

一群人，
一件事，
唯有机器人！



伯朗特董事长：尹荣造

广东伯朗特智能装备股份有限公司成立于2008年，公司注册资本4500万，目前拥有员工近400余人，是广东省机器人骨干企业（第一批），同时也是广东省战略新兴产业骨干企业。专业研发、生产、销售机器人和机械手。

2014年1月24日广东伯朗特智能装备股份有限公司成为新三板扩容后首批挂牌企业，也是新三板全国扩容以来首家在中登公司完成股份登记的挂牌企业，同时也是机器人行业首家挂牌企业，股票代码：430394，简称：伯朗特。

“尹氏机器人产业梦语”：全球机器人产业出路就两个字：成本！成本！成本！只要让全球上亿家中小企业：买得起、用得起机器人一定会引爆全球机器人产业每年上亿台的需求量，成为下一个汽车产业。买得起的核心是“大道至简”，而用得起的核心是伯朗特首创的“应用商模式”，这是梦想牵引的力量、是相信相信的力量、更是知行合一的力量。

历经五年（2013.11.5~2018.12.17）形成了伯朗特思想论和2049的方法论，伯朗特思想论的核心是唯有机器人，2049的方法论指的是实现2112工程（2个1：一个奋斗目标完成年销售4000万台机器人和机械手替换全球4000万劳工，一个重心1.11伯朗特文化节；1个2：“轻资产、重资本”运作模式下的双轮驱动伯朗特应用商模式和荣造基金模式。接下来五年是伯朗特“三五规划”（2019：2.5万台，2020：5万台，2021：10万台，2022：20万台，2023：40万台）的落地五年，全体伯朗特人为完成伯朗特2049第二步销售40万台机器人和机械手、营收破百亿而努力奋斗！路途遥远、行则将至，我们还有伯朗特“四五规划”、“五五规划”、“六五规划”、“七五规划”、“八五规划”、伯朗特·唯有2049，同心者同路，去做就有可能，想永远不可能，让我们一起携手在2049追梦的路上.....

Guangdong Bo Langte Intelligent Equipment CO., Ltd. was founded in 2008. The registered capital is 45million RMB. we have around 400 employees now. Bo Langte is also robot backbone enterprises of R&D, production, sales, service of industrial robots, level robot, IMM robot, stamping robot, die casting robot, intelligent equipment system in Guangdong Province.

Guangdong Bo Langte Intelligent Equipment Co.,Ltd. became the first listed company after the NEEQ national expansion on January 24, 2014. Bo Langte is also the first listed company that completes the share register since the NEEQ national expansion in China Securities Depository and Clearing Co., Ltd. At the same time, we are the first listed company in robot industry, The stock code is 430394.The short name is BORUNTE.

Yin's Robot Industry Words":The Key of China robot Industry is:Cost,Cost,Cost! As long as millions of small and medium-sized enterprises afford and apply robots to all over the world, the demand of robots will sharply increase, up to millions unit each year, and become the next car industry. The core of affordability is "Run simple",the core of application is "Bo langte Agents' Model". This is the power of dream traction, the power of trust, the power of unity of knowledge and action.

It took five years to develop BORUNTE theory of thought and the methodology of 2049 from November 5, 2013 to December 17, 2018. The core of BORUNTE theory of thought is that there are only robots. The methodology of 2049 that means 2112 project with one goal, one center and two-wheel driving. One goal is to sell 40 million robots a year to replace 40 million workers all over the world; One center refers to the 1.11 BORUNTE cultural festival; Two-wheel driving refer to the agent business model and rongzao fund model. The next five years are the five years of the implementation of the "three-five plan". Our goal is to produce 25,000 robots by 2019, to produce 50,000 robots by 2020, to produce 100,000 robots by 2021, to produce 200,000 robots by 2022, to produce 400,000 robots by 2023. All the BORUTNE people have worked hard to complete the second step of BORUNTE 2049, which is to sell 400,000 robots and break the revenue of 10 billion. It is a long way to go, the line will come, we also have the "four-five plan", "five-five plan", "six-five plan", "seven-five plan", "eight-five plan". It is possible to do it. It's impossible to think about it. Let us join hands in the 2049 dream on the road.....

伯朗特思想论

伯朗特梦

我们的梦想

从伯朗特起航

不管再大的风浪

携起手来勇敢去闯

我们的梦想

在伯朗特发光

万亿目标的战略

要成为智能制造的领头羊

我们的梦想

和伯朗特一起飞翔

智能大学的崛起

有你有我有爱的力量

始于2013年11月05日

定于2013年11月27日

伯朗特人

演唱：尹荣超

曲：陈耀川
词：尹荣超
君悦传媒

1=E 4/4 选调C
每分钟80拍

Am 6·1 6 5 6·1 6 5 | 5 0 0 0 | Am 6·1 2 3 | Em 0 0 3 5 | Am 6·1 6 5 6·1 6 5 | 6 5 3 2 3 - | Dm 2·3 2 1 2·3 2 1 | Em 3 5 | Am 3 5 7 6 -) |
(伴)啊.....

Am 6·1 6 5 6·1 6 5 | 6·1 2 1 6 - | Dm 2·3 2 1 2·3 2 1 | 2 1 1 2 3 - | Am 6 6 5 3 2 3 5 | 6 5 3 2 3 |
伯朗特的智能制造 汇聚三个梦 万亿目标智能大学 实现每个梦。五十年风云际会 凝成一条路

Dm 2 2 1 6 5 6·1 | 2 1 6 5 6 - | 8 6 1 6 5 | 6 1 2 3 - | 6 6 6 5 6 6· | 6 6 | 6 5 2 3 3 - | 6 1 6 5 |
军队加学校家庭 文化来贯通。保证完成 坚决完成 世界的智造 我们道远任重 智能制造

6 1 2 3 - | Dm 2 2 2 1 2 2· 3 5 | Am 6·1 7 6 6 6 - | 6·1 6 5 6·1 6 5 | 6 5 6 5 3 - | 6 6 5 3 2 3 5 | 6 1 6 5 6 - :||
世界大同 创新促永续 勇攀行业颠峰。手牵着手不分你我 昂首向前走 让世界知道我们都是伯朗特人。

1. 6·1 6 5 6 - | 6·5 6 5 3 - | Dm 2·3 2 1 2 - | 3 5 3 2 3 3 5 | Am 6·1 6 5 6·1 6 5 | 6 5 6 5 3 - | Dm 2 2 3 2 1 6 5 | 6 - - - ||
啊..... D.S.

Am 6 1 2 3 | Am 6·1 6 5 6·1 6 5 | 6 5 6 5 3 - | 6 6 5 3 2 3 5 | Am 6 1 6 5 6 - :|| Am 6 1 6 5 | 6 - - - | 6 - - - ||
(合)啊..... 手牵着手不分你我 昂首向前走，让世界知道我们 都是伯朗特人。都是伯朗特人。

原创于2013年11月5日晚

定稿于2013年11月27日晚

伯朗特·唯有2049

诠释：

① 因为相信，所以看见，因为梦想，所以远方……（这是梦想牵引的力量，是相信相信的力量！）

② 营收万亿级，一群人、一辈子、一件事、机器人。（更是知行合一的力量！）

伯朗特·唯有2108

诠释：

① 因为相信，所以看见，因为梦想，所以远方……（这是梦想牵引的力量，是相信相信的力量！）

② 百年伯朗特，几代人、一件事、机器人。（更是知行合一的力量！）

伯朗特·唯有3008

诠释：

① 因为相信，所以看见，因为梦想，所以远方……（这是梦想牵引的力量，是相信相信的力量！）

② 千年伯朗特，几十代人、一件事、机器人。（更是知行合一的力量！）

实现共产主义事业要奋斗上百年乃至上千年……

定于2018年11月21日

2049的方法论

伯朗特2049破万亿营收路径图分四步走

第一步：完成年销售4万台机器人和机械手；（营收十亿级）

第二步：完成年销售40万台机器人和机械手；（营收百亿级）

第三步：完成年销售400万台机器人和机械手；（营收千亿级）

第四步：完成年销售4000万台机器人和机械手。（营收万亿级）

一辈子，一件事，尹荣超始于2018年7月28日

定于2018年11月3日

1.11伯朗特文化节

伯朗特文化节

它是宣言书

向智能制造发出呐喊

王侯将相宁有种乎？

伯朗特文化节

它是播种机

在智能制造播洒希望

星星之火，可以燎原！

伯朗特文化节

它是指明灯

为智能制造指明方向

路途遥远、行则将至！

1.11伯朗特文化节

一场智能制造的饕餮盛宴

智能制造，世界大同

同心者同路！

释义：① 每年的1月11日是伯朗特员工+伯朗特供应商+伯朗特应用商的狂欢节日（开启篇章）；

② 一群人、一件事、唯有机器人（为何事来）；

③ 伯朗特·唯有2049、伯朗特·唯有2108、伯朗特·唯有3008（向何处去）。

定于2018年12月17日

伯朗特应用商模式

万亿伯朗特，千亿中山巨信、千亿东莞理想、千亿苏州全才、千亿无锡新伯朗特、千亿河北众朗特、千亿东莞创利达、千亿江苏比一比、千亿江西龙恩、千亿上海珂珩、千亿广州伯朗特、千亿宁波朗杰、千亿吉林铂朗特、千亿广州智真、千亿东莞聚为、千亿重庆宏高、千亿重庆浩林斯顿、千亿广州硕霖、千亿惠州伯朗特、千亿东莞巴顿贝塔、千亿厦门博润特、千亿深圳伯朗特……

营收万亿级，一群人、一辈子、一件事、机器人。

始于2018年11月3日

荣造基金模式

荣造一号7500万（10×750万，已完成）伯朗特2049第一步

荣造二号10.5亿（20×5250万，募集中）伯朗特2049第二步

荣造三号105亿（105×1亿，未成立）伯朗特2049第三步

荣造四号1050亿（1050×1亿，未成立）伯朗特2049第四步

尹荣超定于2018年11月2日

BRTIRPZ Series

四轴冲压工业机器人 Four-axis Stamping Robot

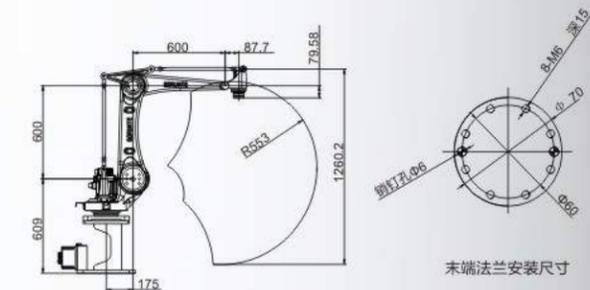
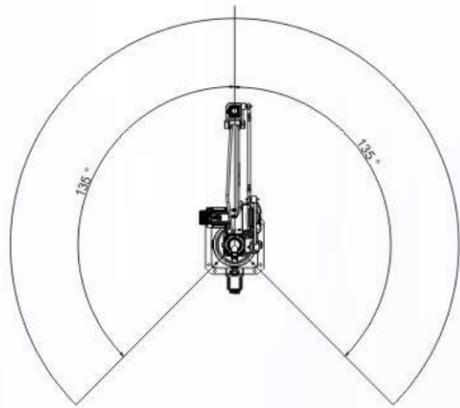
产品特点 Product Features

- BRTIRPZ1508A采用全伺服电机驱动，响应速度快，精度高。其最大负载为8KG,最大臂展可达1500mm。以紧凑的结构实现大范围动作，运动灵活，精准。
- 用途：在工业生产中能代替人做某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业，例如在冲压机、压力铸造、热处理、焊接、涂装、塑料制品成形、机械加工和简单装配等工序上，以及在原子能工业等部门中，完成对人体有害物料的搬运或工艺操作等，完美完成上下料工艺。
- BRTIRPZ1508A applies full servo motor drive with fast response and high position accuracy. The maximum load is 8KG, the maximum arm length is 1500mm. Compact structure achieves a wide range of movements, flexible sports, precise.
- Suitable for dangerous and harsh environments, such as stamping, pressure casting, heat treatment, welding, painting, plastic molding, machining and simple assembly processes. And in the atomic energy industry, completing the handling of hazardous materials and others. It is suitable for punching.

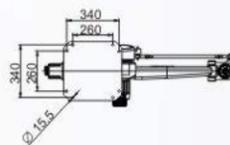


主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist		臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	R34					
BRTIRPZ1508A	臂展 Arm Length (mm)	地面-2轴距 609mm	2-3轴距 600mm	3-4轴距 600mm			1500mm	8KG	0.05mm	3.5KVA	约182KG
	范围 Range (°)	±135°	-70°/+25°	-75°/+20°	±360°	R60°~180°					
	最大速度 Max. Speed (#/s)	180°/S	150°/S	250°/S	450°/S						



末端法兰安装尺寸



底座安装尺寸



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。
Without further notice if specification and exterior have been changed because of improvement.Thanks for your understanding.

BRTIRSC Series

四轴水平机器人 Selective Compliance Assembly Robot Arm

产品特点 Product Features

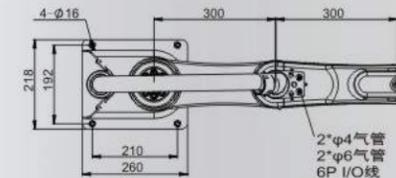
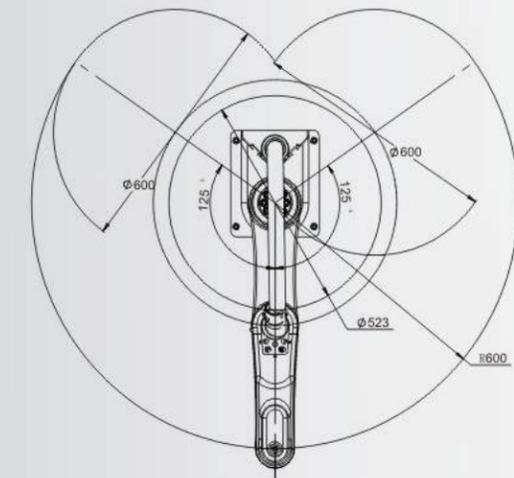
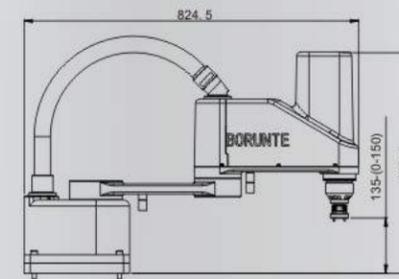
- BRTIRSC0603A是广东伯朗特智能装备股份有限公司针对某些单调、频繁和重复的长时间作业等而开发的一款水平四轴机器人，其拥有600mm臂展，最大负载可达3kg。多自由度的灵活性主要用于印刷包装、金属加工、轻纺家居、电子装备、等领域。
- 防护等级高——IP54
- 精度高——重复定位精度0.02mm



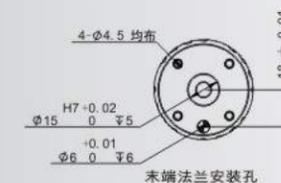
BRTIRSC0603A type robot is a four axis robot that developed for some monotonous, frequent and repetitive long-term operations.The maximum arm length is 600mm. The maximum load is 3KG. Suitable for printing and packaging, metal processing, textile home furnishing, electronic equipment, and other fields . The protection grade reaches IP54 The repeat positioning accuracy is 0.02mm.

主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist	臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3						
BRTIRSC0603A	范围 Range (°)	±125°	±125°	0-150mm	±360°	600mm	3KG	0.02mm	0.8KVA	约22KG
	最大速度 Max. Speed (#/s)	480°/s	576°/s	900mm/s	480°/s					



2"φ4气管
2"φ6气管
6P I/O线



末端法兰安装孔

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BRTIRUS Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

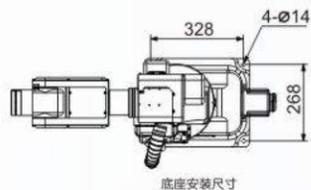
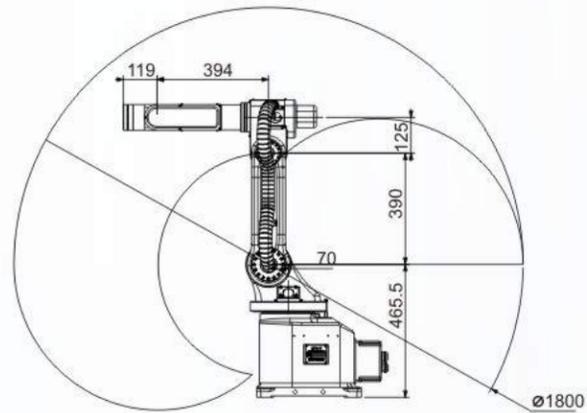
BRTIRUS0805A型机器人是伯朗特机器人第三代，整个系统操作简单、结构紧凑、定位精度高、动态性能好，其5kg的负载能力尤其适用于注塑、取件、冲压、搬运、上下料、装配等领域，适用于注塑30T-250T。

BRTIRUS0805A type robot is BORUNTE's the third generation of robots. The whole operation system is simple, compact structure, high position accuracy and has good dynamic performance. The load ability is 5kg, especially suitable for molding, picking stamping, forging, handling, loading, assembling, etc.



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS0805A	臂展 Arm Length (mm)	地面-2轴距 465.5mm		2-3轴距 390mm		3-5轴距 394mm	5轴-端面距 119mm	940mm	5KG	0.05mm	2.8KVA	约65KG
	范围 Range (°)	±180°	-100°/+90°	-80°/+95°	±180°	±120°	±360°					
	最大速度 Max. Speed (#/S)	266°/S	297°/S	300°/S	333°/S	500°/S	500°/S					



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BRTIRUS Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

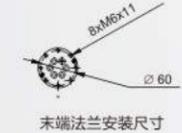
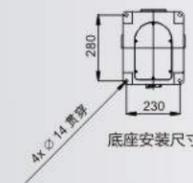
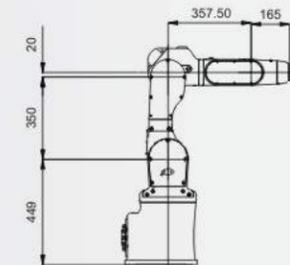
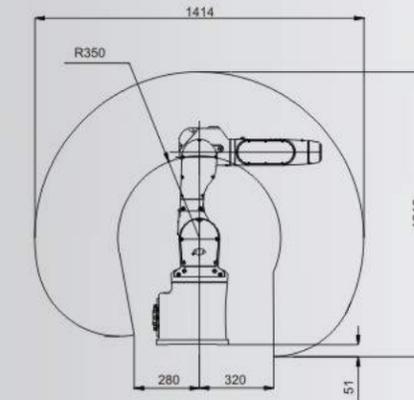
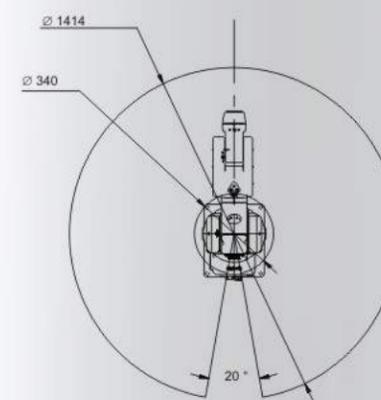
BRTIRUS0707A是广东伯朗特智能装备股份有限公司针对某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业等而开发的一款六轴工业机器人，其拥有700mm臂展，最大负载可达7kg。多自由度的灵活性对打磨、装配、喷涂、等场景能够应对自如。防护等级高——IP 65，防尘防水
精度高——重复定位精度0.03 mm

BRTIRUS0707A type robot is a six axis robot that developed for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 700mm. The maximum load is 7KG. Suitable for polishing, assembling, painting, etc. The protection grade reaches IP65. The repeat positioning accuracy is 0.03mm.



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS0707A	臂展 Arm Length (mm)	地面-2轴距 449mm		2-3轴距 350mm		3-5轴距 357.5mm	5轴-端面距 165mm	700mm	7KG	0.03mm	3.12KVA	约60KG
	范围 Range (°)	±170°	±100°	-60°/+120°	±180°	±115°	±360°					
	最大速度 Max. Speed (#/S)	320°/S	360°/S	360°/S	405°/S	180°/S	450°/S					



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BRTIRSE Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

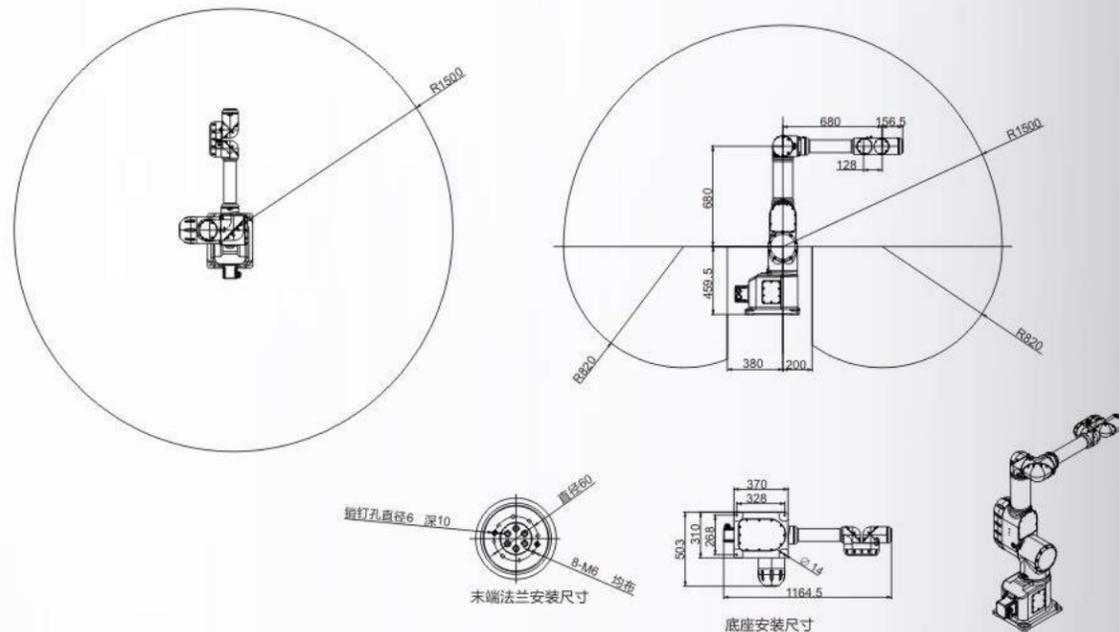
- 采用伺服电机配谐波减速机结构，体积小、工作范围大、速度快、精度高、可与转台、滑台、输送链系统等辅助设备集成作业。
- 整机采用全密封，防尘防水，IP65，适用环境恶劣的油污、粉尘行业。
- 控制系统掌上型对话式操作器简单易学，非常适合生产使用。
- 柔性大，可实现外表面和内表面的喷涂。适用范围：汽车内饰件、摩托车配件、头盔、家电、笔记本外壳、手机外壳、音响外壳等一些外观不规则的产品表面涂装，节省油漆。
- 机器人本体采用内走线，安全，环保。
- 适于：搬运、上下料、装配等领域。

BRTIRSE1506A type robot for spraying application. The extension of the standard series 6 axis structure, increase the range of activities of each link, so it can be used to deal with a variety of applications. The close design, protection grade reaches IP65, suitable for spraying workshop, ash site and humid environment. In line with built-in motor design, greatly reduce the bulk of the secondary pollution; sleek, smooth, easy to filth and clean, and convenient for higher level health industry application. It is suitable for forging, handling, loading, assembling, etc..



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRSE1506A	臂展 Arm Length (mm)	地面-2轴距 459.5mm		2-3轴距 680mm		3-5轴距 680mm	5轴-端面距 156.5mm	1500mm	6KG	0.08mm	3.3KVA	约125KG
	范围 Range (°)	±180°	±90°	-65°/+255°	±180°	±115°	±360°					
	最大速度 Max. Speed (°/S)	150°/S	150°/S	250°/S	450°/S	360°/S	450°/S					



因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。
Without further notice if specification and exterior have been changed because of improvement. Thanks for your understanding.

BRTIRWD Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

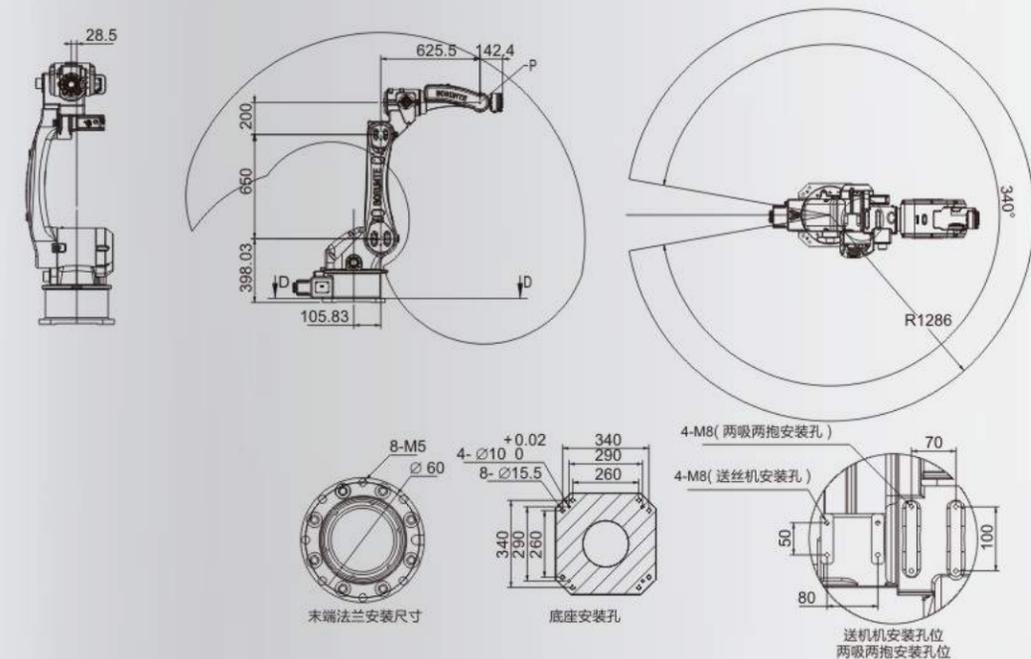
BRTIRWD1506A 是广东伯朗特智能装备股份有限公司针对焊接应用行业开发的六轴机器人。机器人结构紧凑、体积小、重量轻、最大负载6KG、臂展1500mm。腕部采用中空结构，走线更方便、动作更灵活。防护等级高—IP54, 防尘防水。精度高—重复定位精度0.06mm

BRTIRWD1506A six axis industrial robot is Guangdong Bo Langte Intelligent Equipment Co., Ltd designed for the development of the welding application industry. The robot has compact structure, small volume and light weight. The maximum load is 6KG, the maximum arm length is 1500mm. The wrist applies hollow structure with more convenient trace and flexible action. The protection grade reaches IP54. The repeatability is 0.06mm.



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRWD1506A	臂展 Arm Length (mm)	地面-2轴距 398.03mm		2-3轴距 650mm		3-5轴距 625.5mm	5轴-端面距 142.4mm	1500mm	6KG	0.06mm	3.25KVA	约175KG
	范围 Range (°)	±165°	-90°/+65°	-85°/+140°	±150°	±110°	±360°					
	最大速度 Max. Speed (°/S)	148°/S	147°/S	147°/S	85°/S	260°/S	300°/S					



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BRTIRUS Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

BRTIRUS1510A是广东伯朗特智能装备股份有限公司针对多自由度的复杂应用而开发的六轴机器人，其最大负载可达10kg，拥有1500mm臂展。采用轻量式手臂设计，机械结构紧凑、简洁，在高速运动状态下，能够在狭小工作空间内进行灵活作业，满足柔性化生产需要。六个自由度的灵活性对上下料、注塑、压铸、装配、涂胶、打磨、检测等场景能够随心所欲。

防护等级高——IP 65，防尘防水

精度高——重复定位精度0.05mm

操作简单——采用华成控制系统

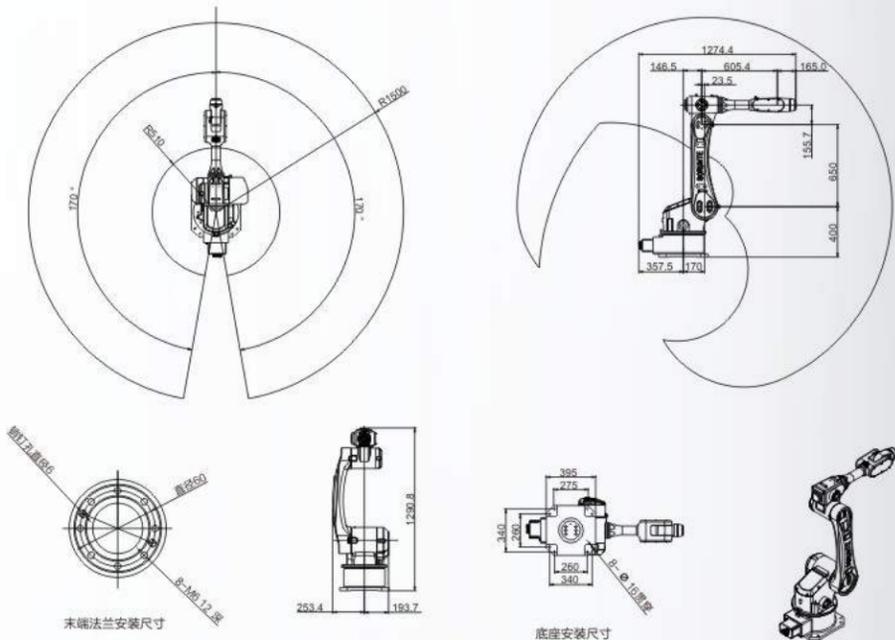
适用于注塑机：200T-600T

BRTIRUS1510A type robot developed for complex applications. The maximum load is 10KG, the maximum arm length is 1500mm. Suitable for painting, welding, molding, stamping, forging, handling, loading, assembling, etc. The protection grade reaches IP65. The repeatability is 0.05mm. It is suitable for injection molding machine range from 200Ton to 600Ton.



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS1510A	臂展 Arm Length (mm)	地面-2轴距 400mm		2-3轴距 650mm	3-5轴距 605.9mm		5轴-端面距 165mm	1500mm	10KG	0.05mm	3.3KVA	约158KG
	范围 Range (°)	±165°	-95°~+70°	-85°~+95°	±180°	±115°	±360°					
	最大速度 Max. Speed (#/S)	148°/S	148°/S	223°/S	250°/S	270°/S	337°/S					



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BRTIRUS Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

BRTIRUS1820A是广东伯朗特智能装备股份有限公司针对多自由度的复杂应用而开发的六轴机器人，其最大负载可达20kg，拥有1850mm臂展。其大负载、大臂展配合公司深耕注塑行业将近20年的经验以及对注塑操作简单简单的华成系统，适用于80%以上的注塑机、CNC，能够在注塑及CNC上下料撑起一片天。

防护等级高——IP 54，防尘防水

精度高——重复定位精度0.06 mm

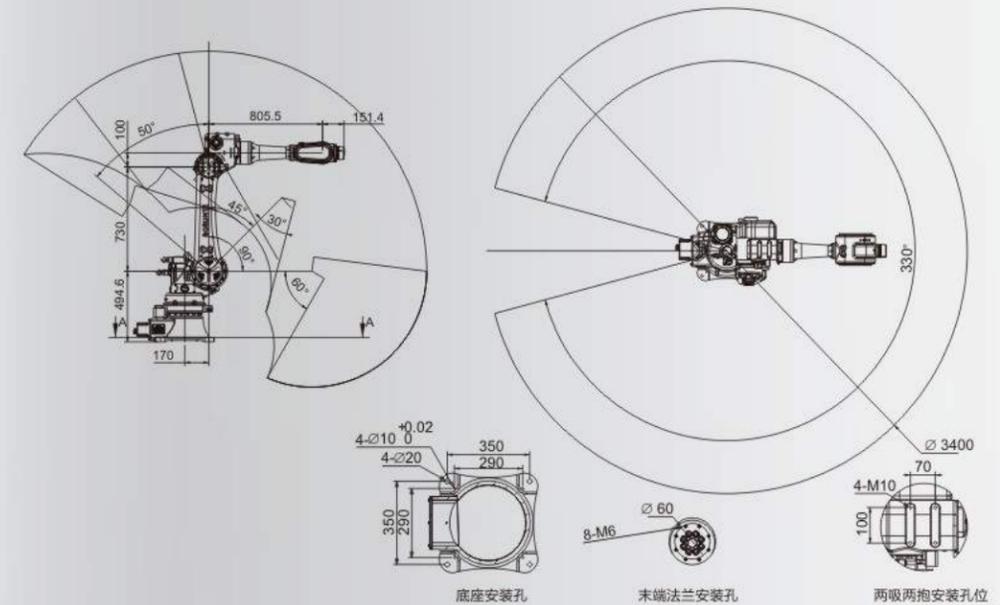
适用于注塑机：500T-1300T

BRTIRUS1820A type robot developed for complex applications. The maximum load is 20KG, the maximum arm length is 1850mm. Suitable for painting, welding, molding, stamping, forging, handling, loading, assembling, etc.The protection grade reaches IP54. The repeatability is 0.06mm. It is suitable for injection molding machine range from 500 Ton to 1300 Ton.



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS1820A	臂展 Arm Length (mm)	地面-2轴距 494.6mm		2-3轴距 730mm	3-5轴距 805.5mm		5轴-端面距 151.4mm	1850mm	20KG	0.06mm	5.9KVA	约220KG
	范围 Range (°)	±150°	-90°/+50°	-60°/+105°	±180°	±95°	±360°					
	最大速度 Max. Speed (#/S)	118°/S	156°/S	143°/S	350°/S	270°/S	337°/S					



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BRTIRUS Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

BRTIRUS2550A是广东伯朗特智能装备股份有限公司针对多自由度的复杂应用而开发的一款六轴工业机器人，其拥有2550mm超长臂展，最大负载可达50kg。六个自由度的灵活性对上下料、装配、注塑等场景能够应对自如。

防护等级高——IP 54，防尘防水

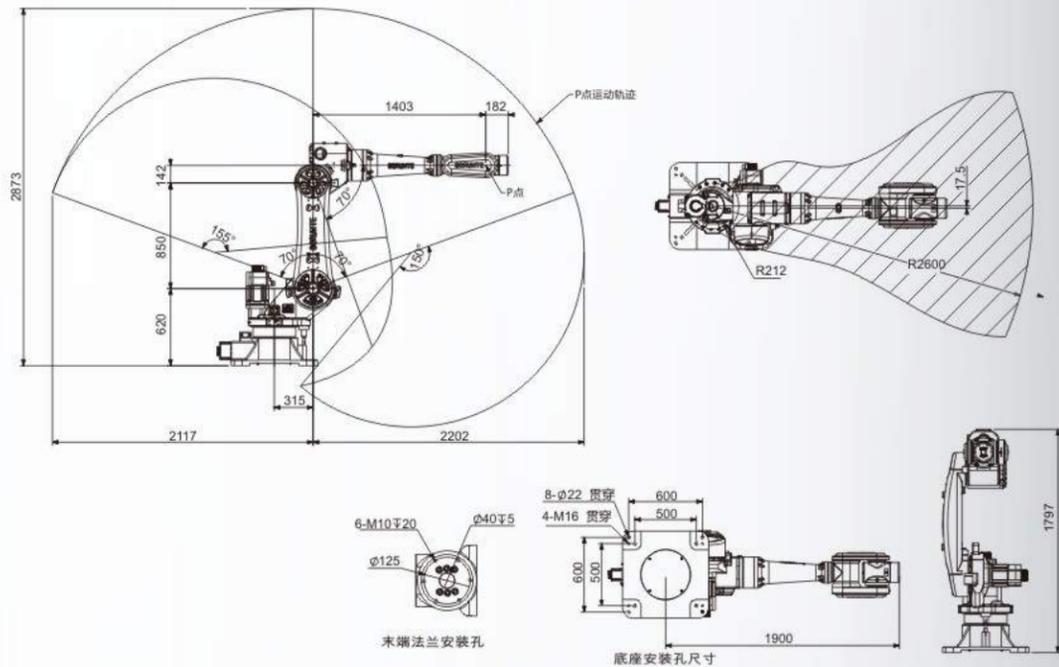
精度高——重复定位精度0.2 mm

BRTIRUS2550A type robot is a six axis robot that developed for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 2500mm. The maximum load is 50KG. Suitable for loading and unloading, assembling, molding, stacking etc. The protection grade reaches IP54. The repeat positioning accuracy is 0.2mm.



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2550A	臂展 Arm Length (mm)	地面-2轴距 620mm		2-3轴距 850mm		3-5轴距 1403mm	5轴-端面距 182mm	2550mm	50KG	0.2mm	16.7KVA	约610KG
	范围 Range (°)	±165°	±70°	-70°/+90°	±180°	±125°	±360°					
	最大速度 Max. Speed (#/S)	126°/S	105°/S	105°/S	324°/S	300°/S	300°/S					



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BRTIRUS Series

六自由度工业机器人
Six Axis Industrial Robot

产品特点 Product Features

BRTIRUS3511A是广东伯朗特智能装备股份有限公司针对某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业等而开发的一款六轴通用工业机器人，其拥有3500mm臂展，最大负载可达100kg。多自由度的灵活性对上下料、搬运、码垛等场景能够应对自如。

防护等级高——IP54，防尘防水

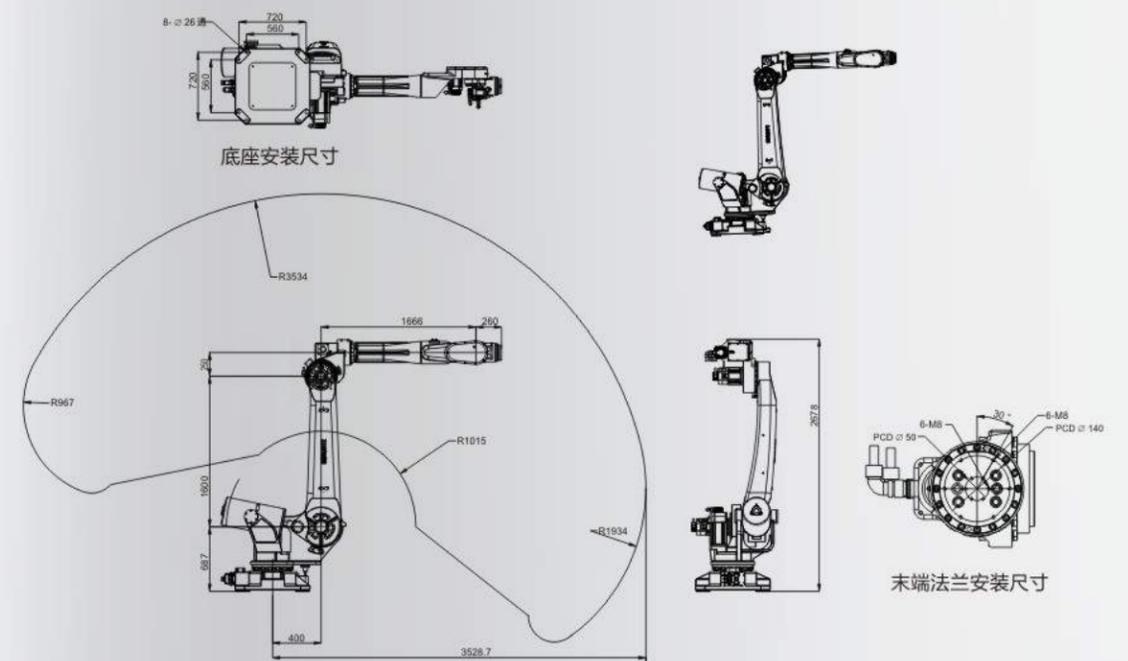
精度高——重复定位精度0.2mm

BRTIRUS3511A type robot is a six axis robot that developed for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 3500mm. The maximum load is 100KG. Suitable for loading and unloading, handling, dismantling and stacking etc. The protection grade reaches IP54. The repeat positioning accuracy is 0.2mm.



主要规格 Main Specification

产品型号 Model	项目 Item	手臂 Arm			手腕 Wrist			臂展 Arm Length	负载 Loading ability	重复定位精度 Repeatability	电源容量 Power Source	本体重量 Net Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS3511A	臂展 Arm Length (mm)			2-3轴距 1200mm	3-4轴距 250mm	3-5轴距 1666mm	5轴-端面距 260mm	3500mm	100KG	0.2mm	24.3KVA	约1351.7KG
	范围 Range (°)	±160°	-75°~+30°	-80°~+83°	±180°	±95°	±360°					
	最大速度 Max. Speed (#/S)	85°/S	105°/S	105°/S	102°/S	148°/S	210°/S					



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机器人喷涂方案
Six-axis Robot for
Painting Application



机器人注塑机镶嵌取件方案
In Mold Inserting Application



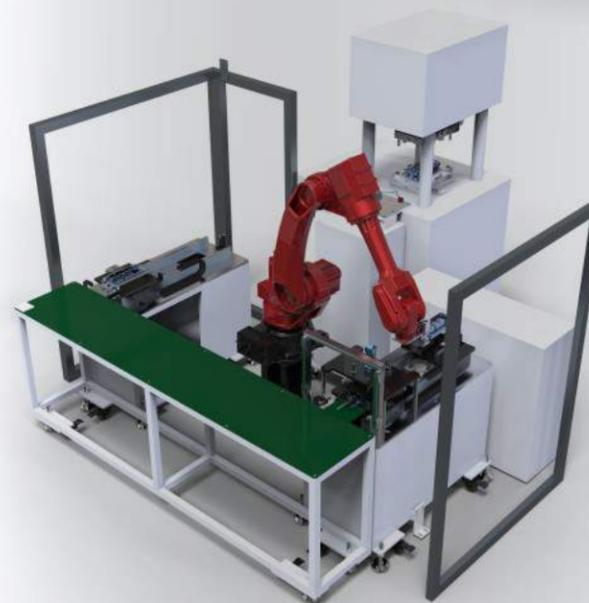
四轴冲压机器人连线应用
Four-axis Stamping Robot for
Full Automatic Production Line



电饭煲装箱码垛自动包装线
Automatic Packing and Stacking Project



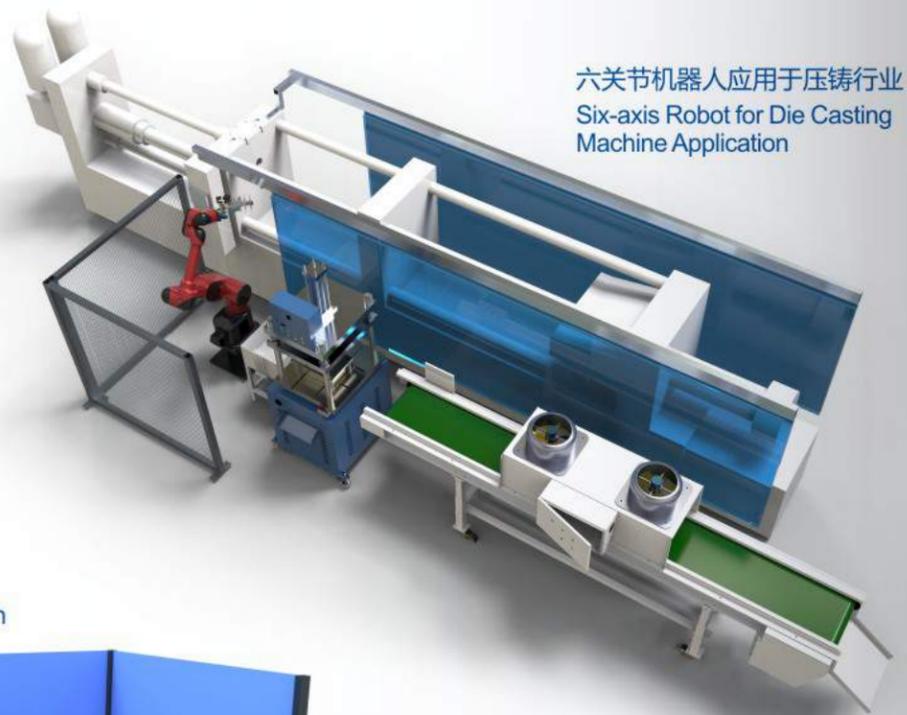
刀叉双色注塑镶嵌整体方案
Plastic Cutlery In Mold Inserting
Application



机器人配合立式注塑机埋入应用方案
Robot In Mold Inserting with Vertical
IMM Application

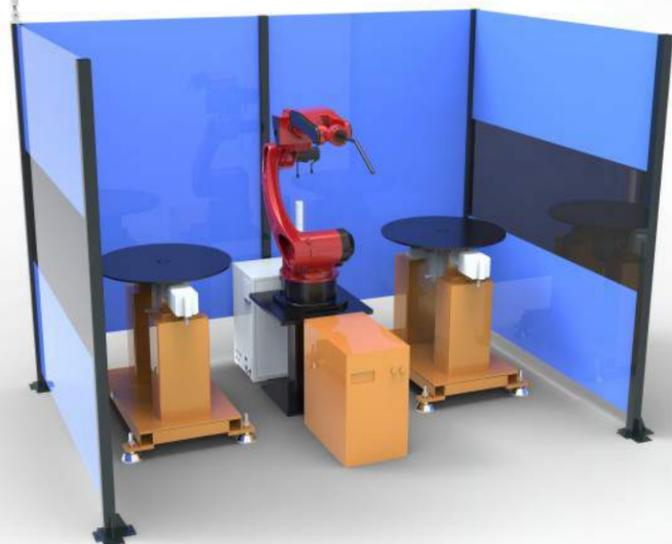


鞋材包装线集成应用
Robot for Full Automatic
Shoes Packing Application



六关节机器人应用于压铸行业
Six-axis Robot for Die Casting
Machine Application

六轴机器人焊接工作站
Six-axis Robot Welding Station

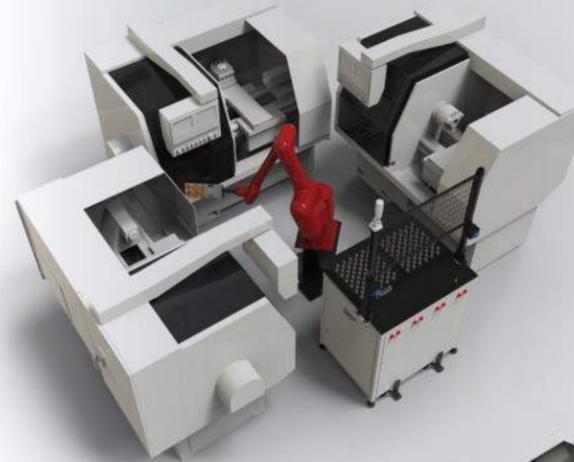


水平机器人玩具厂移印上下料
SCARA Robot Loading and Unloading
for Pad Printed Toy Factory Application



机器人应用于注塑行业
Six-axis Robot for Injection
Molding Machine Application

机器人车床上下料方案
Pick and Place Products for
CNC Machine Application



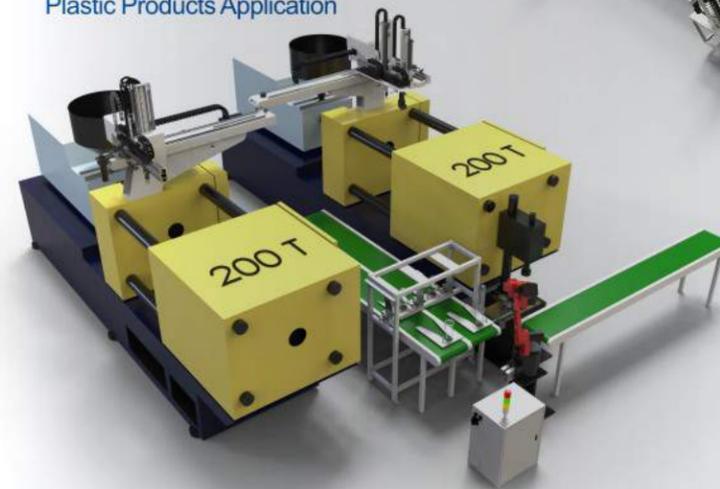
小红人等离子切割引拔臂
Robot for Laser Cutting Application



圆盖车床上下料应用
Six-axis Robot for CNC
Machinery Application



超声焊塑料件上下料集成应用
Pick and Place Ultrasonic Welded
Plastic Products Application



陶瓷行业应用-碗的上釉、移印
Robot Pick and Place Ceramics Application

BRTYZGT Series

两轴伺服给汤机 Two Axis Servo Rod Ladler

产品特点 Product Features

- 采用全新的控制方式系统，搭配轻巧移动式手持示教器，便于检修及使用。
- 手持式示教器画面清晰，参数及功能的设定一目了然，并配有异常报警自诊断功能，使后期操作及维护都极为简便快捷。
- 多元化的功能选项及多方位的操作方式提高该机型的使用性能及通用性能。
- 整体结构采用伺服马达加蜗轮一体箱驱动、采用连杆式手臂，运行平稳精准高效、即使高速运动也能平稳刹车、铝液不溢出。

- Using new control system with light mobile hand-held controller, easy for maintenance.
- Self-diagnostic function, which make operation and maintenance extremely simple.
- A wide range of functional options and multi-directional operation mode to improve the performance and general performance
- Worm gear, connecting rod drive, make it working more smoothly and stably. Automatic control the accurate feeding volume by panel.



主要规格 Main Specification

项目Project	BRTYZ0G02S2B	BRTYZ0G04S2B
适应压铸机 Recommended die casting machine	160T-400T	500T-800T
手臂驱动马达 Manipulator Motor Drive	0.75KW	0.75KW
汤勺驱动马达 Tablespoon Motor Drive	0.4KW	0.75KW
最大给汤量 Max. Loading	4.5KG	12KG
可配汤勺规格 Recommended tablespoon type	0.8KG-4.5KG	2.5KG-12KG
可取汤深度 Tablespoon max.	350mm	450mm
熔炉可配高度 Recommended height for smelter	≤ 1100mm	≤ 1100mm
熔炉臂可配厚度 Recommended thickness of smelter arm	≤ 450mm	≤ 500mm
运行周期 Cycle Time	4S(手臂待机位开始下降到注入完铝液)	6S(手臂开始前进入到注入完铝液)
主控电源 Main control power	AC 3相380V/50HZ/AC three phase 380V/50HZ	
电源容量 Power Capacity	1.15KVA	
整机尺寸 Dimensions	长*宽*高 (1140*680*1150mm) length*width*height(1140*680*1150mm)	

BRTYZ Series

四轴伺服压铸机械手 Four Axis Servo Casting Robot



主要规格 Main Specification

项目Project	手臂驱动马达 Manipulator Motor Drive	手臂驱动 Manipulator drive	汤勺驱动马达 Tablespoon Motor Drive	最大给汤量 Max. Loading	可配汤勺规格 Recommended tablespoon type	可取汤深度 Tablespoon max.	熔炉可配高度 Recommended height for smelter	熔炉臂可配厚度 Recommended thickness of smelter arm	运行周期 Cycle Time	主控电源 Main control power	电源容量 Power Capacity	整机尺寸(长*宽*高) Overall dimensions (L*W*H)
BRTYZ 0G02S2B	160T-400T	0.75KW	0.4KW	4.5KG	0.8KG-4.5KG	350mm	< 1100mm	≤ 450mm	4S(手臂待机位开始下降到注入完铝液)	AC 3相380V/50HZ AC three phase 380V/50HZ	1.15KVA	1140mm*680mm*1150mm

项目Project	通用压铸机 (ton) recommended die casting machine	夹取直径 Clip diameter	最大夹取工件重量 Max. loading	运行周期 Cycle Time	压缩空气(压力) Compressed air (pressure)	主控电源 Main control power	手臂驱动马达 Manipulator Motor Drive	取件行程 Products taking stroke	横移行程 Traverse stroke	整机尺寸(长*宽*高) Overall dimensions (L*W*H)
BRTYZ QJ02S1B	160T-400T	40mm-80mm	8KG	4S(手臂开始进入压铸机到检测得到信号)	5-6.5kg/cm ²	AC 3相380V/50HZ AC three phase 380V/50HZ	0.75KVA	1000mm	280mm	1720mm*1150mm*1700mm

项目Project	通用压铸机 (ton) recommended die casting machine	配置喷嘴(宜模) Brass pipe(fixed mold)	配置喷嘴(动模) Brass pipe (movable mold)	吹气喷嘴(固定式) Blow brass (fixed movable)	雾化系统配置 Atomization system configuration	运行周期 Cycle Time	压缩空气(压力) Compressed air (pressure)	高型剂(压力) Mold release agent(pressure)	总抽气接口 (Compressed air connector)	高型剂接口 (Mold release agent connector)	主控电源 Main control power	电源容量 Power capacity	手臂上下行程 Vertical stroke	横移行程 Traverse stroke	整机尺寸(长*宽*高) Overall dimensions (L*W*H)
BRTYZ PK02S1B	160T-400T	13PCS(可扩展) 13PCS (extendable)	13PCS(可扩展) 13PCS (extendable)	长: 350mm(12颗) 短: 300mm(12颗)	双伺服控制 雾化+铝液雾化 Two atomization controlled system and front and back synchronous independent blowing air system	320MM	5-6.5 kgf/cm ²	大于或等于 压缩空气压力 > Compressed air pressure	PT1*	PT1/2	AC 3相380V/50HZ AC three phase 380V/50HZ	1KVA	710mm	230mm	900mm*630mm*1380mm



BRTYZRQ Series

单轴热室取件喷雾机 One Axis Servo Extractor and Sprayer Robot for Hot Chamber

产品特点 Product Features

- 主臂直进直出式设计，采用伺服行星减速机控制，全新钢丝绳传动，超静音且无卡死结构，快速平稳。自动润滑装置，润滑磨合更稳定。
- 代替人工将压铸成品从模腔中取出，与压铸机完成自动生产。
- 可将成品送至传送带或与水口机、送料机联线形成全自动生产。
- 降低劳动强度，提高生产效率，可提高单日成品产量约20-30%。
- 提高产品质量，降低生产成本。
- With single stage arm type, driven by the AC servo motor and gear box, running by the steel belt, with self-lubrication device, low voice and better running performance.
- Instead of manpower, equip with the die casting machinery to make the automation production.
- Loading the products into the belt conveyor, or working with the runner cutting machinery, can be make in-line production.
- Save the manpower, increase the production rate to be 20-30 %.
- Improve the products quality, and reduce the production costs.

主要规格 Main Specification

项目 Project	适用压铸机 (ton) recommended die casting machine	夹取直径 Clip diameter	最大夹取工件重量 Max. loading	横行行程 Traverse Stroke	压缩空气 (压力) Compressed air (pressure)	主控电源 Main control power	电源容量 Power capacity	取件行程 Products taking stroke	整机尺寸(长*宽*高) Overall dimensions(L*W*H)
BRTYZRQ01S1A	88T-160T	10mm-30mm	2KG	180mm	5-6.5kgf/cm ²	AC 3相380V/50HZ AC three phase 380V/50HZ	1KVA	850mm	1420*800*1400mm



BRTYZQP Series

四轴伺服取件喷雾机 Four Axis Servo Extractor and Sprayer Robot

产品特点 Product Features

- 本公司的全新四轴设计，可以完成多自由度的取件，镶件，喷雾的任务，专门针对压铸恶劣环境设计。
- 取件夹爪，取件夹爪由两个伺服马达控制不受空间条件限制，可以自由的控制角度360度，可以取出和镶进不同的产品，标配机型可适用多个不同尺寸产品的抓取。
- 喷雾由独立的喷嘴控制，可以实现多段，定点，前后独立喷雾。
- 全伺服动作控制，承载能力强，高速运转，适合中大型压铸机使用，标准规格的机械手移动速度最快可达每秒2.5米。位置公差为正负0.05毫米大型机器人移动速度最快可达1.5米，位置公差为±0.15毫米，从而把时间降到最少，产量增加。
- The new design of our company four-axis robot can perform multiple degrees of freedom, inserts, spray task, specially designed for the die casting in harsh environments.
- Pickup gripper is controlled by two servo motors without being limited by the space, it can freely control the angle of 360 degrees, and can be removed and inserted into different products, the standard model can be used to grab a number of different size products.
- Spraying controlled by the independent nozzles, it can achieve multi-segment, fix point, before and after independence spray.
- Full servo motor control minimizes the time and increases productivity which has good load capacity, high-speed operation, suitable for the high tonnage die-casting machine. The standard robot moves the fastest speed up to 2.5 M/S. Position tolerance is ± 0.05 mm. Large-scale type robot moves the fastest speed up to 1.5 M/S. The position tolerance is ± 0.15 mm.



主要规格 Main Specification

项目 Project	适用压铸机 (ton) recommended die casting machine	引拔行程 (mm) Crosswise stroke	取件臂上下行程 (mm) Vertical stroke of main arm	喷雾上下行程 (mm) Vertical stroke for spraying arm	横行行程 (mm) Traverse stroke	喷雾数量 (Pic.)	取件最大重量 (KG) Max. loading	取出时间 (msec) Dry take out time	精确度 (mm) Repeat accuracy
BRTYZQP04S4B	500T-800T	1000	1400	1960	2100	42	20	2.5	±0.05

B RTP Series

斜臂式机械手 Swing-arm Robot

产品特点 Product Features

B RTP系列适用于30T-300T的各型卧式射出成型机的成品及水口取出。上下手臂有单载式B RTP06ISS0PC,采用气压或者伺服驱动。上下、引拔、旋出、旋入均采用气压驱动，速度快、高效率、经济实惠型机械手臂。安装机械手可增加产能（10-30%）、降低产品的不良率、保障操作人员的安全性、减少人工、精准控制生产量、减少浪费。

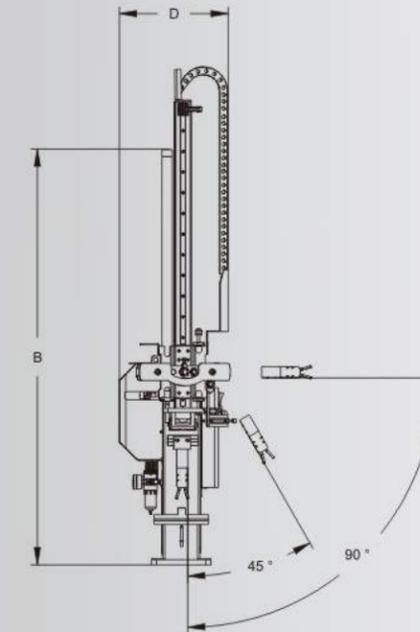
B RTP series Swing-arm robot is applicable to all types of horizontal injection machine of 30T-300T for take-out products and sprues. It has ranges of model B RTP06ISS0PC and B RTW06ISS0P0, with two types of arms, single stage and telescopic type. The single function is to clamp products, and the full function is to take-out products and sprues. Swing arm robot with one axis servo ranges of model B RTP06ISS0PC, B RTP07ISS1P0, B RTW06ISS0P0. After installed this robot, the productivity will be increased 10-30%, reduce defective rate, ensure safety of operators, reduce manpower and accurately control the output to reduce waste.



主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended M.M	上下行程 (mm) Vertical Stroke	引拔行程 (mm) Crosswise Stroke	放出角度 (度) Swing Angle (degree)	取出时间 (sec) Dry Take Out Time	最大荷重 (KG) Max. Loading	全循环时间 (sec) Dry Cycle Time	空气消耗量 (M/cycle) Air Consumption	净重 (KG) Net Weight
B RTP06ISS0PC	0.1	30T-150T	650	120	30-90	1.3	2	5.5	3	36

机型表示: I: 单载式 S: 单臂机械手(成品臂) S0: 气缸驱动 Denote: I: Single stage S: Product arm S0: Driven by cylinder



Model	A	B	C	D	E	F	G	H	I	J	K
B RTP06ISS0PC	1330	1210	530	310	840	/	210	/	50	/	440

因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。
Without further notice if specification and exterior have been changed because of improvement.Thanks for your understanding.

BRTB Series

伺服横走式机械手
Economic AC Servo Traversing Robot

产品特点 Product Features

BRTB06/07系列适用于30T-200T的各型卧式射出成型机的成品及水口取出。上下手臂结构是单载式，分单臂和双臂，各轴可选用电动调位，适合二/三板模取出。横行AC伺服马达驱动，定位精确、速度快、寿命长、故障低。安装机械手可增加产能（10-30%）、降低产品的不良率、保障操作人员的安全性、减少人工、精准的控制生产量、减少浪费、保证纳期。

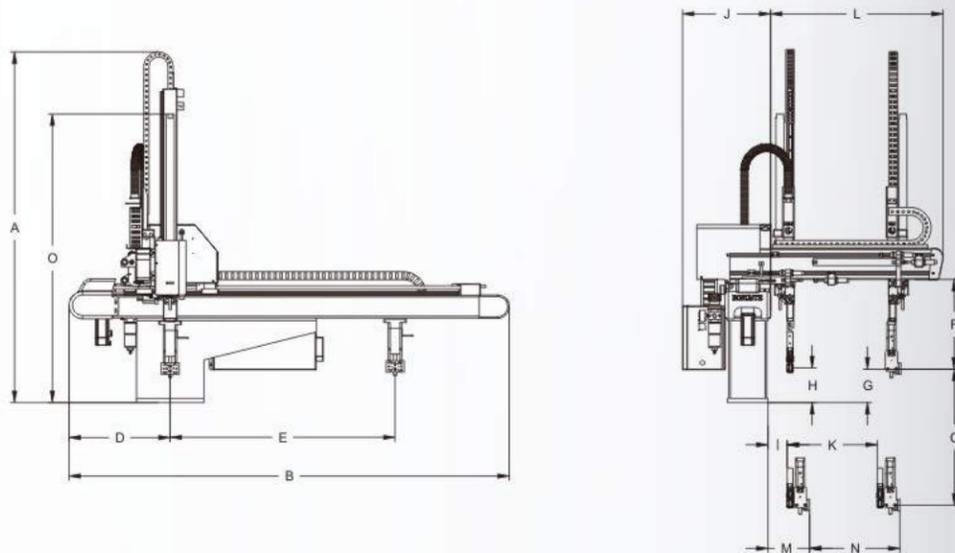
BRTB06/07 Series is applicable to all types of horizontal injection machine ranges of 30T-200T for take-out products and sprues. Vertical arm is single type, with product arm and runner arm two types, suitable for two plate or three plate mold products take out. Traverse axis driven by AC servo motor. After installed this robot, the productivity will be increased 10-30%, reduce defective rate, ensure safety of operators, reduce manpower and accurately control the output to reduce waste.



主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended.M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max. Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (N/cycle) Air Consumption	净重 (KG) Net Weight
BRTB06 IDS1P0	0.6	30T-120T	1000	AC 伺服马达 AC Servo motor	P:300 R:125	600	3	1.67	7.35	4	176
BRTB07 IDS1P0		100T-200T	1200		700	1.85		8.39	5.5	195	

机型表示：I：单载式 D：双臂机械手(成品臂+料头臂) S1：横行AC伺服马达驱动
Denote: I: Single stage D: Product arm + runner arm S1: AC Servo driven on traverse axis.



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BRTB06IDS1P0	1540	1980	600	450	1000	390	130	170	90	370	460	778	200	465	1270
BRTB07IDS1P0	1610	2160	700		1200										

BRTA Series

伺服横走式机械手
Economic AC Servo Traversing Robot

产品特点 Product Features

BRTA07/09系列适用于80T-320T的各型卧式射出成型机的成品及水口取出。上下手臂结构是双载式，分单臂和双臂，适合二/三板模具产品取出。横行AC伺服马达驱动，定位精准，速度快，寿命长，故障低。安装机械手可增加产能(10-30%)、降低产品的不良率、保障操作人员的安全性、减少人工、精准控制生产量、减少浪费、保证交期。

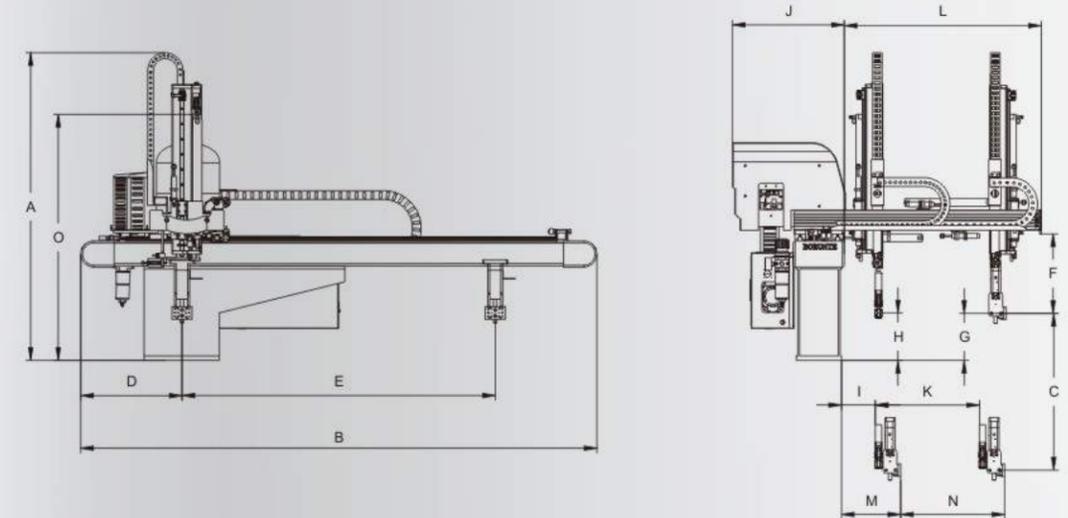
BRTA07/09 Series traversing robot arm is applicable to all types of horizontal injection machine ranges of 80T-320T for take-out products and sprues. Vertical arm is telescopic type, with product arm and runner arm, for two plate or three plate mold products take out. Traverse axis driven by AC servo motor. After installed this robot, the productivity will be increased 10-30%, reduce defective rate, ensure safety of operators, reduce manpower and accurately control the output to reduce waste.



主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended.M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max. Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (N/cycle) Air Consumption	净重 (KG) Net Weight
BRTA07 WDS1P0	0.6	80T-200T	1250	AC 伺服马达 AC Servo motor	P:300 R:125	700	3	1.81	8.53	3.5	165
BRTA09 WDS1P0		200T-320T			900	1.90		9.8	4.2	205	

机型表示：W：双载式 D：双臂机械手(成品臂+料头臂) S1：横行AC伺服马达驱动
Denote: W: Telescopic type D: Product arm + runner arm S1: AC Servo driven on traverse axis.



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BRTA07WDS1P0	1240	2060	700	405	1250	315	180	220	125	450	470	786	215	475	980
BRTA09WDS1P0	1360		900								590	907		595	1080

BRTG Series

三轴伺服横走式机械手
High Speed Three-axis
AC Servo Traversing Robot

产品特点 Product Features

BRTG08/10WSS3 BRTG12WSS3 PC/FC系列适用于120T-500T的各型卧式射出成型机的成品及水口取出。上下手臂型式是双截式，单臂适合二板模取出。横行和正臂上下均由AC伺服马达驱动，取出速度快、定位精准、调治具方便快速。安装机械手可增加产能(10-30%)、降低产品的不良率、保障操作人员的安全性、减少人工、精准的控制生产量、减少浪费。

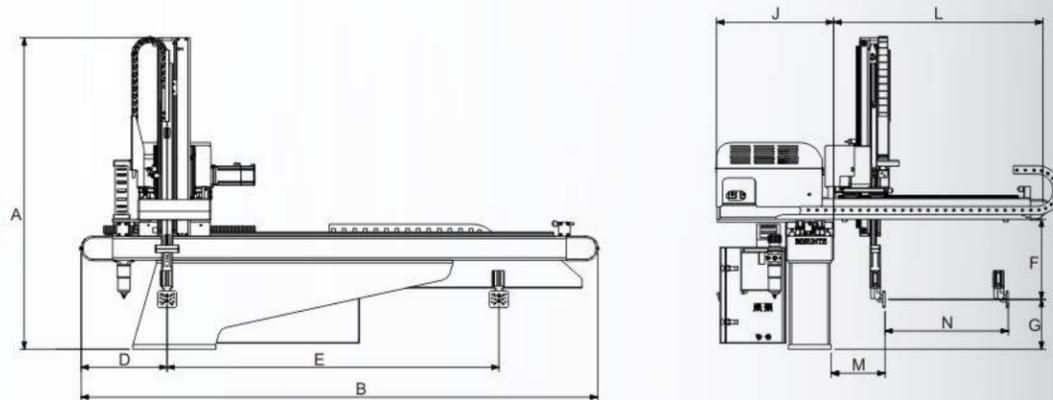
BRTG08/10WSS3/S5 BRTG12WSS3 PC/FC Series is applicable to all types of horizontal injection machine ranges of 120T~500T for take-out products and sprues. Vertical arm is telescopic type, suitable for two plate mold products take out. Traverse axis and vertical axis driven by AC servo motor. After installed this robot, the productivity will be increased 10~30%, reduce defective rate, ensure safety of operators, reduce manpower and accurately control the output to reduce waste.



主要规格 Main Specification

机型 Model	电源容量 Power Source (KVA)	适用成型机 Recommended.M.M (ton)	横行行程 Traverse Stroke (mm)	驱动方式 Traverse Driven	引拔行程 Crosswise Stroke (mm)	上下行程 Vertical Stroke (mm)	最大荷载 Max. Loading (kg)	取出时间 Dry Take Out Time (sec)	全循环时间 Dry Cycle Time (sec)	空气消耗量 Air Consumption (Nl/cycle)	净重 Net Weight (KG)
BRTG 08WSS3PC	4.3	120T-250T	1400	AC 伺服马达 AC Servo motor	400	800	2	0.75	3.7	2.8	250
BRTG 10WSS3PC		250T-380T	1600		550	1000		0.9	4.4	3.5	300
BRTG 12WSS3PC	4.7	350T-500T	1800		800	1200		1.04	4.8	6.8	550
BRTG 12WSS5PC	5.1	350T-500T	1800		P750:R750	1200		1.08	4.85	7.2	580

机型表示: W: 双截式 S: 单臂机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下、引拔+横行) S5: 五轴AC伺服马达驱动(成品臂上下、引拔+横行)
Denote: W: Telescopic type. S: Product arm. S3: Three-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis + Crosswise-axis)
S5: Five-axis driven by AC Servo Motor. (Traverse-axis, Vertical-axis + Crosswise-axis)



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BRTG08WSS3PC	1350	2180	800	365	1400	434	105	/	/	455	/	850	335	420
BRTG10WSS3PC	1470	2420	1000		1600	335		/	/		970	520		
BRTG12WSS3PC	1780	2480	1200	325	1800	400	190	/	/	/	/	1120	250	800
BRTG12WSS5PC				335				190	130	515	750	1480		380

BRTR Series

五轴横走式机械手
Five-axis AC Servo Traversing
Robot-Single Stage

产品特点 Product Features

BRTR系列机械手臂适用30T-100T的各型卧式射出成型机，手臂形式是单截式，分3轴及5轴AC伺服驱动。取出时间1sec，全循环6sec应用于快速取出或是模内贴、模内镶件等特殊产品应用。

华成三/五轴专用CANOPEN总线通讯方式：信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率低。

BRTR Series is applicable to all types of horizontal injection machine ranges of 30T~100T for take-out products and sprues. Vertical arm is single stage. With types of three-axis and five-axis driven by AC servo motor. Products take-out at super high-speed (1sec.) and dry cycle time within 6seconds. applicable to take-out products with short forming cycle or complex automatic. Also with the function of mold labeling and mold inserting.

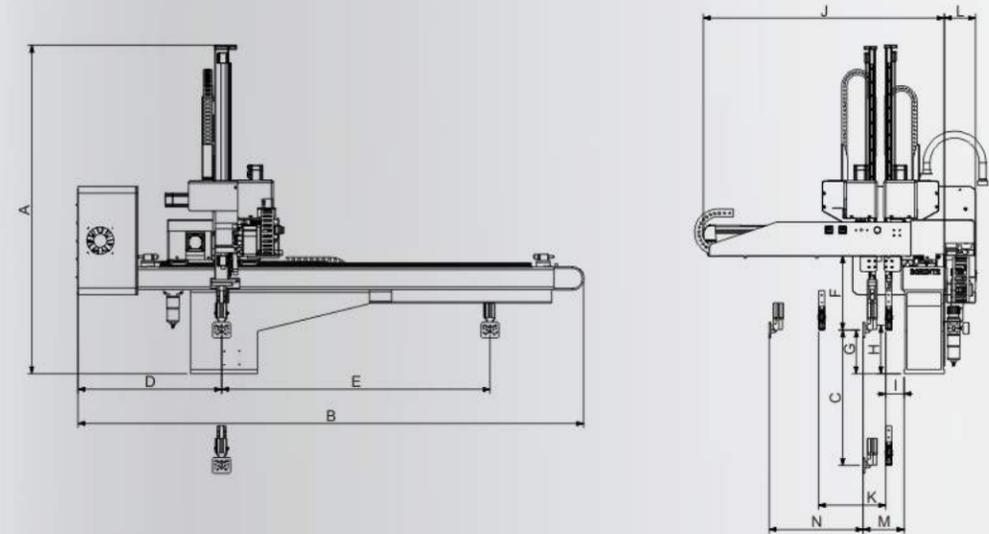
HC three-axis/five axis CANOPEN connecting way: Less connecting line, long distance communication, good expansibility, strong anti-interference ability, high repeat precision, can simultaneously control multi axis, simple equipment maintenance, low failure rate.



主要规格 Main Specification

机型 Model	电源容量 Power Source (KVA)	适用成型机 Recommended.M.M (ton)	横行行程 Traverse Stroke (mm)	驱动方式 Traverse Driven	引拔行程 Crosswise Stroke (mm)	上下行程 Vertical Stroke (mm)	最大荷载 Max. Loading (kg)	取出时间 Dry Take Out Time (sec)	全循环时间 Dry Cycle Time (sec)	空气消耗量 Air Consumption (Nl/cycle)	净重 Net Weight (KG)
BRTR06 IDS5PC/FC	2.5	30T-100T	1180	AC 伺服马达 AC Servo motor	P:450 R:300	600	3	1.0	5.5	3.5	200

机型表示: I: 单截式 D: 双臂机械手(成品臂+料头臂) S5: 五轴AC伺服马达驱动(成品臂/料头臂上下、引拔+横行)
Denote: I: Single stage. D: Product arm + runner arm. S5: Five-axis driven by AC Servo Motor.



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BRTR06IDS5PC/FC	1465	2260	600	640	1200	325	190	215	80	900	300	320	185	450

BRTR Series

五轴横走式机械手
Five-axis AC Servo
Traversing Robot-Single Stage

产品特点 Product Features

BRTR系列机械手臂适用100T-250T的各型卧式射出成型机，手臂形式是单载式，分3轴及5轴AC伺服驱动。取出时间1sec，全循环6sec应用于快速取出或是模内贴、模内镶件等特殊产品应用。

华成三/五轴专用CANOPEN总线通讯方式：

信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率少。

BRTR Series is applicable to all types of horizontal injection machine ranges of 100T-250T for take-out products and sprues. Vertical arm is single stage. With types of three-axis and five-axis driven by AC servo motor. Products take-out at super high-speed (1sec.) and dry cycle time within 6seconds, applicable to take-out products with short forming cycle or complex automatic. Also with the function of mold labeling and mold inserting.

HC three-axis/five axis CANOPEN connecting way:

Less connecting line, long distance communication, good expansibility, strong anti-interference ability, high repeat precision, can simultaneously control multi axis, simple equipment maintenance, low failure rate.

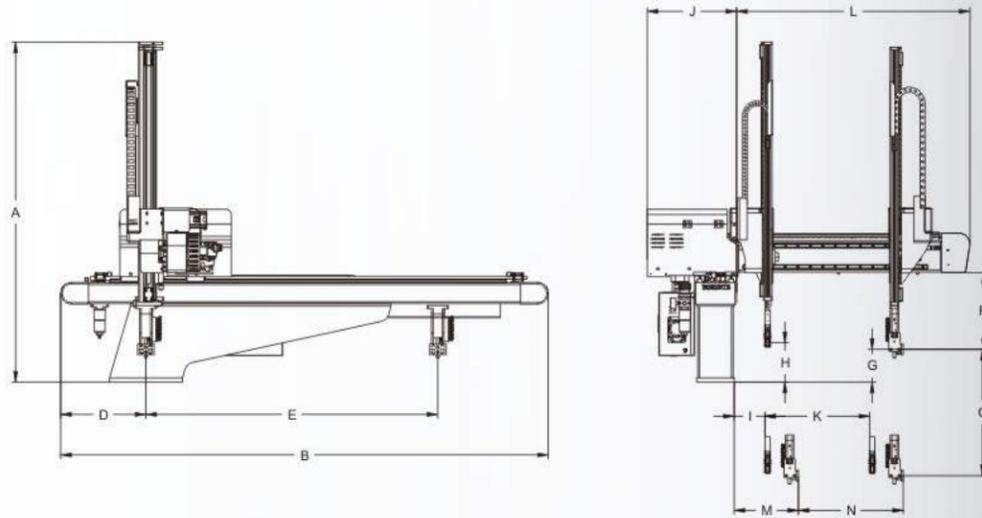


对象注塑机
Recommended M.M
100T-250T

主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max. Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (lit/cycle) Air Consumption	净重 (KG) Net Weight
BRTR08 ISS3PC/FC	2.0	100T-250T	1400	AC 伺服马达 AC Servo motor	690	800	5	2.18	6.78	3.5	200
BRTR08 IDS5PC/FC	3.2				P:500 R:400						240

机型表示: I: 单载式 D: 双臂机械手(成品臂+料头臂) S: 单臂机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下、引拔+横行) S5: 五轴AC伺服马达驱动(成品臂/料头臂上下、引拔+横行)
Denote: I: Single stage. D: Product arm + runner arm. S: Product arm. S3: Three-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+ Crosswise-axis) S5: Five-axis driven by AC Servo Motor.



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BRTR08ISS3PC	1685	2340	800	370	1400	340	185	—	—	460	—	1015	140	690
BRTR08IDS5PC								210	170		400		310	500

BRTR Series

三轴/五轴伺服横走式机械手
Three-axis / Five-axis AC Servo
Traversing Robot-Telescopic Type

产品特点 Product Features

BRTR系列机械手臂适用120T-1200T的各型卧式射出成型机，手臂形式是双载式，分3轴及5轴AC伺服驱动。取出时间最少1.2sec，全循环最少5.5sec应用于快速取出或是模内贴、模内镶件等特殊产品应用。

华成三/五轴专用CANOPEN总线通讯方式：

信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率少。

BRTR Series is applicable to all types of horizontal injection machine ranges of 120T-1200T for take-out products and sprues. Vertical arm is telescopic stage. Full AC servo motor driven on each axis, Products take-out at super high-speed at most 1.2sec. and dry cycle time at most 5.5seconds, applicable to take-out products with short forming cycle or complex automatic. Also with the function of mold labeling and mold inserting.

HC three-axis/five axis CANOPEN connecting way:

Less connecting line, long distance communication, good expansibility, strong anti-interference ability, high repeat precision, can simultaneously control multi axis, simple equipment maintenance, low failure rate.

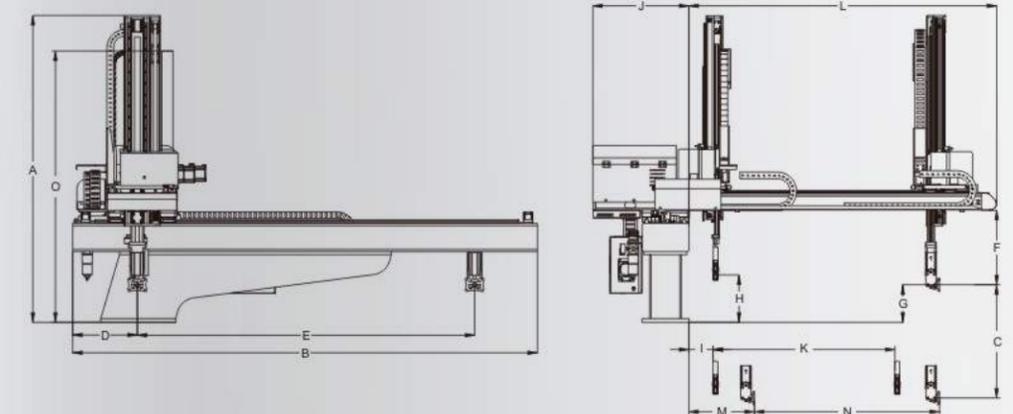


对象注塑机
Recommended M.M
120T-1200T

主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max. Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (lit/cycle) Air Consumption	净重 (KG) Net Weight
BRTR08 WDS5/WSS3P0	3.9/2.4	120T-220T	1400	AC 伺服马达 AC Servo motor	P:480 R:480	800	8	2.67	6.85	4	300/260
BRTR10 WDS5/WSS3PC		220T-400T	1600		P:550 R:550	1000	8	2.83	9.55	6	360/310
BRTR12 WDS5/WSS3PC	5/3.1	400T-600T	1800	AC 伺服马达 AC Servo motor	P:820 R:820	1200	10	3.1	11.75	6.8	530/470
BRTR15 WDS5/WSS3PC		600T-800T	2200		P:1000 R:800	1500	15	2.3	15	15	730/650
BRTR18 WDS5/WSS3PC	5.1/3.1	800T-1200T	2500	AC 伺服马达 AC Servo motor	P:1000 R:800	1800	20	2.8	20	20	910/800

机型表示: W: 双载式 D: 双臂机械手(成品臂+料头臂) S: 单臂机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下、引拔+横行) S5: 五轴AC伺服马达驱动(成品臂/料头臂上下、引拔+横行)
Denote: W: Telescopic type. D: Product arm + runner arm. S: Product arm. S3: Three-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+ Crosswise-axis) S5: Five-axis driven by AC Servo Motor.



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BRTR08WDS5P0	1350	2116	800	385	1400	380	165	210	160	505	480	1096	330	480	—
BRTR08WSS3P0											550		130	690	—
BRTR10WDS5PC	1510	2510	1000	440	1600	400	155	190	142	495	520	1205	355	550	—
BRTR10WSS3PC								240	135		820		130	750	—
BRTR12WDS5PC	1660	2480	1200	380	1800	400	170	230	125	512	700	1642	350	820	—
BRTR12WSS3PC								—	—		110		940	—	
BRTR15WDS5PC	2000	2980	1500	370	2200	500	290	380/50	200	543	800	1845	450	1000	1590
BRTR15WSS3PC								—	—		200		200	1250	
BRTR18WDS5PC	2100	3810	1800	950	2500	580	200	260/50	200	530	800	1840	500	1000	1600
BRTR18WSS3PC								—	—		—		—	260	

BRTM Series

三轴伺服横走式机械手
Three-axis AC Servo
Hardware Insert Robot-Single Stage

产品特点 Product Features

BRTM系列机械手臂适用于150T-380T的各型卧式射出成型机，手臂形式是双截式，分3轴及5轴AC伺服驱动。取出时间1.2sec，全循环6sec应用于快速取出或是模内贴、模内镶件等特殊产品应用。

华成三/五轴专用CANOPEN总线通讯方式：

信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率少。

BRTM Series is applicable to all types of horizontal injection machine ranges of 150T-380T for take-out products and sprues. Vertical arm is telescopic stage. Full AC servo motor driven on each axis. Products take-out at super high-speed (1.2sec.) and dry cycle time within 6seconds, applicable to take-out products with short forming cycle or complex automatic. Also with the function of mold labeling and mold inserting.

HC three-axis/five axis CANOPEN connecting way:

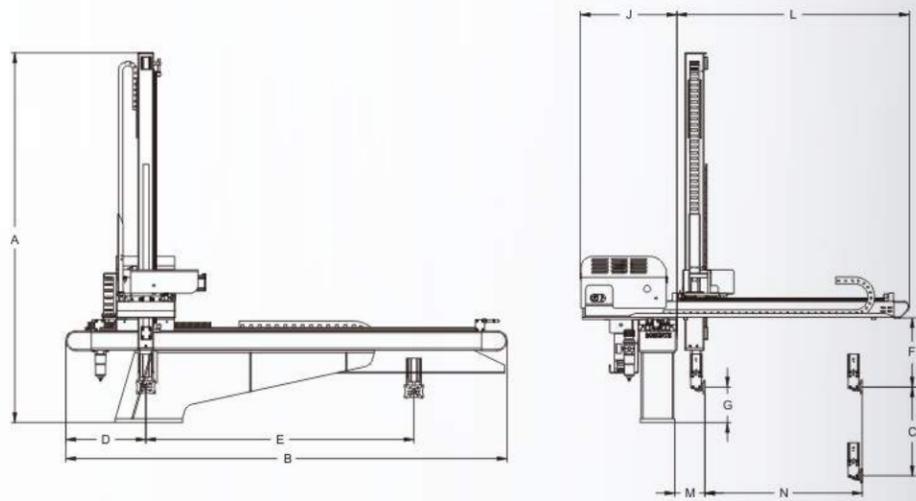
Less connecting line, long distance communication, good expansibility, strong anti-interference ability, high repeat precision, can simultaneously control multi axis, simple equipment maintenance, low failure rate.



主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max.Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (Nl/cycle) Air Consumption	净重 (KG) Net Weight
BRTM08 ISS3PC	2.4	150T-250T	1600	AC 伺服马达 AC Servo motor	760	800	8	1.2	6	6.0	340
BRTM10 ISS3PC	2.4	250T-380T				1000	8	1.5	6.5	8.0	390

机型表示: I: 单截式 M: 埋入 S: 单臂机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下、引拔+横行)
Denote: I: Single stage. M: Insert S: Product arm. S3: Three-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis + Crosswise-axis)



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BRTM08ISS3PC	1810	2520	800	400	1600	350	190	/	/	500	/	1210	200	760
BRTM10ISS3PC	2050		1000											

BRTN Series

五轴伺服横走式机械手
Five-axis AC Servo Travers Robot

产品特点 Product Features

BRTN系列机械手臂用于220T-600T的各型卧式射出成型机，三轴AC伺服驱动。取出速度快、调整夹具方便，寿命长、故障率低。取出时间最少1.8sec，最大荷重10公斤(含成品与治具)。主要应用于快速取出或是复杂的取出应用，特别是长形状的产品如汽车产品，洗衣机家电产品等。

华成三/五轴专用CANOPEN总线通讯方式：

信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率少。

BRTN Series is applicable to all types of horizontal injection machine ranges of 220T-600T for take-out products and sprues. Three-axis driven by AC servo motor, take-out at super high-speed at most 1.8sec. Easy for E-O-A-T adjustment, long using life and low failure rate, applicable to take-out products with short forming cycle or complex automatic, such as auto products, washing machine and household appliance products take-out.

HC three-axis/five axis CANOPEN connecting way:

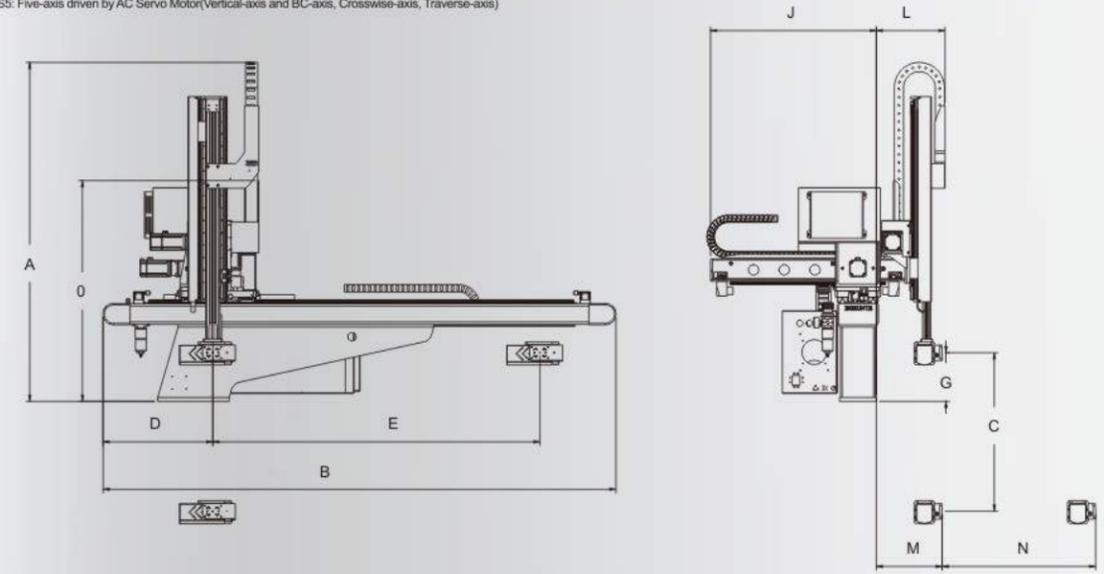
Less connecting line, long distance communication, good expansibility, strong anti-interference ability, high repeat precision, can simultaneously control multi axis, simple equipment maintenance, low failure rate.



主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max.Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (Nl/cycle) Air Consumption	净重 (KG) Net Weight
BRTN10 WSS4PC	3.1	220T-350T	1600	AC 伺服马达 AC Servo motor	660	1000	10	5.1	15.92	6	450
BRTN12 WSS4PC	3.1	350T-500T	1800		900	1200	10	5.3	16.32	6.8	510
BRTN12 WSS5PC	3.5	380T-600T	1800		900	1200	10	1.8	9	6.8	560

机型表示: W: 双截式 S: 单臂机械手(成品臂) S4: 四轴AC伺服马达驱动(成品臂上下、引拔、横行+C轴) 选型: S5: 五轴AC伺服马达驱动(成品臂上下+BC轴、引拔、横行)
Denote: W: Telescopic type. S: Product arm. S4: Four-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis, Crosswise-axis +C-axis).
S5: Five-axis driven by AC Servo Motor (Vertical-axis and BC-axis, Crosswise-axis, Traverse-axis)



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BRTN10WSS4PC	1520	2510	1000	540	1600	/	235	/	/	820	/	340	320	660	/
BRTN12WSS4PC	1650	2700	1200	540	1800	/	235	/	/	1010	/	310	290	900	1270
BRTN12WSS5PC	1600	2580	1200	335	1800	/	125	/	/	1330	/	485	420	900	/

BRTN Series

三轴/五轴伺服横走式机械手
Three-axis / Five-axis AC Servo
Traversing Robot-Telescopic Type

产品特点 Product Features

BRTN系列机械手臂用于650T-3200T的各型卧射成型机，三轴AC伺服驱动。取出速度快、调整夹具方便，寿命长、故障率低。取出时间最少2.5sec，最大荷重50公斤（含成品与治具）。主要应用于快速取出或是复杂的取出应用，特别是长形状的产品如汽车产品，洗衣机家电产品等。

华成三/五轴专用CANOPEN总线通讯方式：

信号线少，远距离通讯，扩展性能好，抗干扰能力强，重复定位精度高，可以同时控制多轴，设备维护简单，故障率低。

BRTN Series is applicable to all types of horizontal injection machine ranges of 650T-3200T for take-out products and sprues. Three-axis driven by AC servo motor, take-out at super high-speed at most 2.5sec. Easy for E-O-A-T adjustment, long using life and low failure rate, applicable to take-out products with short forming cycle or complex automatic, such as auto products, washing machine and household appliance products take-out.

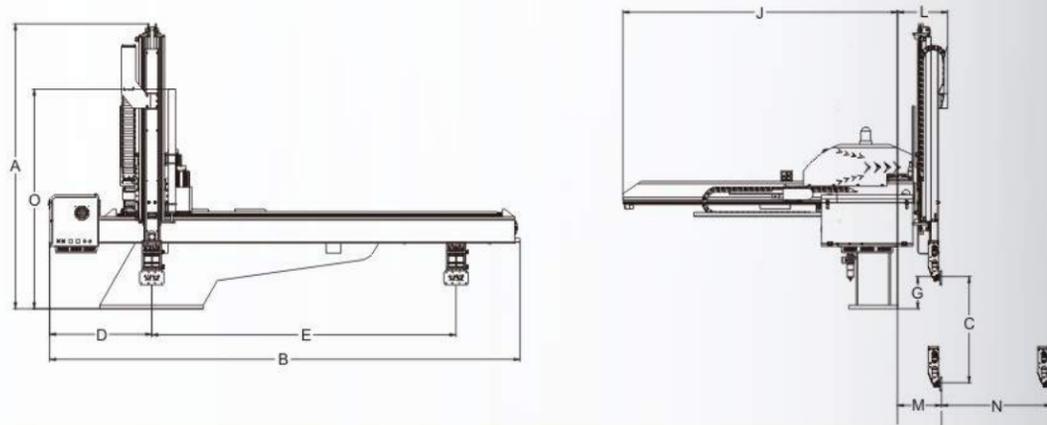
HC three-axis/five axis CANOPEN connecting way:

Less connecting line, long distance communication, good expansibility, strong anti-interference ability, high repeat precision, can simultaneously control multi axis, simple equipment maintenance, low failure rate.

主要规格 Main Specification

机型 Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max. Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (N/cycle) Air Consumption	净重 (KG) Net Weight
BRTN15 WSS3/S5PC	3.2/4.2	650T-800T	2200	AC 伺服马达 AC Servo motor	1070	1500	15	5.1	15.92	10	805
BRTN18 WSS3/S5PC	4.3/5.4	800T-1300T	2500		1520	1800	20	5.3	16.32	18	1430
BRTN22 WSS3/S5PC	4.3/6.2	1300T-1800T	3000		1800	2200	30	6.0	17.89	25	1600
BRTN26 WSS3/S5PC	5.5/7.4	1800T-2400T	3500		2200	2600	40	8.0	29.23	34	2200
BRTN30 WSS3/S5PC	5.5/7.4	2400T-3200T	4000		2500	3000	50	10.0	39.84	47	2450

机型表示: W: 双截式 S: 单臂机械手(成品臂) S3: 三轴AC伺服马达驱动(成品臂上下、引拔+横行) 选型: S5: 五轴AC伺服马达驱动(成品臂上下+AC轴、引拔、横行)
Denote: W: Telescopic type. S: Product arm. S3: Three-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+ Crosswise-axis). S5: Five-axis driven by AC Servo Motor(Vertical-axis and AC-axis, Crosswise-axis, Traverse-axis)



Model	A	B	C	D	E	F	G	H	J	I	K	L	M	N	O
BRTN15WSS3/S5PC	1910	3400	1500	580	2200	/	180	/	1640	/	/	465	450	1070	/
BRTN18WSS3/S5PC	2330	3585	1800		2500	/	105	/	2258	/	/	415	362	1520	1640
BRTN22WSS3/S5PC	2530	4125	2200		3000	/	110	/	2416	/	/	515	462	1800	1840
BRTN26WSS3/S5PC	2730	4650	2600		3500	/	80	/	2832	/	/	540	550	2200	2040
BRTN30WSS3/S5PC	2930	5125	3000		4000	/	/	/	3132	/	/	/	/	2500	2240

BRTV Series

五轴纵走式机械手
Five-axis Traverse Beam Robot

产品特点 Product Features

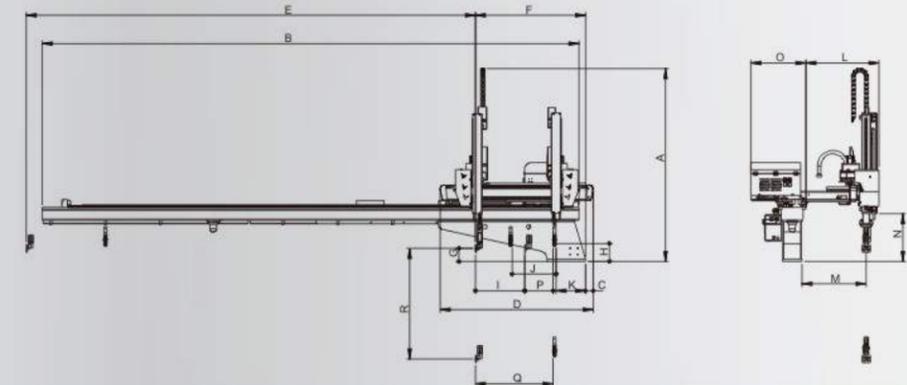
BRTV 系列适用于100T-650T的各型卧式射出机的成品取出，安装方向与传统的横走式不同，是将成品与料头取出放置于射出机尾端，可以节省射出机的安装空间。有单截式及双截式；均可增加副臂用于三片模，同时夹成品与料头。上下行程从800-1000mm。安装可节省射出机安装空间30-40%、更充分的利用厂房；并可增加产能(20-30%)降低产品的不良率、保障操作人员的安全性、减少人工、精准的控制生产量、减少浪费。

BRTV Series Robot is applicable to all types of horizontal injection machine of 100T-650T for take-out products. The installation direction is different from traditional beam robot, products and sprues are placed at the end of IMM. It has single stange and telescopic type; it can be added a sub-arm for 3-plates mold to grip products and sprue at the same time, vertical stroke: 800-1000mm, install BRV robot can save 30-40% room to allow better utilization of production space; Furthermore, the productivity will be increased 20-30%, reduce defective rate, ensure safety of operators, reduce manpower and accurately control the output to reduce waste.

主要规格 Main Specification

Model	电源容量 (KVA) Power Source	适用成型机 (ton) Recommended M.M	横行行程 (mm) Traverse Stroke	驱动方式 Traverse Driven	引拔行程 (mm) Crosswise Stroke	上下行程 (mm) Vertical Stroke	最大荷载 (kg) Max. Loading	取出时间 (sec) Dry Take Out Time	全循环时间 (sec) Dry Cycle Time	空气消耗量 (N/cycle) Air Consumption	净重 (KG) Net Weight
BRTV08IDS5PC	/	100T-250T	横行拱总长 6米以内	AC伺服马达	待定	800	5	1.5	待定	10	570
BRTV10WDS5PC	/	200T-400T				1000	5	2		10	660
BRTV12WDS5PC	/	380T-650T				1200	10	2.68		10	610
BRTV15WSS3PC	/	650T-1000T	横行拱总长 8米以内		920 (参考注塑机: 海天1000T)	1500	15	6.25	22.04	10	/
BRTV18WSS3PC	/	800T-1300T			850 (参考注塑机: 震雄1000T)	1800	15	6.05	19.73	10	/

机型表示: W: 双截式 I: 单截式 D: 双臂机械手(成品臂+料斗臂) S5: 五轴AC伺服马达驱动(成品臂上下、引拔+横行) 待定: 根据注塑机吨位大小来确定参数
Denote: I: Single stage W: Telescopic type D: Product arm + runner arm S5: Five-axis by AC Servo Motor Pending: according to the IMM model to confirm data



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BRTV08IDS5PC	1650	横行拱总长 6米以内	70	1400	3000-5000	1120	140	170	740	700	215	660	待定	370	500	170	910	800
BRTV10WDS5PC	1700			1400		1000	120	160	540	500	270	670		430	500		710	1000
BRTV12WDS5PC	1900			1520		1130	100	150	650	600	280	700		480	515		820	1200
BRTV15WSS3PC	1900	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
BRTV18WSS3PC	2300	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/