	AC200 ~ 220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	0.4	
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	2.4	3.9
驱动方式 Drive System	—	气缸/Air Cylinder	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	3【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	10.1	
■ 行程 Stroke			
主臂上下 Main-arm Vertical	mm	900/1000	900/1000
副臂上下 Sub-arm Vertical	mm	—	900/1000
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 300	主臂/M 300 副臂/S 150
走行 Traverse	mm	1400/1600	
■ 本体重量 Net Weight			
本体 Main Body	Kg	279	
操作盒 Pendant	Kg	1.6	

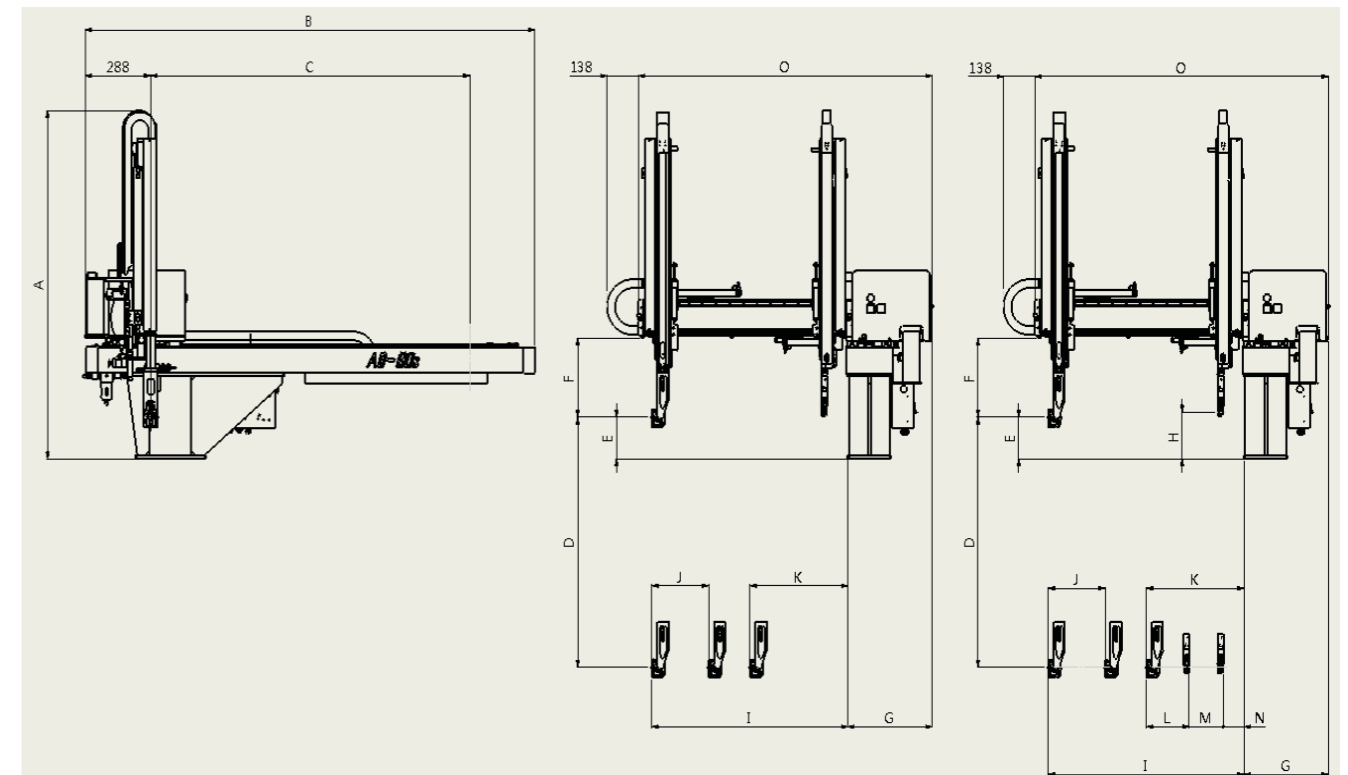
标准功能 Standard function

1-99点的位置动作	Position motion 1-99 point	吸着确认单元 (1回路)	Vacuum confirmation unit (1 circuit)
取出侧姿势控制	Posture control at extract side	横走行待机	Outside safety door area standby
不良品排出回路	Defective product reject circuit	输送带启动信号	Start signal of conveyor
副臂单独动作	Sub-arm individual motion	水口落下测下降	Runner descent at release side
胶口途中开放(去程, 返程)	Midway runner release(Move, Revert)	水口侧可动取出	Runner extraction from moving side
模内开放	Product release within mold	2国语言切换 (中文, 英文)	Two language exchange(Chinese/English)
内部存储记忆 (最大30种类型)	Internal memory (for Max 30 molds)		

选项功能 Option function

◆ 夹具内剪刀回路 Air nipple circuit in gripper	◆ 滑移取出 Under-cut extraction
◆ NT动作剪切动作 NT runner cutting	◆ 固定可动切换 Extraction from fixed side
◆ 吸着确认2回路 Vacuum confirmation unit (2 circuits)	◆ 制品确认 Product confirmation

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	ADW-80	ADW-80S
A 总高	Overall height	1365(1425)mm	
B 总长	overall length	1968(2148)mm	
C 走行行程	Traverse stroke	1400(1600)mm	
D 主臂上下行程	Main-arm vertical stroke	900 (1000) mm	
E 主臂上下待机	Main-arm vertical standby	165mm	
F 夹具安装有效空间	Bottom of crosswise to chuck mount position	320mm	
G 底座里侧面-箱体末端	Base side face-Box end	385mm	
H 副臂上下待机	Sub-arm Vertical standby	—	190mm
I 主臂前进最大值	Main-arm reach max	860mm	
J 主臂前进最大行程	Main-arm crosswise stroke max	300mm	300mm
K 主臂前后待机最小值	Main-arm crosswise standby min	140mm	285mm
L 主副臂接近最小值	Main/Sub-arm proximity min	—	197mm
M 副臂前进最大行程	Sub-arm crosswise stroke max	—	150mm
N 副臂前后待机最小值	Sub-arm crosswise standby min	—	85mm
O 前后臂末端-箱体末端	Crosswise arm end-Box end	1300mm	

○当尺寸C是1400mm时, 尺寸B为1968mm ○when dimension C is 1400mm, B is 1968mm

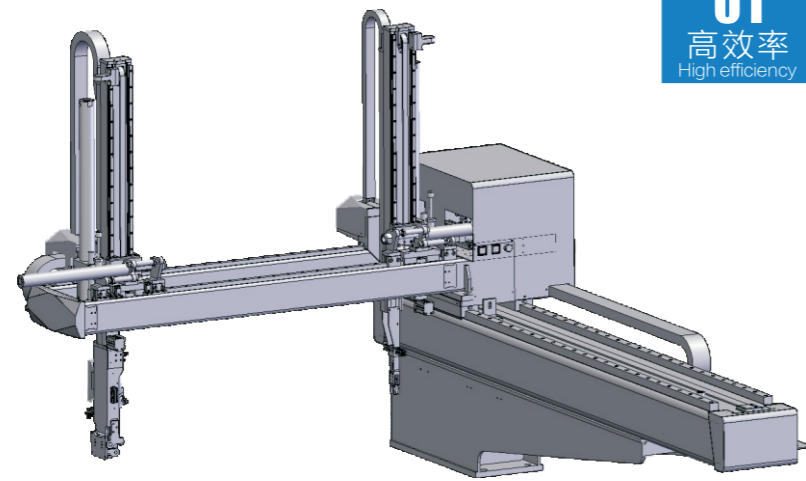
○当尺寸C是1600mm时, 尺寸B为2148mm ○when dimension C is 1600mm, B is 2148mm

○当尺寸D是900mm时, 尺寸A为1365mm ○when dimension D is 900mm, A is 1365mm

○当尺寸D是1000mm时, 尺寸A为1425mm ○when dimension D is 1000mm, A is 1425mm

ADW-120 / ADW-120S

横式单轴伺服机械手
Single Axis AC Servo Driven Robots



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

350~550ton



规格表 Specification Sheet

型式 MODEL	单位/UNIT	ADW-120	ADW-120S
电源 Power Source	V	AC200 ~ 220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	1	
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	72	
驱动方式 Drive System	—	气缸/Air Cylinder	
姿势 (气缸) Posture (Air Cylinder)	—	90° 固定 / 90° Fixed	
■气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	10【含夹具重量 / Incl Chuck Weight】	
姿势力矩 Posture Torque	N · m	57.7	
■行程 Stroke			
主臂上下 Main-arm Vertical	mm	1200/1600	1200/1600
副臂上下 Sub-arm Vertical	mm	—	1250/1650
前后(主臂,副臂) Crosswise (M,S)	mm	主臂/M 350	主臂/M 350 副臂/S 150
走行 Traverse	mm	2000	
■本体重量 Net Weight			
本体 Main Body	Kg	532	
操作盒 Pendant	Kg	1.6	

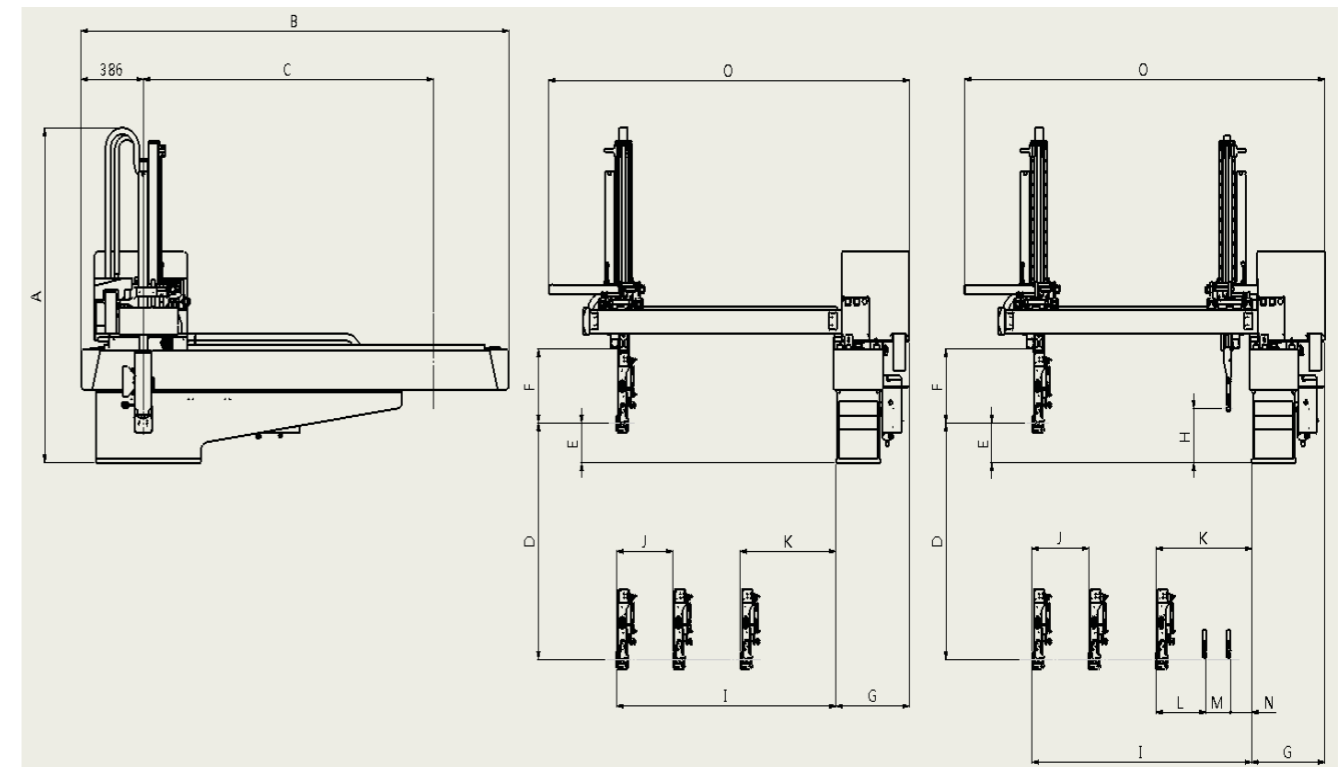
标准功能 Standard function

1-99点的位置动作	Position motion 1-99 point	吸着确认单元 (1回路)	Vacuum confirmation unit (1 circuit)
取出侧姿势控制	Posture control at extract side	横走行待机	Outside safety door area standby
不良品排出回路	Defective product reject circuit	输送带启动信号	Start signal of conveyor
副臂单独动作	Sub-arm individual motion	水口落下测下降	Runner descent at release side
胶口途中开放(去程, 返程)	Midway runner release(Move, Revert)	水口侧可动取出	Runner extraction from moving side
模内开放	Product release within mold	2国语言切换 (中文, 英文)	Two language exchange(Chinese/English)
内部存储记忆 (最大30种类型)	Internal memory (for Max 30 molds)		

选项功能 Option function

- ◆夹具内剪刀回路 Air nipple circuit in gripper
- ◆滑移取出 Under-cut extraction
- ◆NT动作剪切动作 NT runner cutting
- ◆固定可动切换 Extraction from fixed side
- ◆吸着确认2回路 Vacuum confirmation unit (2 circuits)
- ◆制品确认 Product confirmation

产品结构图 Product Structure Diagram



外形尺寸	OUTER DIMENSIONS	ADW-120	ADW-120S
A 总高	Overall height	1700(1900)mm	
B 总长	overall length	2856mm	
C 走行行程	Traverse stroke	2000mm	
D 主臂上下行程	Main-arm vertical stroke	1200 (1600) mm	
E 主臂上下待机	Main-arm vertical standby	204mm	
F 夹具安装有效空间	Bottom of crosswise to chuck mount position	376mm	
G 底座里侧面-箱体末端	Base side face-Box end	454mm	
H 副臂上下待机	Sub-arm Vertical standby	—	254mm
I 主臂前进最大值	Main-arm reach max	1200mm	
J 主臂前进最大行程	Main-arm crosswise stroke max	350mm	350mm
K 主臂前后待机最小值	Main-arm crosswise standby min	—	594mm
L 主副臂接近最小值	Main/Sub-arm proximity min	—	313mm
M 副臂前进最大行程	Sub-arm crosswise stroke max	—	150mm
N 副臂前后待机最小值	Sub-arm crosswise standby min	—	131mm
O 前后臂末端-箱体末端	Crosswise arm end-Box end	2238mm	

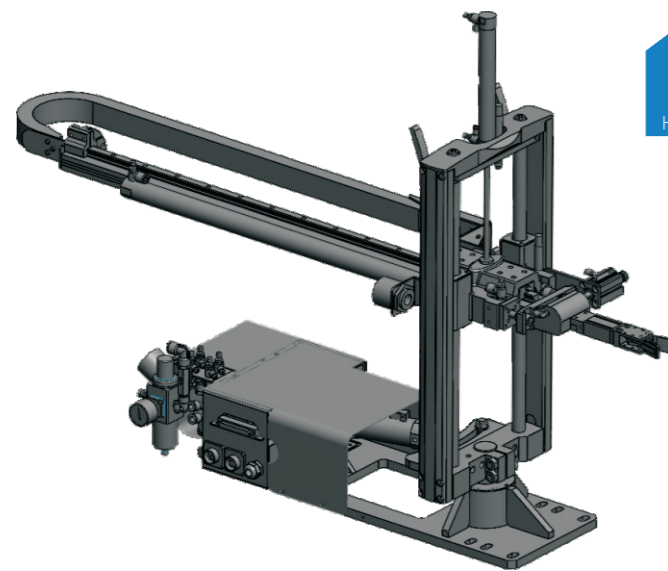
○当尺寸D是1200mm时, 尺寸A为1700mm

○when dimension D is 1200mm, A is 1700mm

○当尺寸D是1600mm时, 尺寸A为1392mm

○when dimension D is 1600mm, A is 1900mm

L-550(V) / L-650(V)



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

80~150ton



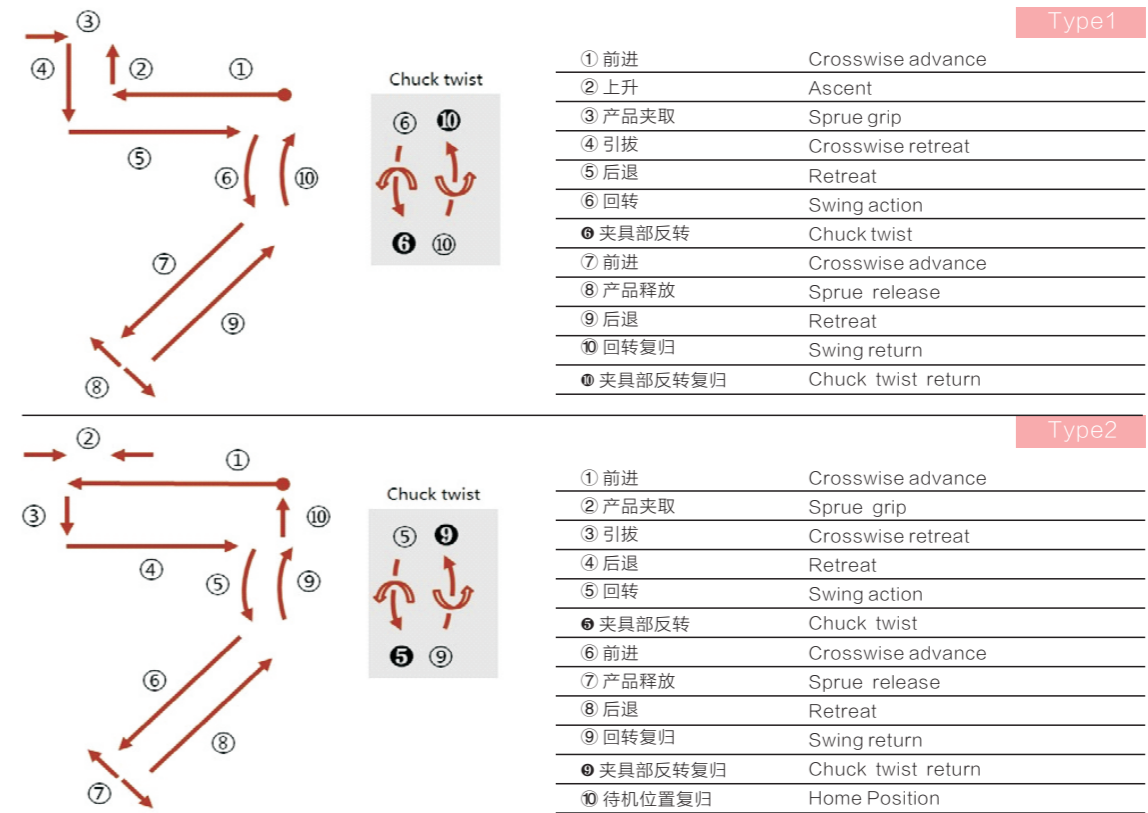
规格表 Specification Sheet

型式 MODEL	单位/UNIT	L-550 (V)	L-650 (V)
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	0.1	
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	8.5	9.5
驱动方式 Drive System	—	气缸/Air Cylinder	
夹具部反转 Chuck twist	—	180°	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	2【含夹具重量 / Incl Chuck Weight】	
■ 行程 Stroke			
上下 Vertical	mm	150	150
前后 Crosswise	mm	550	650
回转 Swing	mm	50° ~90° 【0°固定 Fixed】	
■ 本体重量 Net Weight			
本体 Main Body	Kg	28	30

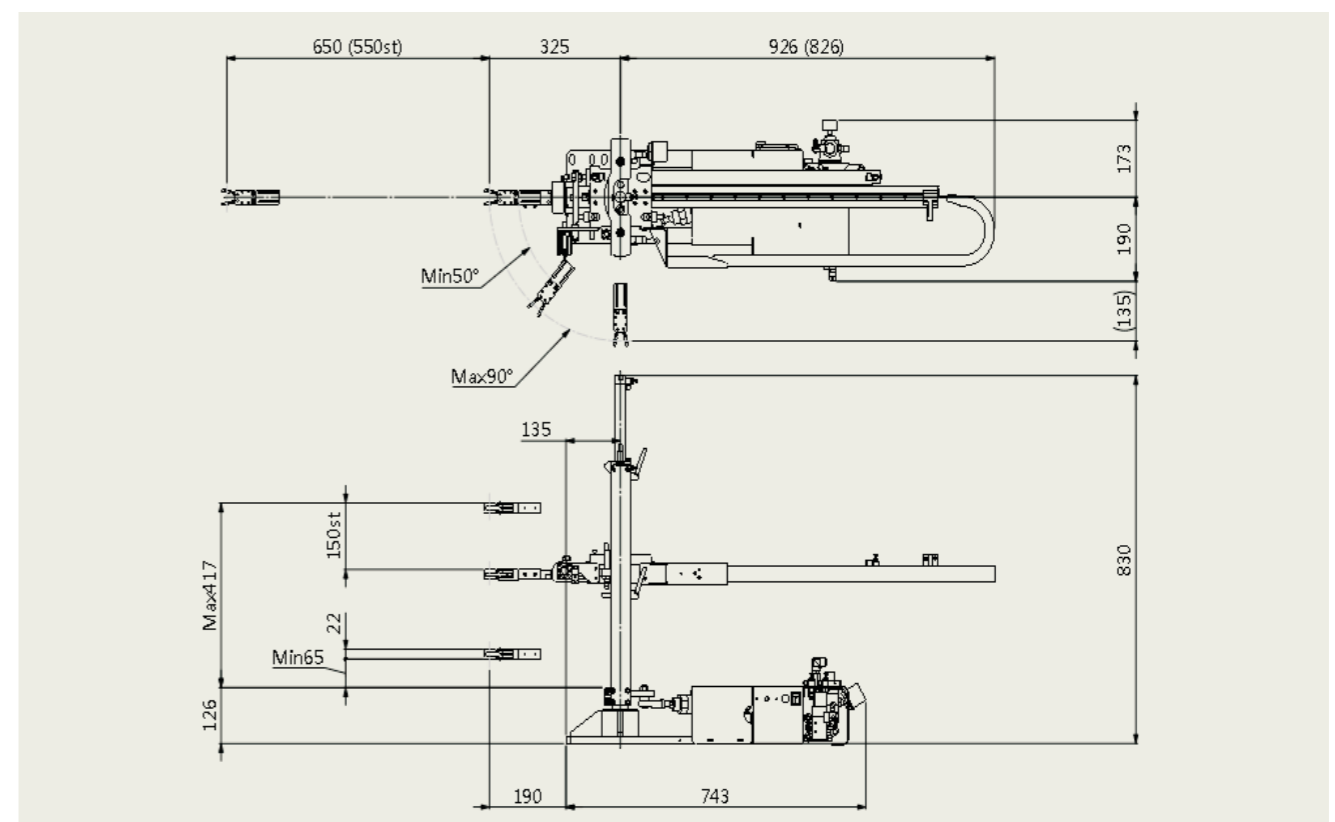
特长 Features

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

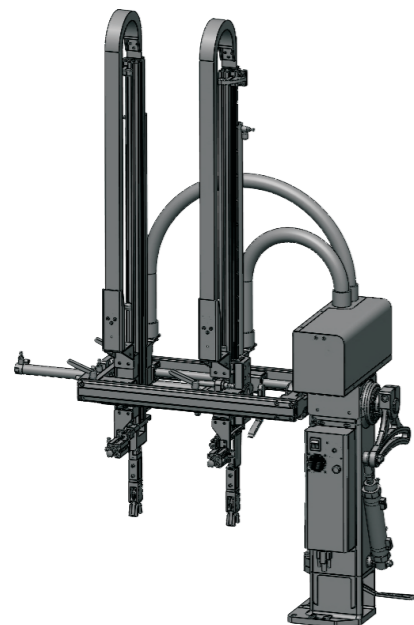
基本动作 Motion pattern



产品结构图 Product Structure Diagram



X-550(PR V) / X-650(PR V)



- 01**
高效率
High efficiency
- 02**
精密性高
High Precision
- 03**
减少成本
Reduce Cost
- 04**
安全性高
High Safety

注塑机锁模力
Injection mould clamping force range

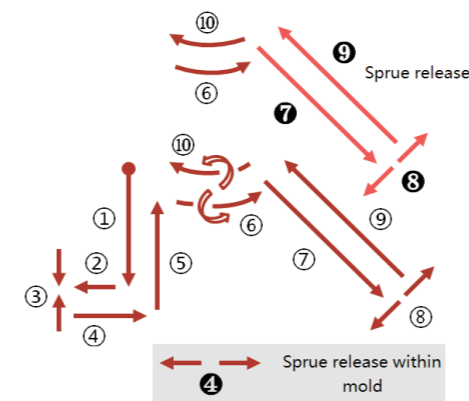
80~150ton



规格表 Specification Sheet

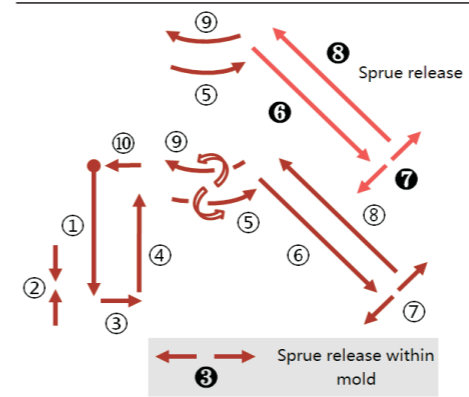
型式 MODEL	单位/UNIT	X-550 (PR V)	X-650 (PR V)
电源 Power Source	V	AC220 ± 10% 50/60Hz	
最大消费电力 Max Power Consumption	KW	0.1	
使用气压 Air Pressure	MPa	0.5~0.7	
空气消费量 Air Consumption	NI/cycle	17.5	22.5
驱动方式 Drive System	—	气缸/Air Cylinder	
夹具部反转 Chuck twist	—	90°	
■ 气缸推力(气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)			
最大可搬重量 Max.Load	Kg	2【含夹具重量 / Incl Chuck Weight】	
■ 行程 Stroke			
上下 Vertical	mm	550	650
前后 Crosswise	mm	150	150
回转 Swing	mm	50° ~90° 【0° 固定 Fixed】	
■ 本体重量 Net Weight			
本体 Main Body	Kg	50	52

基本动作 Motion pattern



Type1

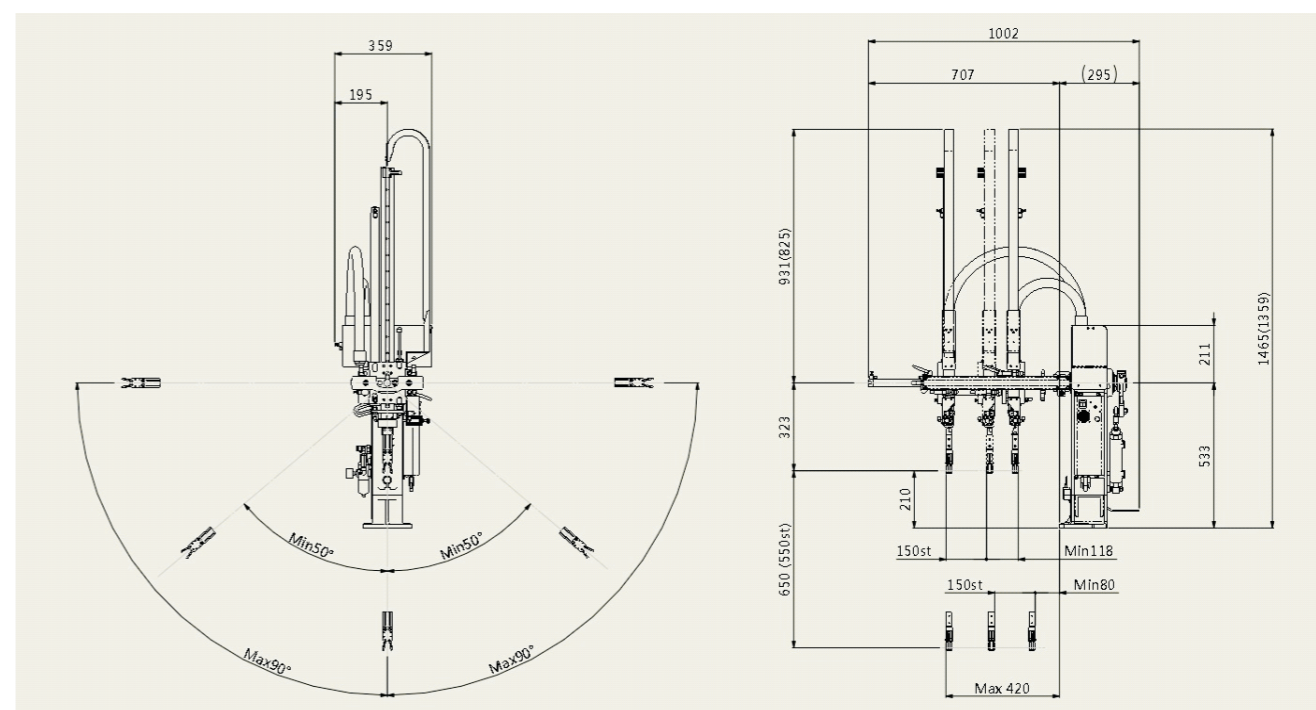
① 下降	Descent
② 前进	Crosswise advance
③ 产品夹取	Product grip
④ 引拔	Crosswise retreat
⑤ 产品释放	Product release within mold
⑥ 回转	Swing action
⑦ 下降	Arm extend
⑧ 产品释放	Product release
⑨ 上升	Arm retreat
⑩ 回转复归	Swing return
夹具部反转 (产品侧)	Chuck twist (product side)



Type2

① 下降	Descent
② 产品夹取	Product grip
③ 引拔	Crosswise retreat
④ 产品释放	Product release within mold
⑤ 上升	Ascent
⑥ 回转	Swing action
⑦ 夹具部反转 (产品侧)	Chuck twist (product side)
⑧ 下降	Arm extend
⑨ 产品释放	Product release
⑩ 上升	Arm retreat
⑪ 回转复归	Swing return
夹具部反转复归 (产品侧)	Chuck twist return (product side)
⑫ 待机位置复归	Home position

产品结构图 Product Structure Diagram



客户服务篇

Chapter of Service

主动服务理念
Active Service Concept

不求在一次交易中获利 寻求与客户建立长期稳定的合作
To pursue long-term and stable cooperation with customers rather than to make profits in only one deal.



生产现场 Production Site

坚持自有品牌，自主研发路线。

专业的研发团队：在系统规划、机械设计、电路控制、程序开发、软件测试方面均配有专业团队，专职从事相关工作。

严苛的制造工艺：激光切割，CNC精密零件加工中心，采用先进涂装工艺，标准化的组装流程。

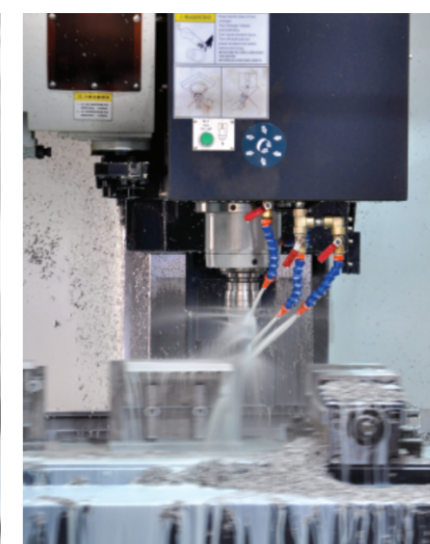
Stick to our own brand and independently R&D route.

Professional R&D team: system planning, mechanical design, circuit control, program development and software test, professional teams engaged in related work.

Rigorous manufacture process: laser cutting, cnc precision machining, advanced surface coating and standard assembling procedure.



加工现场
Processing Site



采用国际先进的数控冲床，数控折弯机、剪板机及车铣床，确保加工工艺的精确优良及品质稳定。

International advanced CNC pressing machine, bender, steel plate shearer, lathe and milling machine are adopted to guarantee precision and stable quality of machining process.





超过4000家客户鉴证并长期支持

售后服务 After-Sale Service

不求在一次交易中获利 寻求与客户建立长期稳定的合作

To pursue long-term and stable cooperation with customers rather than to make profits in only one deal.

对于传统设备供应商将重点放在业务推销和质量管控而言，对于售后服务的重视是拓斯达公司深入人心的又一大亮点。

我们率先提出了“主动服务”的概念。

不再满足于被动维修的快捷，我们专门设立了售后服务电话回访制度，对售后服务的满意度全程追踪，同时我们建立了季度巡检和年度检修制度。主动帮助客户保养设备并找出需要改善的方面，然后协同研发部找出对策，使产品不断趋于完善。

Traditional equipment suppliers will place their focus on business promotion and quality management and control. However, TOPSTAR attaches much importance to after-sales services, which is another highlight for the company to win public support.

We have initially proposed the concept of "Active Service".

We are no longer satisfied about the quickness of passive repair. Therefore, we have specifically established an after-sales service telephone return visit system to conduct full-journey tracking of the satisfaction of after-sales services. Meanwhile, we have established a quarterly routing inspection and annual overhaul system to actively help customers maintain the equipment and find places to improve. Then, we coordinate with R&D department to find relevant countermeasures to continuously perfect the products.

全国销售网点 National Sales Outlets

