

让世界信赖 伯朗特机器人

Let the world trust **BORUNTE** Robot

– www.borunte.com –

伯朗特机器人股份有限公司

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抖音号



公众号



小程序

— www.borunte.com —

让世界信赖伯朗特机器人

Let the world trust the BORUNTE robot

一、愿景 (Vision)

成为机器人全球品牌,赋能机器为人类服务。

Become a global brand of robots, empowering machines to serve humanity.

二、使命 (Mission)

为客户、员工、企业、社会,创造最大价值。

To create maximum value for customers, employees, businesses, and society.

三、核心价值观 (Core Values)

1. 认真·老实——务实经营,实事求是

Serious and Honest - Pragmatic management, seeking truth from facts

2. 诚信·共赢——诚信立业,合作共赢

Integrity and Win-Win - Establishing a business with integrity and achieving win-win cooperation

3. 创新·永续——技术驱动,持续成长

Innovation and Sustainability - Technology Driven, Continuous Growth

4. 成长·共享——尊重奋斗者,共享发展成果

Growth and Sharing - Respect workers and share the fruits of development

5. 责任·担当——对客户、员工、企业和社会负责

Responsibility and Responsibility - Being accountable to customers, employees, the company, and society

B RTP06ISS0PC B RTP08WSS0PC



扫码获得更多信息

B RTP06ISS0PC



扫码获得更多信息

B RTP08WSS0PC

斜臂式机械手
Swing-arm servo
Manipulator

产品特点 Product Features

B RTP06ISS0PC, B RTP08WSS0PC 机型适用于 30T-250T 的各型卧式射出成型机的成品取出, 上下手臂为单截式 / 双截式, 上下、引拔、旋出、旋入均采用气压驱动, 速度快, 高效率; 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 RTP06ISS0PC / B RTP08WSS0PC series applies to all types of horizontal injection machines of 30T-250T for take-out products. The up and down arm is a single/double sectional type. The up and down action, drawing part, screwing out, and screwing in of them is driven by air pressure, with high speed and high efficiency. After installing this robot, productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.



B RTP06ISS0PC

B RTP08WSS0PC

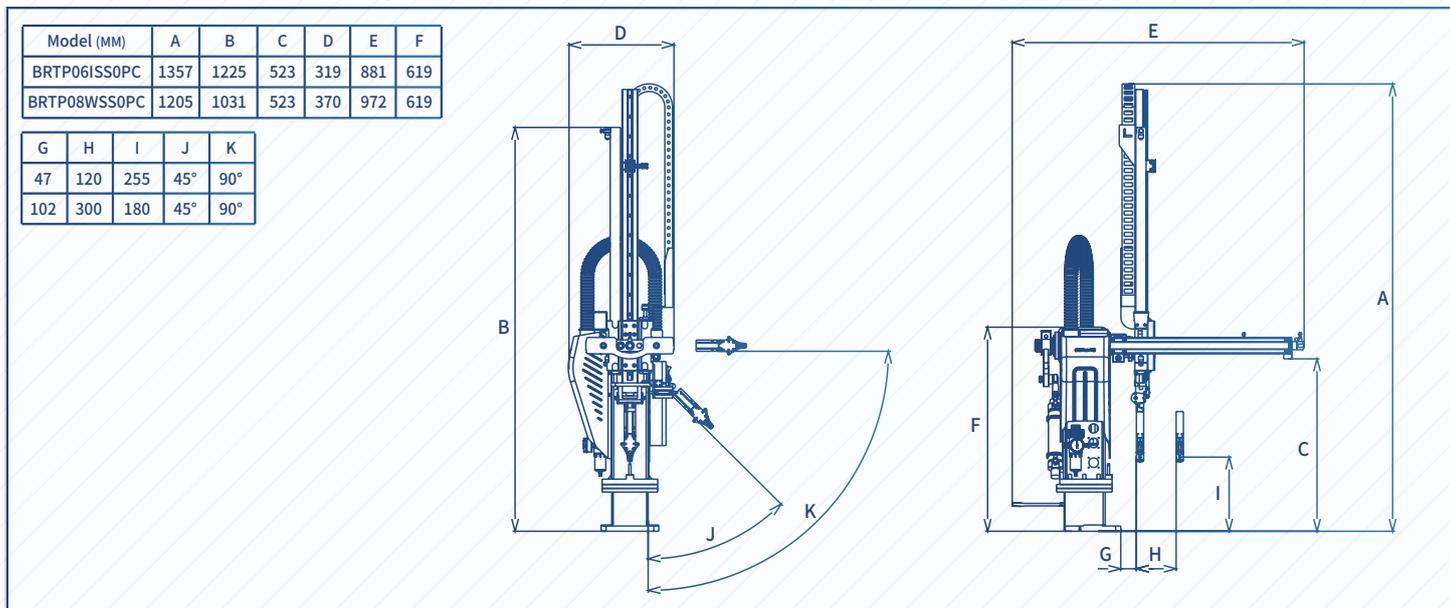
主要规格 Main Specification

机型/Model	电源容量 (kVA) Power Source	适用注塑机 (Ton) Recommended I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行程 (mm) Traverse Stroke	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	放出角度 (Degree) Swing Angle	空气消耗量 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
B RTP06ISS0PC	0.05	30T-150T	气缸驱动 Driven by cylinder	零吸零抱 Zero suction Zero fixtures	/	120	650	2	1.6	5.5	30-90	3	±0.05	36
B RTP08WSS0PC	1.27	150T-250T	气缸驱动 Driven by cylinder	零吸零抱 Zero suction Zero fixtures	/	300	850	2	2	6	30-90	3	±0.05	60

机型表示: I: 单截式 W: 双截式 S: 单臂机械手 (成品臂) S0: 气缸驱动
Model representation: I: Single stage. W: Telescopic type. S: Product arm. S0: Driven by cylinder.

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。
The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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B RTP07ISS1PC



扫码获得更多信息

一轴伺服机械手
One-axis servo Manipulator

产品特点 Product Features

B RTP07ISS1PC 机型适用于 60T-200T 的各型卧式射出成型机的成品取出, 上下手臂为单截式, 上下采用 AC 伺服马达驱动, 定位精准, 速度快, 寿命长, 故障低, 其余部位采用气压驱动, 经济实惠。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 RTP07ISS1PC series applies to all types of horizontal injection machines of 60T-200T for take-out products. The up and down arm is a single sectional type. The up and down action is driven by AC servo motor, with accurate positioning, fast speed, long service life, and low failure rate. The rest parts are driven by air pressure. It is economical and affordable. After installing this robot, productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the 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	适用注塑机 (Ton) Recommended I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行程 (mm) Traverse Stroke	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	放出角度 (Degree) Swing Angle	空气消耗量 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
B RTP07ISS1PC	1.27	60T-200T	AC伺服马达、气缸驱动 AC Servo motor、Driven by cylinder	零吸零抱 Zero suction Zero fixtures	/	115	750	2	1.4	5	30-90	3	±0.05	50

机型表示: I:单截式 S:单臂机械手(成品臂) S1:一轴AC伺服马达驱动(成品臂上下)
Model representation: I:Single cut type. S:Product arm. S1:Five-axis driven by AC Servo Motor.

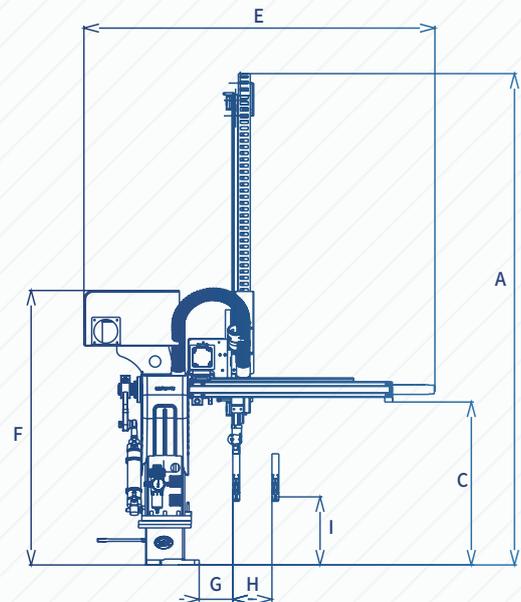
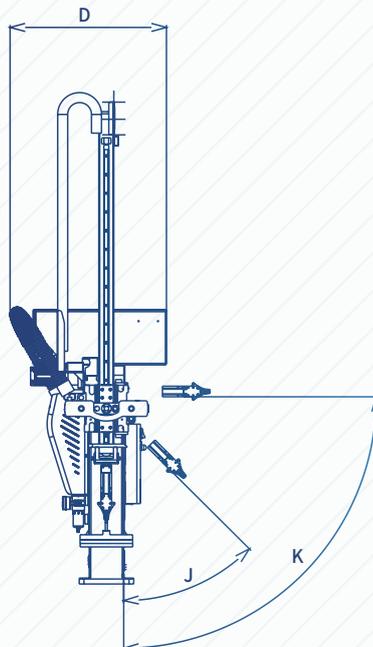
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基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F
B RTP07ISS1PC	1577	/	523	500	1121	881

G	H	I	J	K
107	115	224	30°	90°



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BRTB08WDS1P0 BRTB10WDS1P0



扫码获得更多信息

BRTB08WDS1P0



扫码获得更多信息

BRTB10WDS1P0

一轴伺服机械手
One-axis servo Manipulator

产品特点 Product Features

BRTB08WDS1P0, BRTB10WDS1P0 机型适应于 120T-380T 的各卧式射出成型机的成品及水口取出, 上下手臂结构是双截式, 双臂, 适用二 / 三板模具取出, 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。

单轴驱动一体控制系统: 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。

BRTB08WDS1P0, BRTB10WDS1P0 traversing robot arm applies to all types of horizontal injection machine ranges of 120T-380T for take-out products and sprue. The vertical arm is telescopic type, with a product arm and runner's arm, for two plate or three plate mold products take out. The traverse axis is driven by an AC servo motor. Accurate positioning, fast speed, long life, and low failure rate. Installing the manipulator, the productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

Single-axis drive control integrated control system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can control multiple axes at the same time, simple equipment maintenance, and less failure rate.



主要规格 Main Specification

机型/Model	电源容量 (kVA) Power Source	适用注塑机 (Ton) Recommended I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行程 (mm) Traverse Stroke	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	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTB08WDS1P0	1.69	120T-250T	AC伺服马达 AC Servo motor	一吸一抱 One suction One fixtures	1250	P:300 R:115	800	3	1.7	6.49	3.5	±0.05	198
BRTB10WDS1P0	1.78	250T-380T	AC伺服马达 AC Servo motor	一吸一抱 One suction One fixtures	1600	P:300 R:115	1000	3	1.92	8.16	4.2	±0.05	221

机型表示: W: 双截式 D: 双臂机械手 (成品臂+料头臂) S1: 横行AC伺服马达驱动

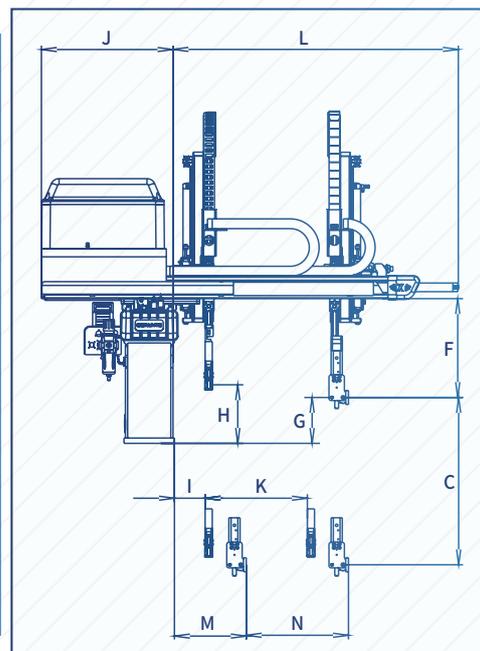
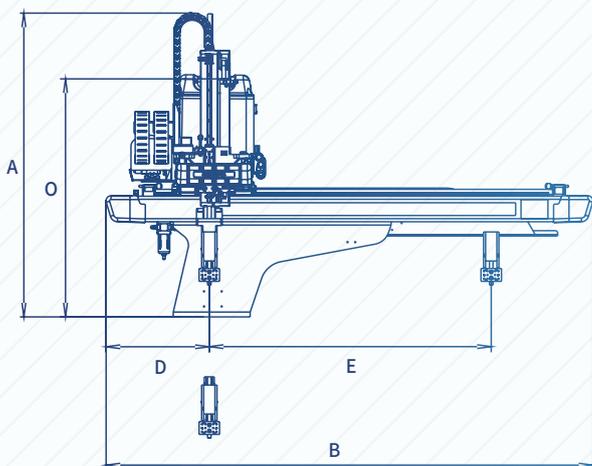
Model representation: W: Telescopic type D: Product arm +runner arm. S1: AC Servo driven on traverse axis.

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

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基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BRTB08WDS1P0	1340	2044	800	388	1250	354	165	210	135	475	520	1190	225	520	1033
BRTB10WDS1P0	1470	2419	1000	402	1600	354	165	210	135	475	630	1315	225	630	1133



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BRTR07WDS5PC BRTR08TDS5PC BRTR11WDS5PC



BRTR07WDS5PC
扫码获得更多机型信息



BRTR08TDS5PC
扫码获得更多机型信息



BRTR11WDS5PC
扫码获得更多机型信息

五轴伺服机械手
Five-axis servo
Manipulator

产品特点 Product Features

BRTR07WDS5PC, BRTR08TDS5PC, BRTR11WDS5PC 系列适用于 50T-470T 的各种卧式射出成型机的成品及水口取出, 手臂形式为三截式或双截式, 双臂, 五轴 AC 伺服驱动, 可以应用于快速取出或模内贴, 模内镶件等特殊产品应用, 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。

五轴驱控一体控制系统: 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。

BRTR07WDS5PC, BRTR08TDS5PC, BRTR11WDS5PC series is suitable for 50T-470T horizontal injection molding machine to take out the finished product and nozzle, arm form ternary form or telescopic stage, two-arm, five-axis AC servo drive, can be used for quick removal or in-mold sticking, in-mold inserts and other special product applications. Accurate positioning, high speed, long life, and low failure rate. After installing the manipulator can increase production capacity (10-30%) and will reduce the defective rate of products, ensure the safety of operators, and reduce manpower. Accurately control production, reduce waste and ensure delivery.

Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, multi-axis can be controlled at the same time, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行程 (mm) Traverse Stroke	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	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTR07WDS5PC	3.32	50T-200T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Two fixtures	1300	P:370 R:370	750	3	1.32	4.95	4	±0.05	230
BRTR08TDS5PC	3.57	50T-230T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	1300	P:430 R:430	810	3	0.92	4.55	4	±0.05	295
BRTR11WDS5PC	4.6	320T-470T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Two fixtures	1700	P:720 R:720	1100	10	2.49	7.2	4	±0.05	255

机型表示: W:双截式 T:三截式 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)

Model representation: W:Telescopic type. T:ternary form. D:Product arm +runner arm. S5:Five-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis).

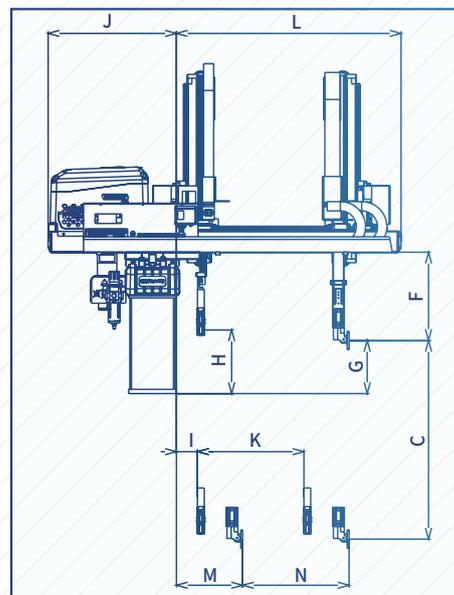
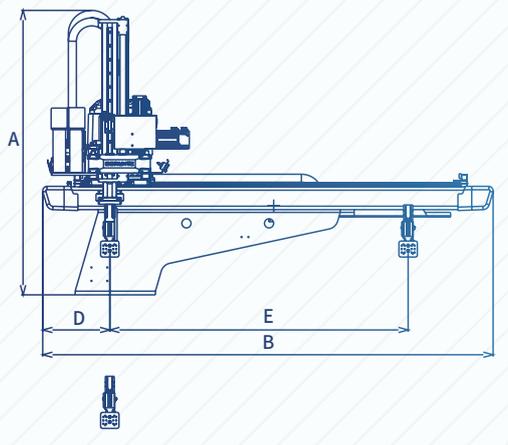
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基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (mm)	A	B	C	D	E	F
BRTR07WDS5PC	1245	1962.5	750	292	1300	333
BRTR08TDS5PC	910	2279	810	476	1300	259
BRTR11WDS5PC	1426.5	2342	1100	290	1700	369

	G	H	I	J	K	L	M	N
	200	240	80	482	370	844	278	370
	85	92	106.5	321.5	430	1045.5	227	430
	165	176	106	481	720	1200	286	720



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BRTR09WDS5P0 BRTR13WDS5PC BRTR17WDS5PC



BRTR09WDS5P0
扫码获得更多机型信息



BRTR13WDS5PC
扫码获得更多机型信息



BRTR17WDS5PC
扫码获得更多机型信息

五轴伺服机械手
Five-axis servo
Manipulator

产品特点 Product Features

BRTR09WDS5P0, BRTR13WDS5PC, BRTR17WDS5PC 系列适用于 160T-1200T 的各种卧式射出成型机的成品及水口取出, 手臂形式双截式, 双臂, 五轴 AC 伺服驱动, 可以应用于快速取出或模内贴, 模内镶件等特殊产品应用, 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。

五轴驱控一体控制系统: 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。

BRTR09WDS5P0, BRTR13WDS5PC, BRTR17WDS5PC series applies to all types of horizontal injection machine ranges of 160T-1200T for take-out products and sprue. The vertical arm is the telescopic stage with the product arm. Five-axis AC servo drive, also suitable for in-mold labeling and in-mold inserting application. After installing the manipulator, the productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行程 (mm) Traverse Stroke	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 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTR09WDS5P0	2.91	160T-320T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Two fixtures	1500	P:520 R:520	950	8	1.5	5.61	4	±0.05	246
BRTR13WDS5PC	3.72	360T-700T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Two fixtures	1860	P:795 R:795	1380	10	2.7	7.91	15	±0.05	431
BRTR17WDS5PC	3.4	750T-1200T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Two fixtures	2580	P:1055 R:1055	1760	15	3.61	10.85	15	±0.1	550

机型表示: W: 双截式 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)

Model representation: W: Telescopic type D: Product arm + runner arm. S5: Five-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis + Crosswise-axis).

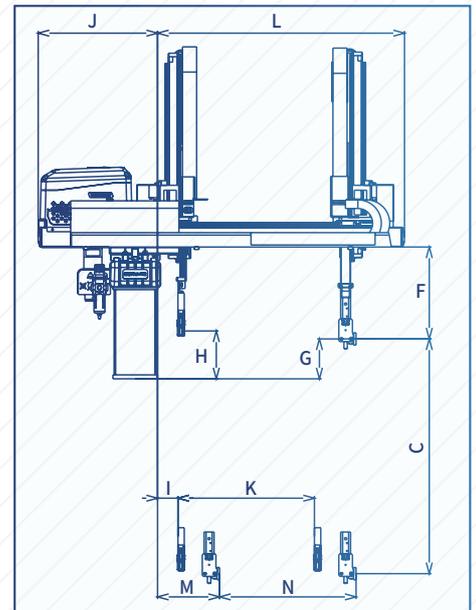
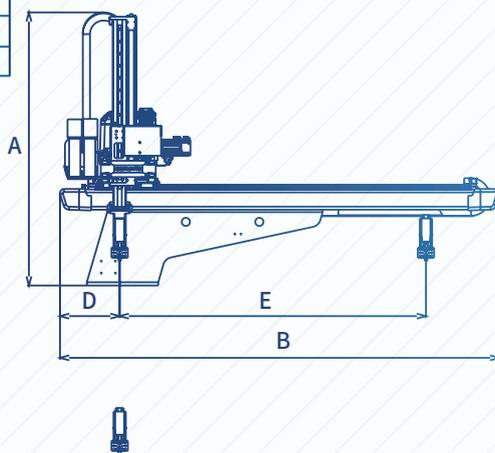
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基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F
BRTR09WDS5P0	1344	2152	950	292	1500	372
BRTR13WDS5PC	1651	2670	1380	342	1860	400
BRTR17WDS5PC	1937	3395	1760	348	2580	525

G	H	I	J	K	L	M	N
161.5	194	82	481	520	995	282	520
182	225	131.4	538	795	1484	441.6	795
47	108	150	566	1055	1706	509.5	1055



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。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

BRTM09IDS5PC



扫码获得更多信息

五轴伺服机械手
Five-axis servo Manipulator

产品特点 Product Features

BRTM09IDS5PC 系列适用于 160T-320T 的各种卧式射出成型机的成品取出, 手臂形式单截式, 双臂, 五轴 AC 伺服驱动, 可以应用于快速取出或模内贴, 模内镶件等特殊产品应用, 定位精准, 速度快, 寿命长, 故障率低, 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。

五轴驱控一体控制系统: 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。

BRTM09IDS5PC series is suitable for the finished product extraction of 160T-320T horizontal injection molding machine, single-cut arm type, two arms, five-axis AC servo drive, can be used for quick removal or in-mold sticking, in-mold inserts and other special product applications. Accurate positioning, high speed, long life, low failure rate. Installing the manipulator can increase production capacity by 10-30% and will reduce the defective rate of products, ensure operator safety, and reduce manual labor. Accurately control production, reduce waste and ensure delivery.

Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, multi-axis can be controlled at the same time, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行程 (mm) Traverse Stroke	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 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTM09IDS5PC	3.1	160T-320T	AC伺服马达 AC Servo motor	两吸四抱 Two suction Four fixtures	1500	P:650 R:650	900	10	2.74	7.6	4	±0.05	310

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)

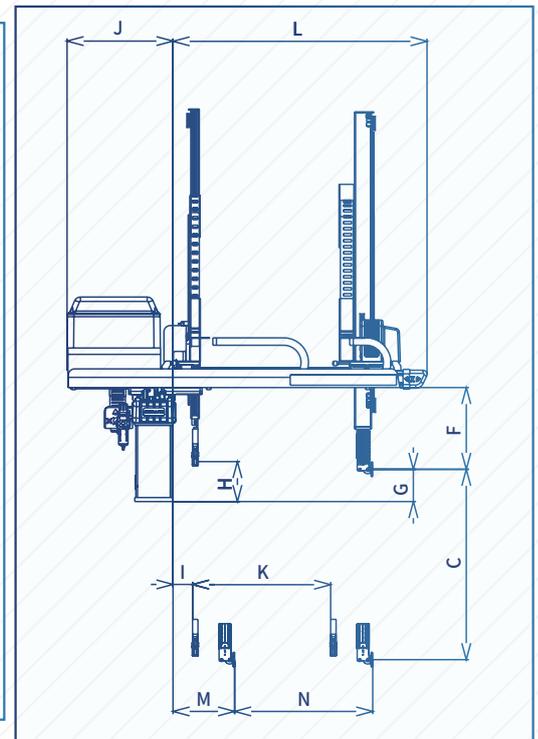
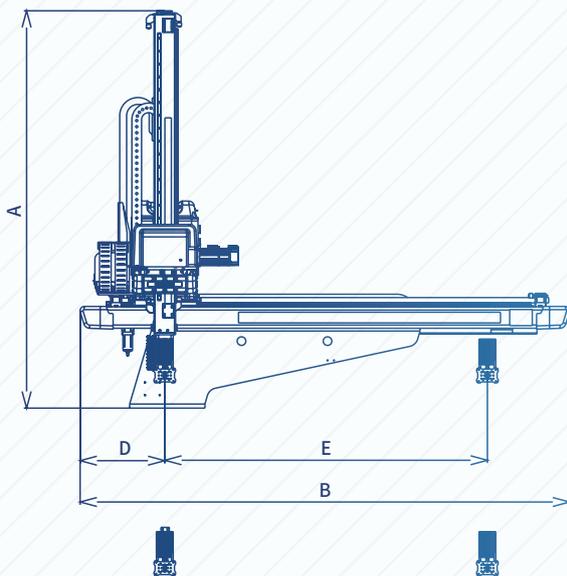
Model representation: I: Single cut type. D: Product arm + runner arm. S5: Five-axis driven by AC Servo Motor (Traverse-axis. Vertical-axis + Crosswise-axis).

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BRTM09IDS5PC	1856	2275	900	394	1500	386.5	152.5	189	92	500	650	1195	290	650



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。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

BRTNG09WSS3P BRTNG11WSS3P



扫码获得更多信息

BRTNG09WSS3P



扫码获得更多信息

BRTNG11WSS3P

三轴伺服机械手
Three-axis servo
Manipulator

产品特点 Product Features

BRTNG09WSS3P, BRTNG11WSS3P 系列适用于 160T-480T 的各型塑胶射出成型机, 手臂形式双截式, 单臂, 三轴 AC 伺服驱动, 取物时间快, 比同类机型更加节省时间, 定位精准, 速度快, 寿命长, 故障率低, 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。

三轴驱控一体控制系统: 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。

BRTNG09WSS3P, BRTNG11WSS3P series apply to all types of horizontal injection machine ranges of 160T-480T for take-out products. The vertical arm is the telescopic type with the product arm. Three-axis AC servo drive saves time than similar models, accurate positioning, and short forming cycle. After installing the manipulator, the productivity will be increased by 10-30% and will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

Three-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行行程 (mm) Traverse Stroke	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 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTNG09WSS3P	3.23	160T-380T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	1500	600	950	2	0.68	4.07	3.2	±0.05	300
BRTNG11WSS3P	5.38	250T-480T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	1700	700	1150	2	0.68	4.07	3.2	±0.05	330

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)

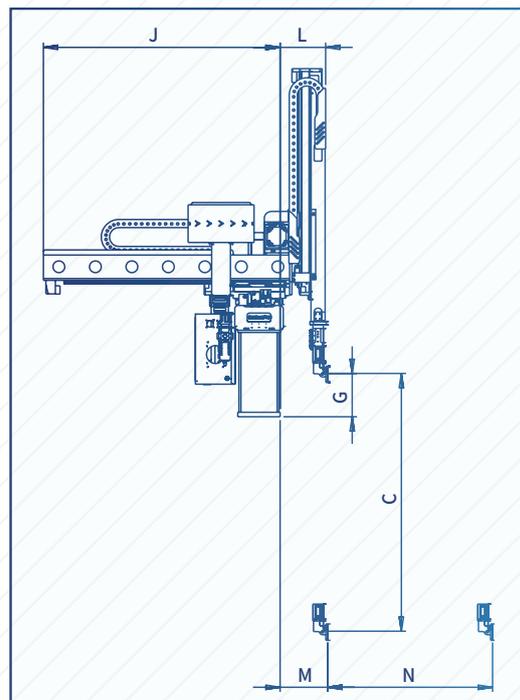
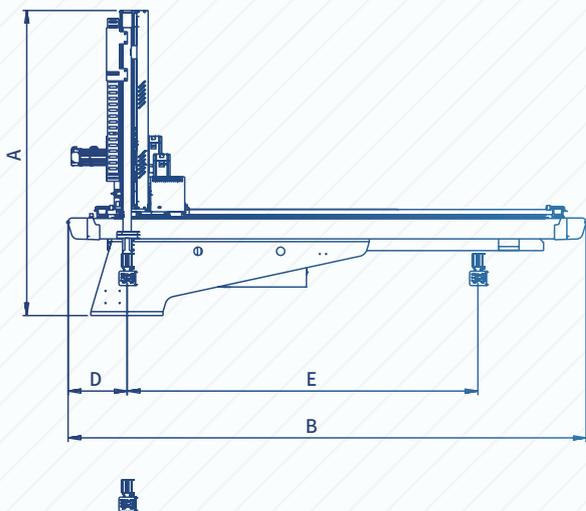
Model representation: W: Telescopic stage. S: Product arm S3: Three-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+Crosswise-axis)

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BRTNG09WSS3P	1362	2275.5	950	298	1500	/	219	/	/	916	/	234.5	237.5	600
BRTNG11WSS3P	1482	2514.5	1150	298	1700	/	219	/	/	1031	/	240	242	700



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No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

BRTNN11WSS3P BRTNN15WSS4P BRTNN15WSS5P



BRTNN11WSS3P
扫码获得更多机型信息



BRTNN15WSS4P
扫码获得更多机型信息



BRTNN15WSS5P
扫码获得更多机型信息

三/四/五轴伺服机械手
Three/Four/Five-axis
servo Manipulator

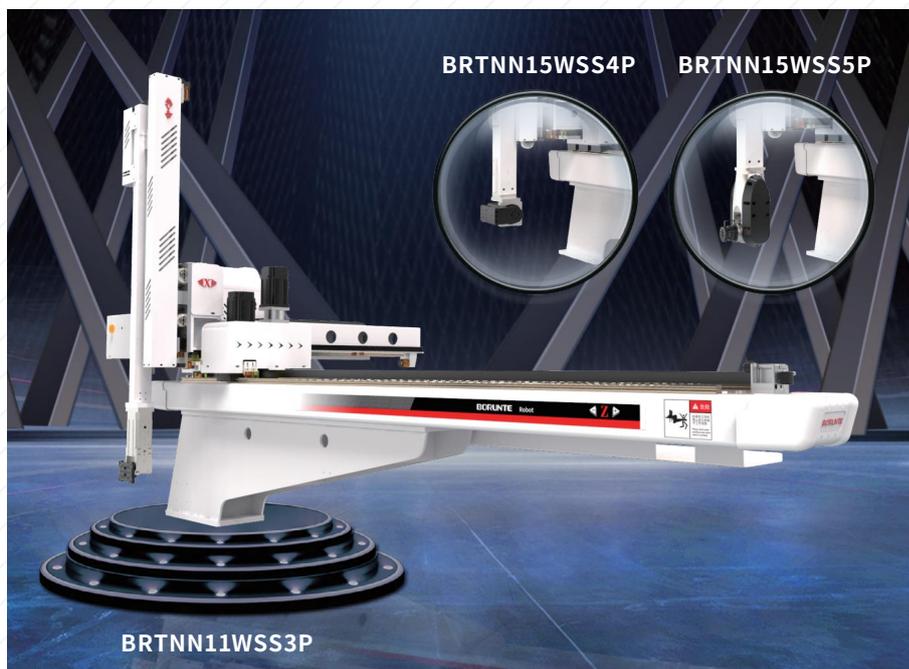
产品特点 Product Features

BRTNN11WSS3P, BRTNN15WSS4P, BRTNN15WSS5P 系列适用于 250T-800T 的各种型塑胶射出成型机, 手臂形式双截式, 单臂, 三 / 四轴 AC 伺服驱动。四轴标配 C 伺服驱动轴, C 轴旋转角 90°; 定位精准, 速度快, 寿命长, 故障率低, 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。

三 / 四轴驱动一体控制系统: 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。

BRTNN11WSS3P, BRTNN15WSS4P, BRTNN15WSS5P series applies to all types of horizontal injection machine ranges of 250T-800T for take-out products. The vertical arm is the telescopic type with the product arm. Three/four axis AC servo drive, four axis with a C-servo axis on the wrist, the rotation angle of the C-axis: 90°, saves time than similar models, accurate positioning, and short forming cycle. After installing this robot, the productivity will be increased by 10-30% will reduce the defective rate of products, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

Three/four axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行行程 (mm) Traverse Stroke	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 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTNN11WSS3P	2.59	250T-480T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	1700	700	1100	10	1.63	6.15	3.2	±0.05	261
BRTNN15WSS4P	3.18	470T-800T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	2260	900	1500	15	2.74	9.03	3.2	±0.1	500
BRTNN15WSS5P	3.23	470T-800T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	2260	900	1500	15	3.73	11.23	3.2	±0.1	500

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) S4:四轴AC伺服马达驱动(成品臂上下、C轴、引拔+横行)

Model representation: W:Telescopic stage. S:Product arm S3:Three-axis driven by AC Servo Motor(Traverse-axis,Vertical-axis+Crosswise-axis)

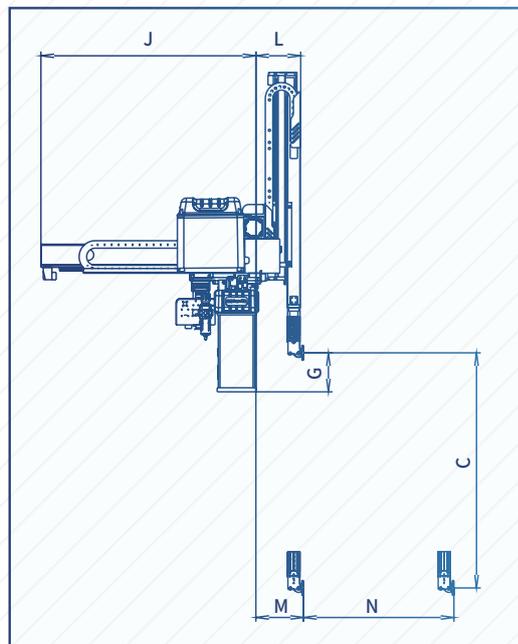
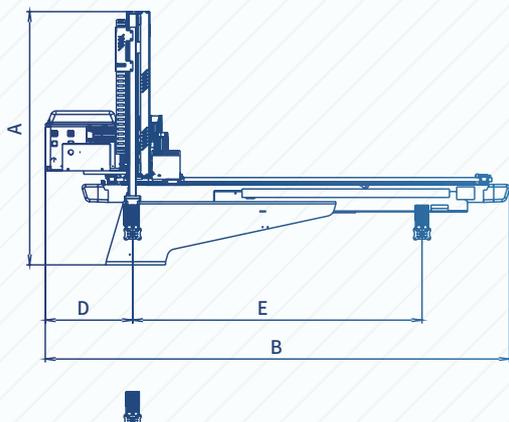
S4:Four-axis driven by AC Servo Motor(Traverse-axis,C-axis,Vertical-axis+Crosswise-axis)

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BRTNN11WSS3P	1495	2727	1100	513	1700	/	141	/	/	1002	/	208	222	700
BRTNN15WSS4P	1814	3270	1500	498.5	2260	/	246	/	/	1259.5	/	367.5	417	900
BRTNN15WSS5P	1831	3270	1500	500	2260	/	190	/	/	1254	/	373	450	900



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BRTN17WSS5PC



扫码获得更多信息

五轴伺服机械手
Five-axis servo Manipulator

产品特点 Product Features

BRTN17WSS5PC 系列适用于 600T-1300T 的各种型塑胶射出成型机，五轴 AC 伺服驱动，标配 AC 伺服驱动轴，A 轴旋转角 360°，C 轴旋转角 180°，可自由定位调整夹具角度。两者寿命长，精度高，故障率低，维护简单，主要用于快速取出或是复杂角度取出应用，特别是长形状产品如汽车用品，洗衣机等家用电器。

五轴驱动一体控制系统：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。

BRTN17WSS5PC series applies to various types of 600T-1300T plastic injection molding machines, five-axis AC servo drive, with AC servo axis on the wrist. The rotation angle of the A-axis: 360°, and the rotation angle of the C-axis: 180°, which can locate and adjust the angle of the fixture freely. Both have a long life, high accuracy, low failure rate, and simple maintenance. It is mainly used for quick injection or complex angle injection, especially suitable for long shape products such as automotive products, washing machines, and household appliances.

Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行行程 (mm) Traverse Stroke	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 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTN17WSS5PC	4.23	600T-1300T	AC伺服马达 AC Servo motor	四吸两抱 Four suction Two fixtures	2510	1415	1700	20	4.45	13.32	47	±0.1	585

机型表示: W: 双截式 S: 单臂机械手 (成品臂) S5: 五轴AC伺服马达驱动 (成品臂上下、AC轴、引拔+横行)

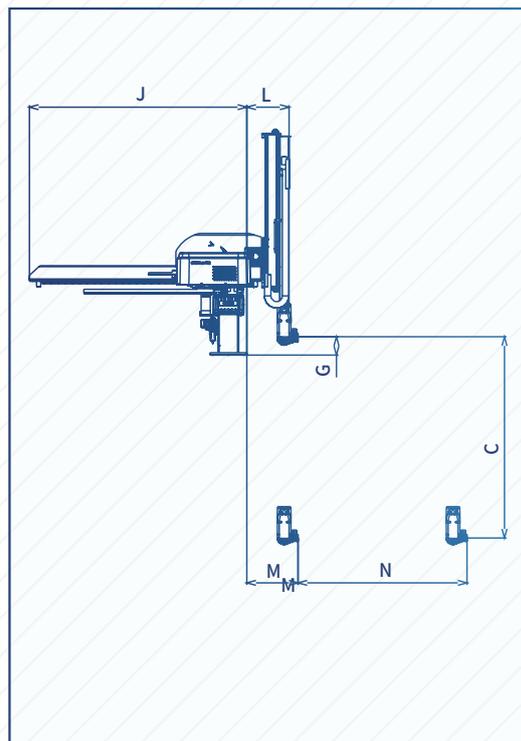
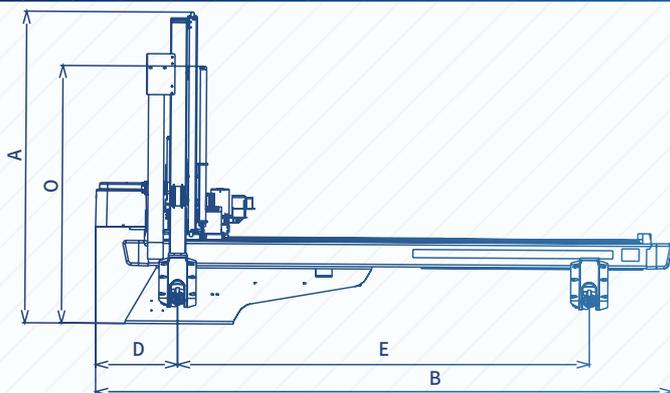
Model representation: W: Telescopic type. S: Product arm. S5: Five-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis + Crosswise-axis).

上述取物时间，循环时间为我司内部测试标准测试结果，在机器实际应用过程中会因实际使用行程，负载，调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
BRTN17WSS5PC	1906	3512	1700	500	2510	/	155.5	/	/	1828	/	354.5	430	1415	1576



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BRTV09WDS5P0

BRTV13WDS5P0



扫码获得更多信息

BRTV09WDS5P0



扫码获得更多信息

BRTV13WDS5P0

五轴伺服机械手
Five-axis servo Manipulator

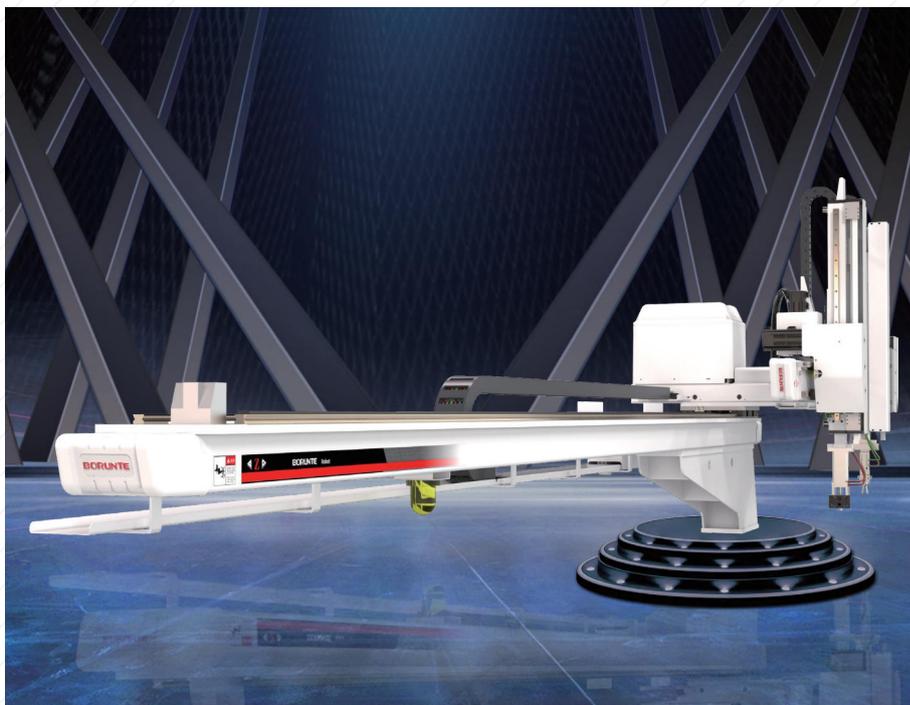
产品特点 Product Features

BRTV09WDS5P0, BRTV13WDS5P0 系列适用于 120T-700T 的各型卧式射出机的成品及水口取出, 安装方式与传统式的横走式不同, 是将成品与料头取出放置于射出机尾端, 可以节省出机的安装空间。手臂形式双截式, 双臂, 上下行程 900mm/1300mm, 五轴 AC 伺服驱动, 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。

五轴驱控一体控制系统: 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, 可同时控制多轴, 设备维护简单, 故障率少。

BRTV09WDS5P0, BRTV13WDS5P0 series applies to all types of horizontal injection machine ranges of 120T-700T for take-out products and sprue. The installation is different from traditional beam robots, products are placed at the end of injection molding machines. It has a double arm. The vertical arm is a telescopic stage and the vertical stroke is 900mm/1300mm. Five-axis AC servo drive. After installation, the installation space of the ejector can be saved by 30-40%, and the plant can be used more fully allowing better utilization of production space, productivity will be increased by 20-30%, reduce the defective rate, ensure the safety of operators, reduce manpower and accurately control the output to reduce waste.

Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行行程 (mm) Traverse Stroke	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	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTV09WDS5P0	3.4	120T-320T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	横行拱总长6米以内 Traverse total arch length: 6 meter	待定 Pending	900	5	1.7	待定 Pending	9	±0.05	非标准 Nonstandard
BRTV13WDS5P0	3.4	320T-700T	AC伺服马达 AC Servo motor	两吸两抱 Two suctions Two fixtures	横行拱总长6米以内 Traverse total arch length: 6 meter	待定 Pending	1300	8	2.3	待定 Pending	9	±0.05	非标准 Nonstandard

机型表示: W: 双截式 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)

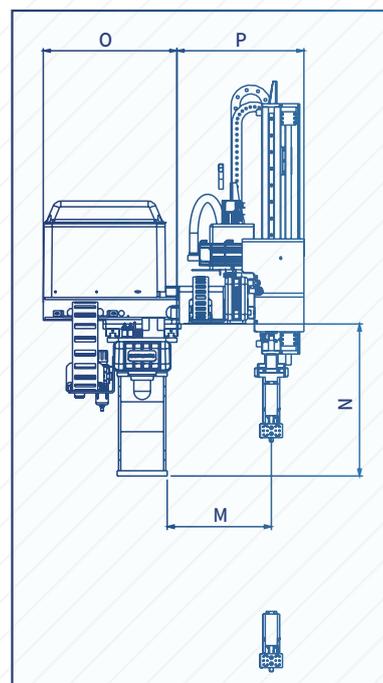
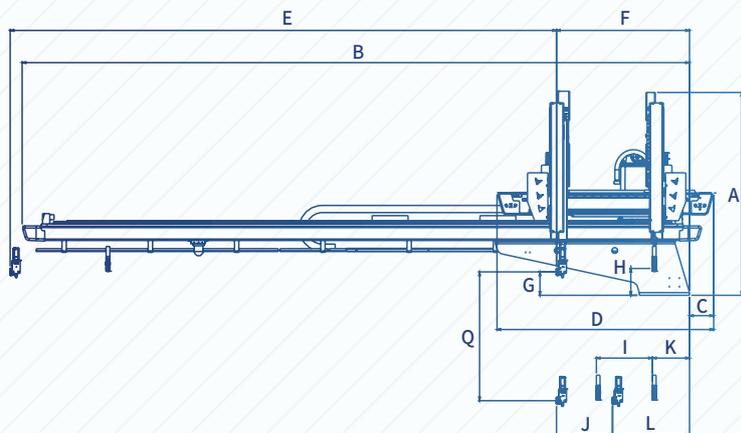
Model representation: W: Telescopic type. D: Product arm + runner arm. S5: Five-axis driven by AC Servo Motor (Traverse-axis, Vertical-axis+Crosswise-axis).

上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
BRTV09WDS5P0	1553.5	≤6M	162	待定 Pending	待定 Pending	待定 Pending	174	187	待定 Pending	待定 Pending	255	555	待定 Pending	549	445.5	待定 Pending	900
BRTV13WDS5P0	1614	≤6M	162	待定 Pending	待定 Pending	待定 Pending	167.5	191	待定 Pending	待定 Pending	253.5	399	待定 Pending	549	481	待定 Pending	1300



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No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

BRTN24WSS5PC BRTN30WSS5PC



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BRTN24WSS5PC



扫码获得更多信息

BRTN30WSS5PC

五轴伺服机械手
Five-axis servo
Manipulator

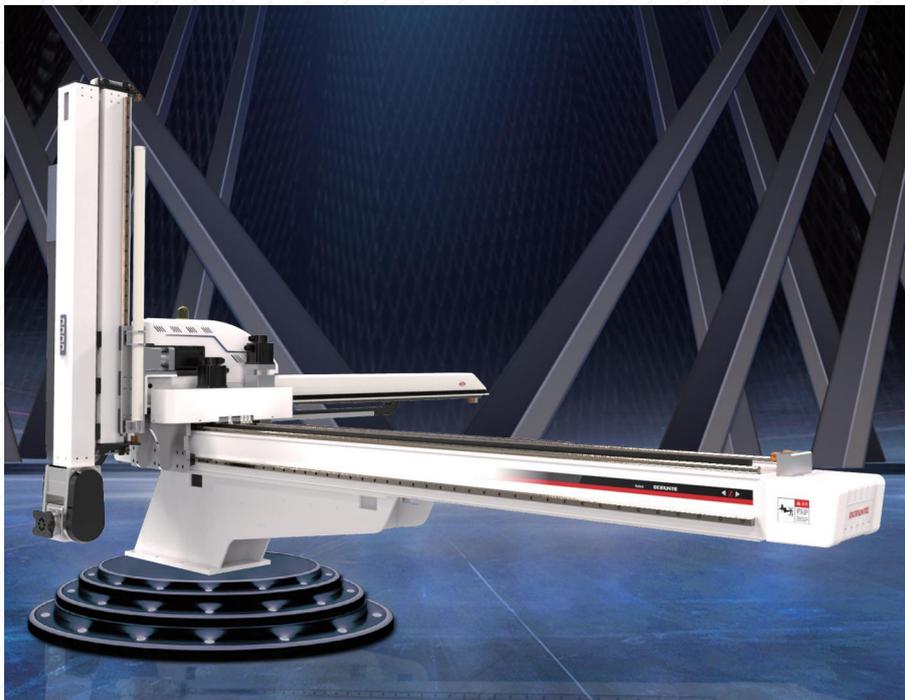
产品特点 Product Features

BRTN24WSS5PC, BRTN30WSS5PC 系列适用于 1300T-4000T 的各种型塑胶射出成型机, 五轴 AC 伺服驱动, 标配 AC 伺服驱动轴, A 轴旋转角 360°, C 轴旋转角 180°, 可自由定位调整夹具角度, 寿命长, 精度高, 故障率低, 维护简单, 主要用于快速取出或是复杂角度取出应用, 特别是长形状产品如汽车产品, 洗衣机家电产品。

五轴驱控一体控制系统: 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。

BRTN24WSS5PC, BRTN30WSS5PC is suitable for all types of 1300T-4000T plastic injection molding machines, five-axis AC servo drive, with AC servo axis on the wrist, the rotation angle of the A-axis: 360°, and the rotation angle of the C-axis: 180°. It can adjust fixtures freely, with long service life, high accuracy, low failure rate, and simple maintenance. It is mainly used for quick injection or complex angle injection. Especially suitable for long shape products such as automotive products, washing machines, and household appliances.

Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行行程 (mm) Traverse Stroke	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 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTN24WSS5PC	5.9	1300T-2100T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Two fixtures	3200	2000	2400	40	7.04	15.38	15	±0.05	1761
BRTN30WSS5PC	6.1	2200T-4000T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Two fixtures	4000	2500	3000	60	8.43	16.02	47	±0.1	2066

机型表示: W: 双截式 S: 单臂机械手 (成品臂) S5: 五轴 AC 伺服马达驱动 (成品臂上下、AC 轴、引拔+横行)

Model representation: W: Telescopic type. S: Product arm. S5: Five-axis driven by AC Servo Motor (Traverse-axis, AC-axis, Vertical-axis + Crosswise-axis).

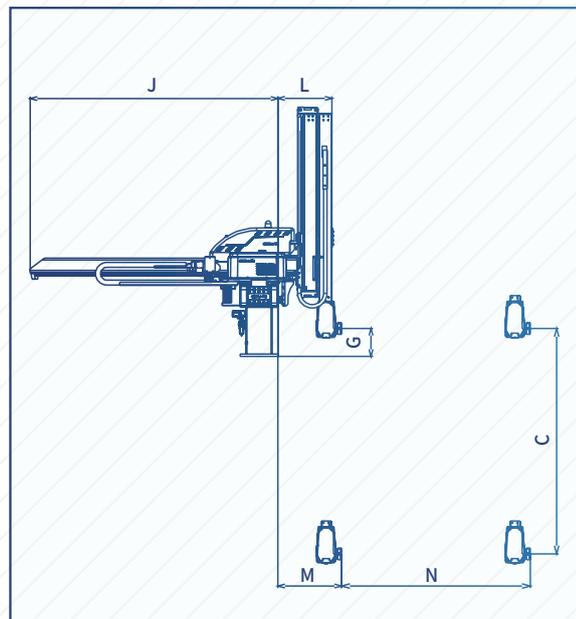
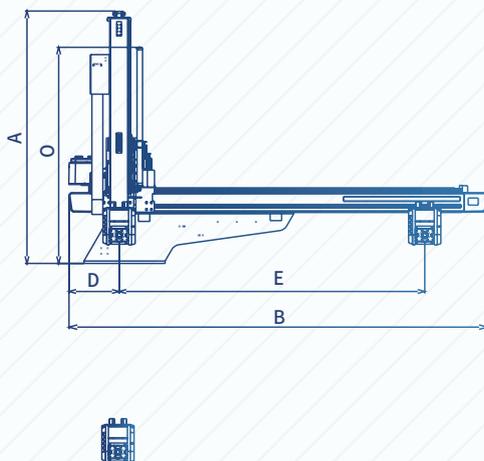
上述取物时间, 循环时间为我司内部测试标准测试结果, 在机器实际应用过程中会因实际使用行程, 负载, 调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M
BRTN24WSS5PC	2654	4380	2400	525	3200	/	297.2	/	/	2624.5	/	572.5	675.2
BRTN30WSS5PC	2945	5333	3000	569.5	4000	/	276	/	/	3154	/	563	666

N	O
2000	2273
2500	2487



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BRTV17WSS5PC

五轴伺服机械手
Five-axis servo
Manipulator

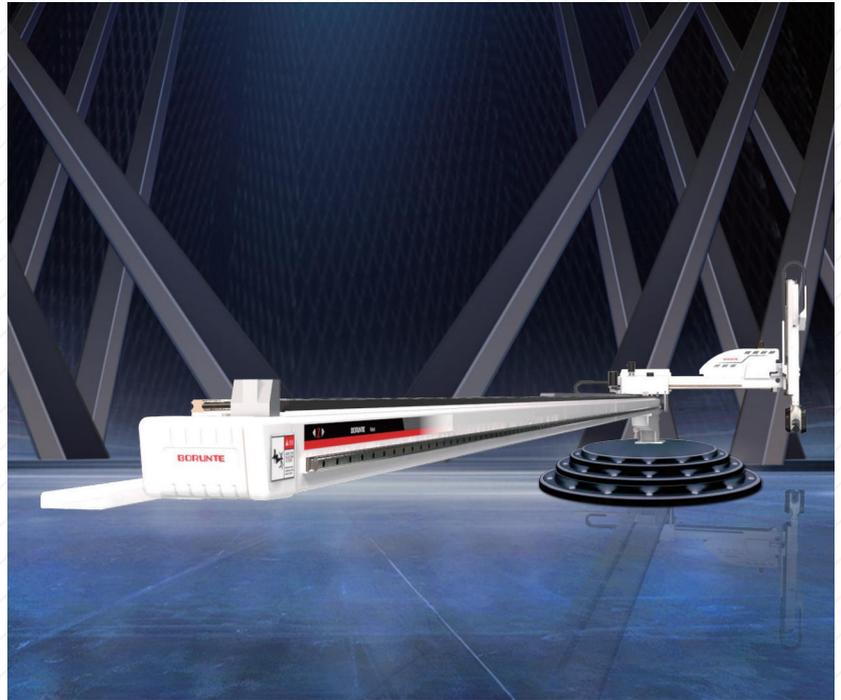


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更多
机型
信息

产品特点 Product Features

BRTV17WSS5PC 系列适用于 600T-1300T 的各型卧式射出机的成品及水口取出，安装方式与传统式的横走式不同，是将成品与料头取出放置于射出机尾端，可以节省出机的安装空间。手臂形式双截式单臂，五轴 AC 伺服驱动，标配 AC 伺服驱动轴，A 轴旋转角 360°，C 轴旋转角 180°，可自由定位调整夹具角度，寿命长，精度高，故障率低，维护简单，主要用于快速去除或是复杂角度取出应用，特别是长形状产品如汽车产品，洗衣机家电用品。五轴驱控一体控制系统：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。

BRTV17WSS5PC series applies to all types of horizontal injection machine ranges of 600T-1300T for take-out products and sprue. The installation is different from traditional beam robots, products are placed at the end of injection molding machines, which can save installation space for the ejection machine. Arm form: telescopic type and single arm, five axis AC servo drive, with AC servo drive axis, A axis rotation angle of 360°, C axis rotation angle of 180°, can freely position and adjust fixture angle, long service life, high accuracy, low failure rate, simple maintenance, mainly used for quick removal or complex angle removal applications, especially for long shaped products such as automotive products, washing machines and household appliances. Five-axis driver and controller integrated system: fewer signal lines, long-distance communication, good expansion performance, strong anti-interference ability, high accuracy of repeated positioning, can simultaneously control multiple axes, simple equipment maintenance, and 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 I.M.M	驱动方式 Traverser Driven	治具形式 Model of EOAT	横行行程 (mm) Traverse Stroke	引拨调节行程 (mm) Crosswise Adjustment 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 (NI/cycle) Air Consumption	定位精度 (mm) Repeatability	重量 (kg) Weight
BRTV17WSS5PC	4.23	600T-1300T	AC伺服马达 AC Servo motor	四吸两抱 Four suctions Twe fixtures	横行拱总长12米以内 Traverse total arch length: 12 meter	±200	1700	20	5.21	待定 Pending	15	±0.05	非标准 Nonstandard

机型表示: W:双截式 S:单臂机械手(成品臂) S5:五轴AC伺服马达驱动(成品臂上下、AC轴、引拨+横行)

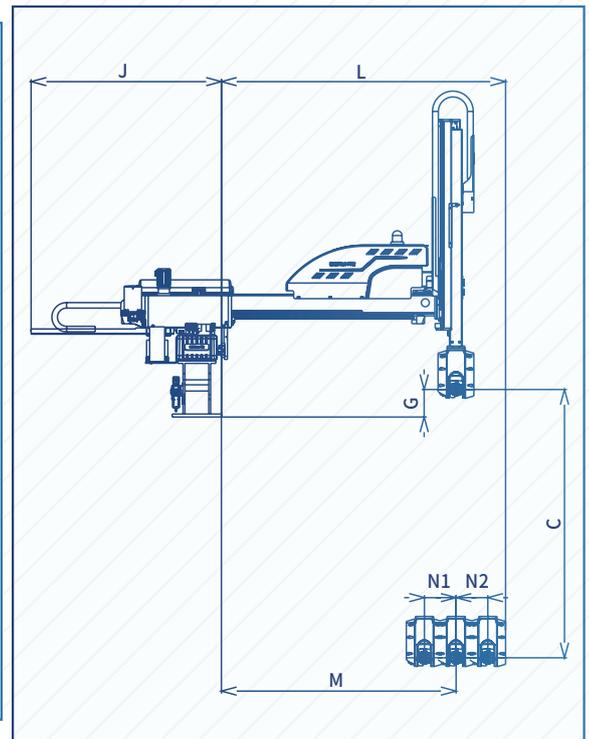
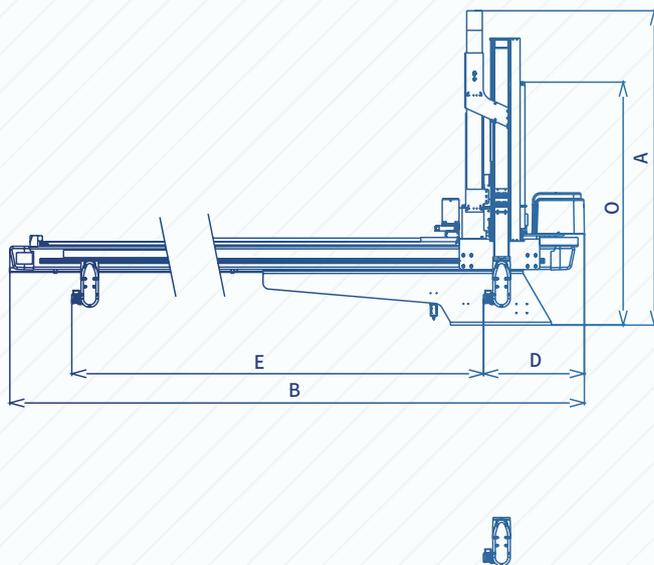
Model representation: W:Telescopic type. S:Product arm. S5:Five-axis driven by AC Servo Motor(Traverse-axis, Vertical-axis+Crosswise-axis).

上述取物时间,循环时间为我司内部测试标准测试结果,在机器实际应用过程中会因实际使用行程,负载,调试参数不同而有所变化。

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基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES

Model (MM)	A	B	C	D	E	F	G	H	I	J	K	L	M	N1	N2
BRTV17WSS5PC	2065	≤12M	1700	658	待定 Pending	/	174.5	/	/	1200	/	待定 Pending	待定 Pending	200	200
O	P	Q													
1597	/	/													



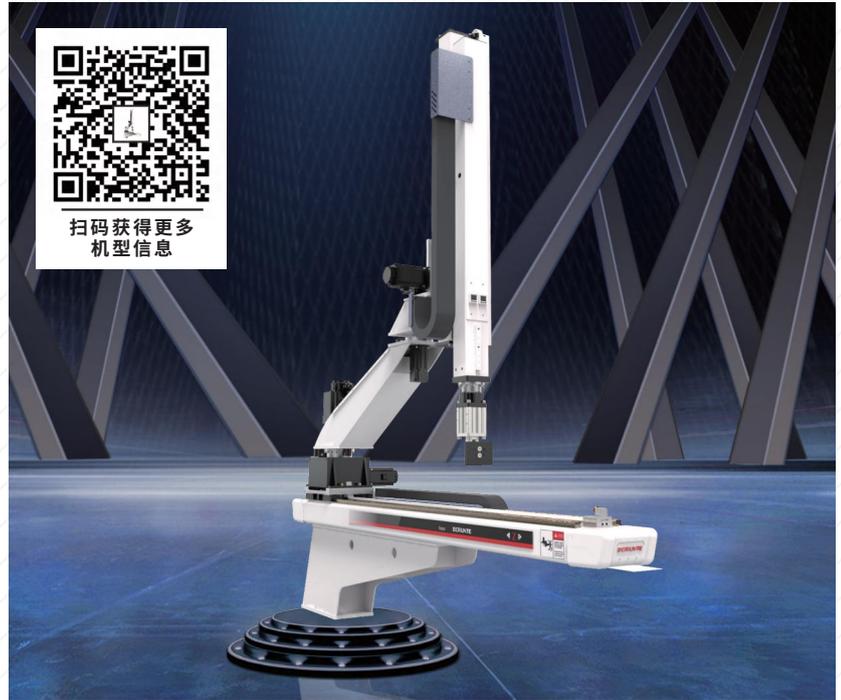
因改良等原因，规格及外观有所变更时，不再另行通知，敬请谅解。

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产品特点 Product Features

BRTIRTR1010A 是伯朗特开发的一款由机械手与水平机组而成的五轴关节机械手，结合机械手和水平机的特点和优势，设计用于注塑机上下料、装箱、装配、堆叠、去水口等应用场景，适用于 200T-700T 的各型卧式射出机的成品取出，可以实现正向、反向、纵向等多方向安装。机器末端可在横行拱两侧区域内活动，较传统机械手拥有更大的工作空间；手臂形式双截式，上下行程 1500mm，横行长度可以定制。可用于深箱装箱等应用场景。

BRTIRTR1010A is a five axis articulated robotic arm developed by BORUNTE, which is composed of a manipulator arm and a horizontal machine. It combines the characteristics and advantages of the manipulator arm and the horizontal machine, and is designed for application scenarios such as loading and unloading, packing, assembly, stacking, and removing nozzle of injection molding machines. It is suitable for the finished product extraction of various types of horizontal injection molding machines ranging from 200T to 700T, and can be installed in multiple directions such as forward, reverse, and vertical. The end of the machine can move within the area on both sides of the horizontal arch, providing a larger workspace than traditional robotic arms; The arm form is double cut, with a vertical stroke of 1500mm, and the horizontal length can be customized. It can be used in application scenarios such as deep box packing.



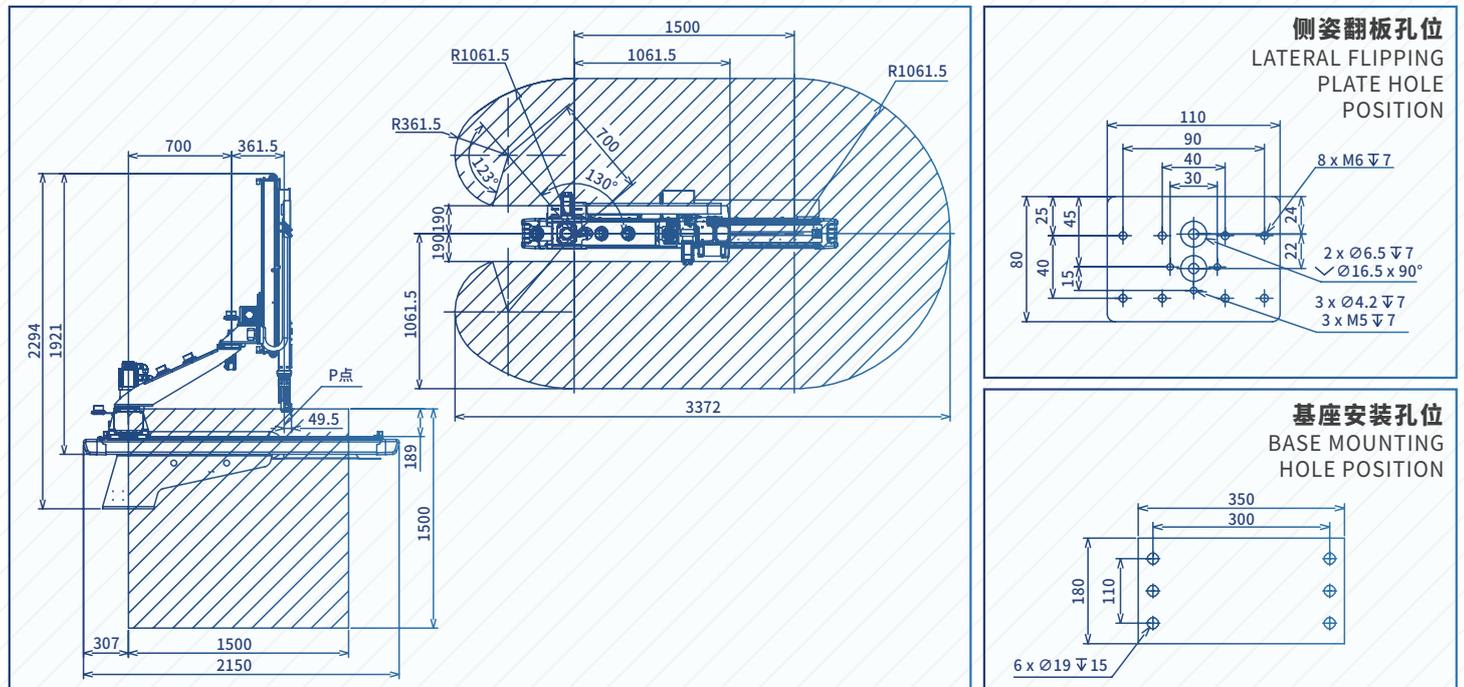
主要规格 Main Specification

机型/Model	项目/Item	J1	J2	J3	J4	J5	臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	适用成型机 (Ton) Recommended I.M.M	治具形式 Model of EOAT	横行行程 (mm) Traverse Stroke	上下行程 (mm) Vertical Stroke	电源容量 (kVA) Power Source	重量 (kg) Weight
BRTIRTR1010A	范围 (#) Range	±130°	±123°	0~1500mm	±180°	0~1500mm (可定制) (customizable)	1061.5	10	±0.5	200T-700T	两吸三抱 Two suctions Three fixtures	1500 (可定制) (customizable)	1500	3.67	244
	最大速度 (#/s) Max.speed	148°/s	150°/s	1.18m/s	225°/s	1.24m/s									

上述取物时间，循环时间为我司内部测试标准测试结果，在机器实际应用过程中会因实际使用行程，负载，调试参数不同而有所变化。

The above-mentioned cycle time are the results of our company's internal test standard. In the actual application process of the machine, they will vary according to the actual operation.

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

采用全新的驱控一体控制系统，信号线少，维护简单，搭配轻巧移动式手持操作器，参数和功能设定一目了然，操作简单快捷。整体结构采用伺服马达加RV减速机驱动，运行更平稳精度更高，效率更高。

It adopts a new drive control integrated control system, with fewer signal lines and simple maintenance. It is equipped with a handy mobile hand-held operating device; the parameters and function settings are clear, and the operation is simple and fast. The whole structure is driven by a servo motor and RV Reducer, which makes the operation more stable, accurate, and efficient.



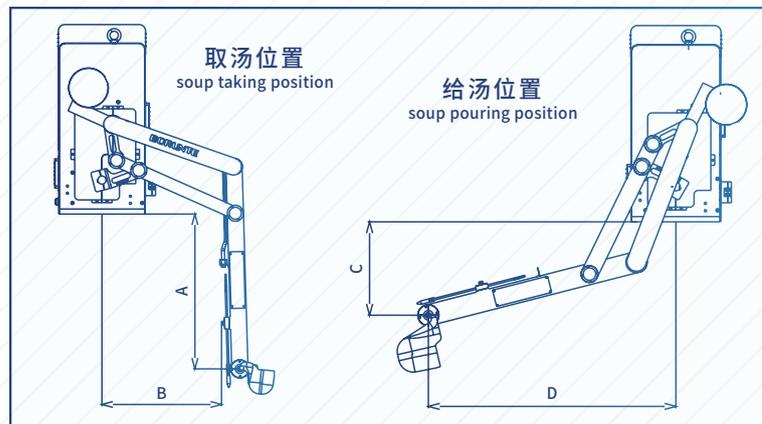
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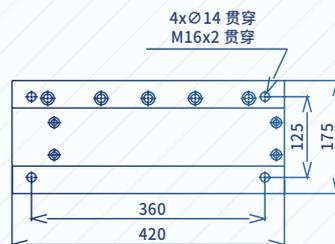
主要规格 Main Specification

项目/Items	BRTYZGT02S2B	BRTYZGT04S2B
适用压铸机/Applicable to die casting machine	160T-400T	400T-800T
手臂驱动马达(kW)/Arm Motor Drive	1kW	1kW
汤勺驱动马达(kW)/Tablespoon Motor Drive	0.75kW	0.75kW
手臂减速比/Arm reduction ratio	RV40E 1:153	RV40E 1:153
汤勺减速比/Tablespoon reduction ratio	RV20E 1:121	RV20E 1:121
最大给汤量(kg)/Max.loading	4.5kg	6kg
可配汤勺规格/Recommended tablespoon type	0.8kg-4.5kg	4.5kg-6kg
可取汤深度(mm)/Tablespoon Max	350mm	450mm
熔炉可配高度(mm)/Recommended height for smelter	≤1100mm	≤1100mm
熔炉臂可配厚度/Recommended height for smelter arm	≤450mm	≤500mm
运行周期/Cycle time	6.23 (4S以内, 手臂待机位开始下降到注入完汤液) 6.23 (within 4s, the arm standby position starts to descend until the soup is injected)	7.3S (待机位前进注汤到注汤完成后退到待机位) 7.3S (The standby position moves forward and returns to the standby position after completion)
主控电源/Main control power	AC 单项AC220V/50Hz AC Single phase AC220V/50Hz	AC 单项AC220V/50Hz AC Single phase AC220V/50Hz
电源容量(kVA)/Power capacity	0.93kVA	1.12kVA
整机尺寸/Dimension	长*宽*高(1140*680*1490mm) length, width and height(1140*680*1490mm)	长*宽*高(1240*680*1540mm) length, width and height(1240*680*1540mm)
重量(kg)/Weight	220	230

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



底板 安装孔位 BOTTOM PLATE MOUNTING HOLE POSITION



尺寸/size		
	S202B	S402B
A	780	810
B	580	630
C	390	435
D	1110	1220

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产品特点 Product Features

BRTIRSC0603A 是伯朗特针对某些单调、频繁和重复的长时间作业等而开发的一款四轴机器人，其拥有600mm 臂展，最大负载可达 3kg。具有多自由度的灵活性，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：IP40。

精度高：重复定位精度 $\pm 0.02\text{mm}$ 。

BRTIRSC0603A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations. The maximum arm length is 600mm. The maximum load is 3kg. It's flexible with multiple degrees of freedom. Suitable for printing and packaging, metal processing, textile homefurnishing, electronic equipment, and other fields.

The protection grade reaches IP40.

The repeat positioning accuracy is $\pm 0.02\text{mm}$.



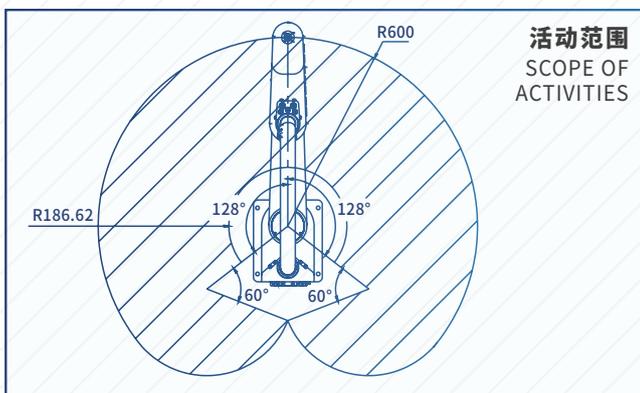
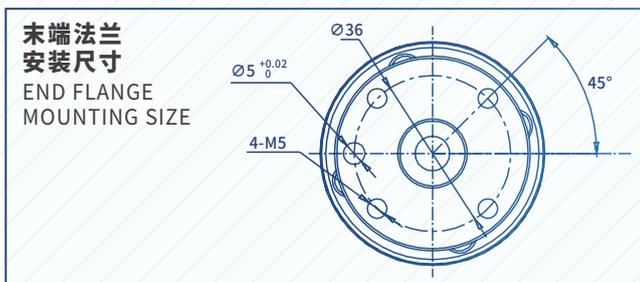
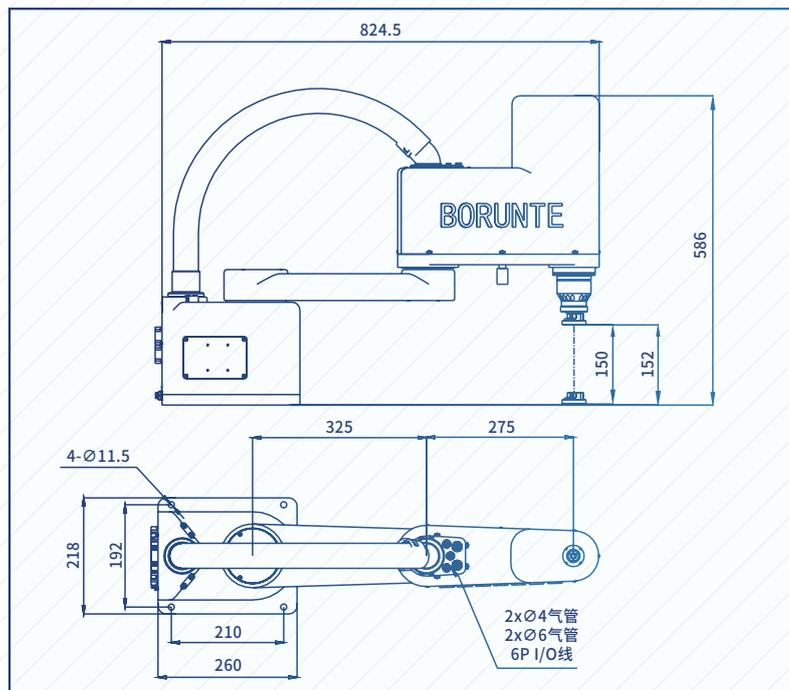
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机型信息



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist	臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4					
BRTIRSC0603A	范围 (°) Range	$\pm 128^\circ$	$\pm 145^\circ$	150mm	$\pm 360^\circ$	600	3	± 0.02	5.62	约28 about 28
	最大速度 (#/s) Max.Speed	480°/s	576°/s	900mm/s	696°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRSC0810A 是伯朗特针对某些单调、频繁和重复的长时间作业等而开发的一款四轴机器人，其拥有 800mm 臂展，最大负载可达 10kg。具有多自由度的灵活性，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：IP40。

精度高：重复定位精度 $\pm 0.05\text{mm}$ 。

BRTIRSC0810A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations. The maximum arm length is 800mm. The maximum load is 10kg. It's flexible with multiple degrees of freedom. Suitable for printing and packaging, metal processing, textile homefurnishing, electronic equipment, and other fields.

The protection grade reaches IP40.

The repeat positioning accuracy is $\pm 0.05\text{mm}$.



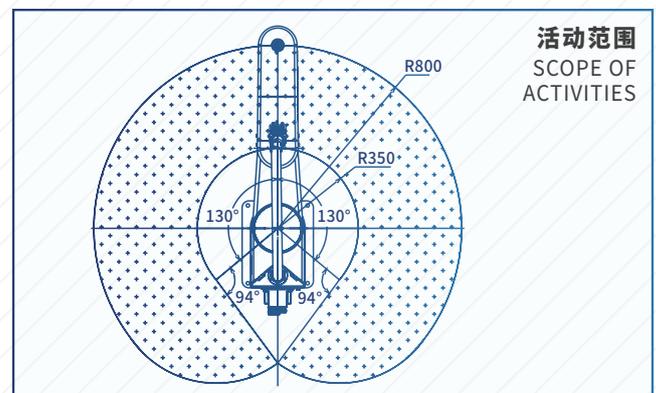
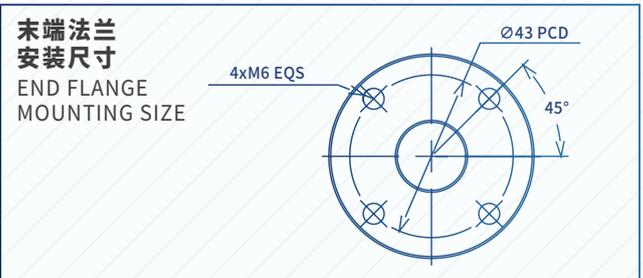
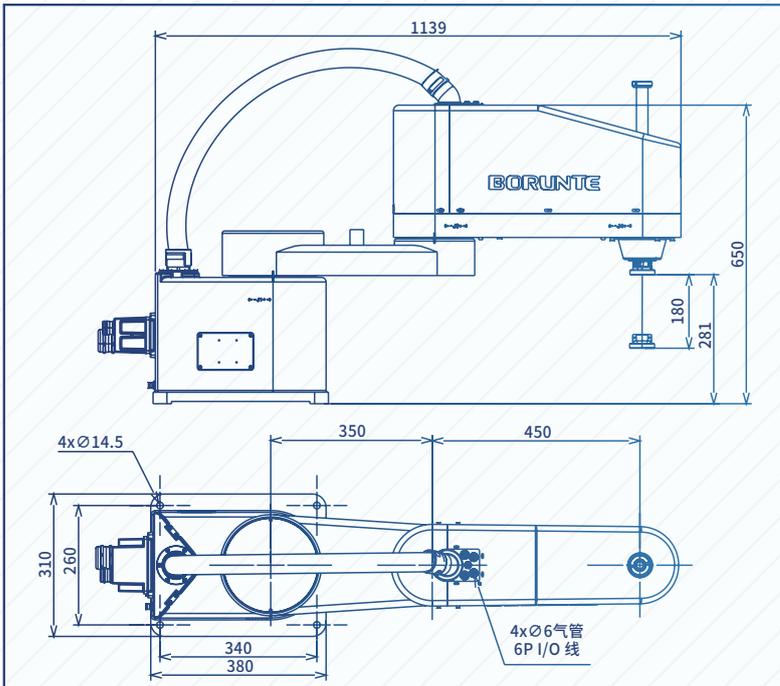
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机型信息



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist	臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4					
BRTIRSC0810A	范围 (#) Range	$\pm 130^\circ$	$\pm 140^\circ$	180mm	$\pm 360^\circ$	800	10	± 0.05	4.3	约 73 about 73
	最大速度 (#/s) Max. Speed	300°/s	473.5°/s	1134mm/s	1875°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPL1003A 是伯朗特首款针对轻小散乱物料的装配、分拣等应用场景开发的四轴机器人，可以搭配视觉，其拥有 1000mm 臂展，最大负载可达 3kg。
防护等级高：IP40。
精度高：重复定位精度 ± 0.1 mm。

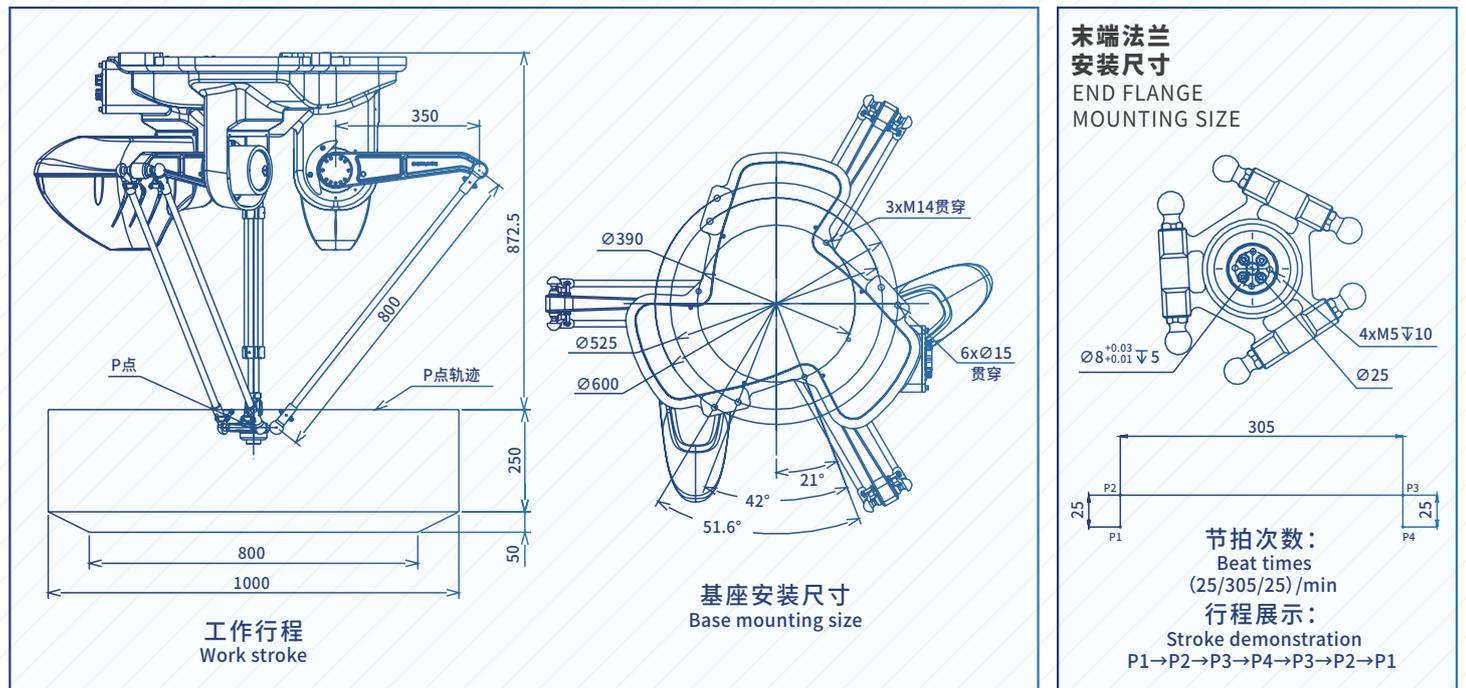
BRTIRPL1003A type robot is a four-axis robot that developed by BORUNTE for assembly, sorting and other application scenarios of light, small and scattered materials. The maximum arm length is 1000mm and the maximum load is 3kg. The protection grade reaches IP40. The repeat positioning accuracy is ± 0.1 mm.



主要规格 Main Specification

机型/Model	项目/Item	主动臂/Master Arm		末端/End	臂展 (mm) Arm Length	负载 (kg) Loading Ability	位置重复定位精度 (mm) location repeated positioning accuracy	角度重复定位精度 (°) Angle repeated positioning accuracy	允许负载最大转动惯量 (kg.m ²) Maximum allowable moment of inertia of load	电源电容 (kVA) Power Source	重量 (kg) Weight
		上摆/Upper	下摆/Hem	J4							
BRTIRPL1003A	范围(°) Range	46.7°	86.6°	$\pm 360^\circ$	1000	3	± 0.1	± 0.5	0.01	3.18	约104 about104
	节拍 (次/min) Rhythm(time/min)	行程:25/305/25 (mm) stroke:25/305/25(mm)		150次/min 150time/min							

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

产品特点 Product Features

BRTIRPL1608A 是伯朗特针对轻小散乱物料的装配、分拣等应用场景开发的四轴机器人，可以搭配视觉，其拥有 1600mm 臂展，最大负载可达 8kg。

防护等级高：IP40。

精度高：重复定位精度 ± 0.1 mm。

BRTIRPL1608A type robot is a four-axis robot that developed by BORUNTE for assembly, sorting and other application scenarios of light, small and scattered materials. The maximum arm length is 1600mm and the maximum load is 8kg.

The protection grade reaches IP40.

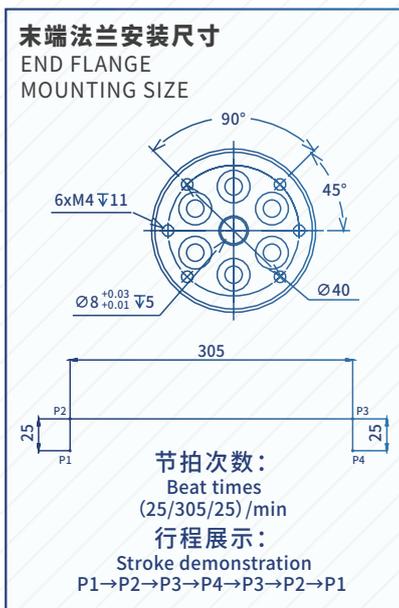
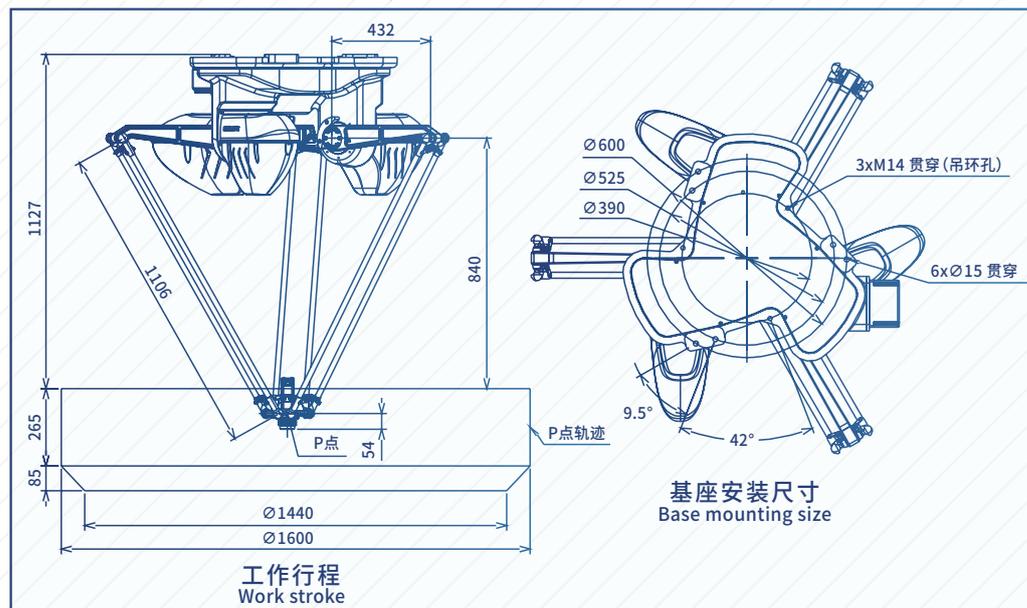
The repeat positioning accuracy is ± 0.1 mm.



主要规格 Main Specification

机型/Model	项目/Item	主动臂/Master Arm		末端/End	臂展(mm) Arm Length	负载(kg) Loading Ability	位置重复定位精度 (mm) location repeated positioning accuracy	角度重复定位精度 (#) Angle repeated positioning accuracy	允许负载最大转动惯量 (kg.m ²) Maximum allowable moment of inertia of load	电源电容(kVA) Power Source	重量(kg) Weight	
		上摆/Upper	下摆/Hem	J4								
BRTIRPL1608A	范围(#) Range	38°	98°	$\pm 360^\circ$	1600	8	± 0.1	± 0.5	0.01	6.36	约95 about 95	
	节拍所带负载(kg) Cyclic loading (kg)	0kg	3kg	5kg								8kg
	节拍(次/min) (行程:25/305/25 (mm)) Rhythm(time/min) (stroke:25/305/25(mm))	150	150	130								115

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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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 1413mm。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。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.05\text{mm}$ 。

BRTIRPZ1508A applies full servo motor drive with fast response and high position accuracy. The maximum load is 8kg, the maximum arm length is 1413mm. 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.

The protection grade reaches IP40.

The repeat positioning accuracy is $\pm 0.05\text{mm}$.

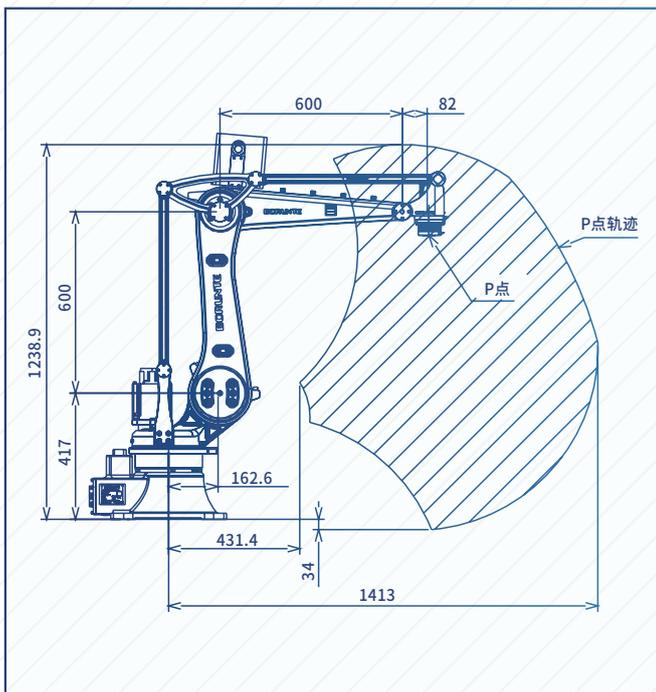


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机型信息

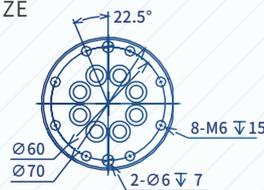
主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	R34					
BRTIRPZ1508A	范围(°) Range	$\pm 160^\circ$	$-68^\circ/+23^\circ$	$-70^\circ/+65^\circ$	$\pm 360^\circ$	/	$60^\circ-165^\circ$	1413	8	± 0.05	3.18	约150 about 150
	最大速度(#/s) Max.speed	219.8#/s	222.2#/s	272.7#/s	412.5#/s	/	/					

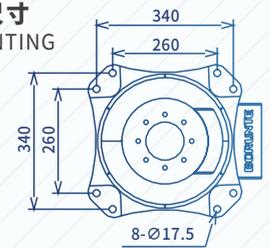
基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



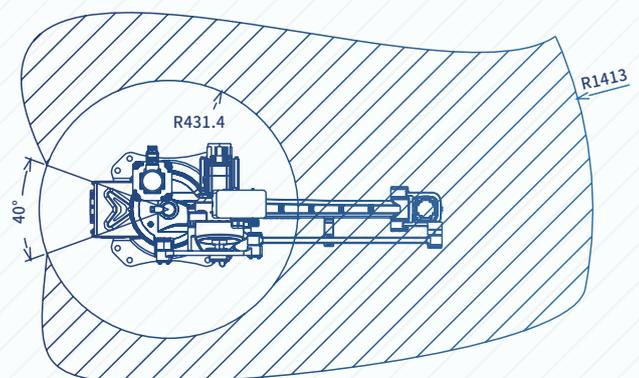
末端法兰安装尺寸
END FLANGE MOUNTING
SIZE



底座安装尺寸
BASE MOUNTING
SIZE



活动范围
SCOPE OF
ACTIVITIES



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产品特点 Product Features

BRTIRPZ1825A 是伯朗特针对某些单调、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四轴机器人，其拥有 1800mm 臂展，最大负载可达 25kg。具有多自由度的灵活性，对上料、搬运、拆垛、码垛等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.08\text{mm}$ 。

BRTIRPZ1825A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 1800mm. The maximum load is 25kg. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, dismantling and stacking etc.

The protection grade reaches IP40.

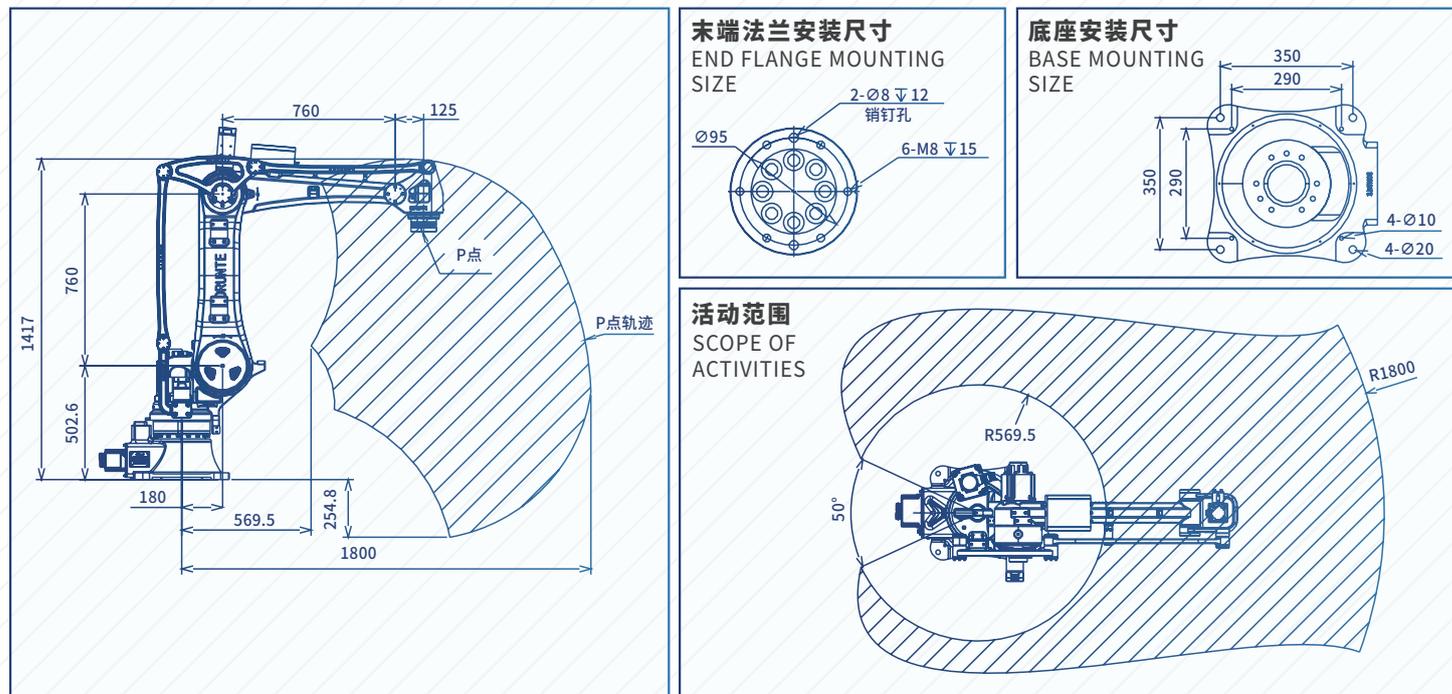
The repeat positioning accuracy is $\pm 0.08\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist		臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	R34					
BRTIRPZ1825A	范围(°) Range	$\pm 155^\circ$	$-78^\circ/+30^\circ$	$-62^\circ/+70^\circ$	$\pm 360^\circ$	$65^\circ-170^\circ$	1800	25	± 0.08	7.33	约256 about 256
	最大速度(°/s) Max.speed	175°/s	135°/s	123°/s	300°/s	/					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS0401A 是伯朗特针对微小型零部件作业环境设计的, 适用于小型零部件组装、分拣、检测等作业, 额定负载 1kg, 臂展 574mm, 在同等级负载的六轴机器人中具有最高水平运行速度和较为广泛的运行范围, 具有高精度、高速度和高灵活性的特点。

防护等级高: IP54, 防尘防水。

精度高: 重复定位精度 $\pm 0.06\text{mm}$ 。

BRTIRUS0401A is designed by BORUNTE. for the operation environment of micro and small parts. It is suitable for small parts assembly, sorting, detection and other operations. The rated load is 1kg, the arm span is 574mm, and it has the highest level of operation speed and a wide range of operation among six-axis robots with the same load. It features high precision, high speed and high flexibility.

The protection grade reaches IP54.

Dust-proof and water-proof.

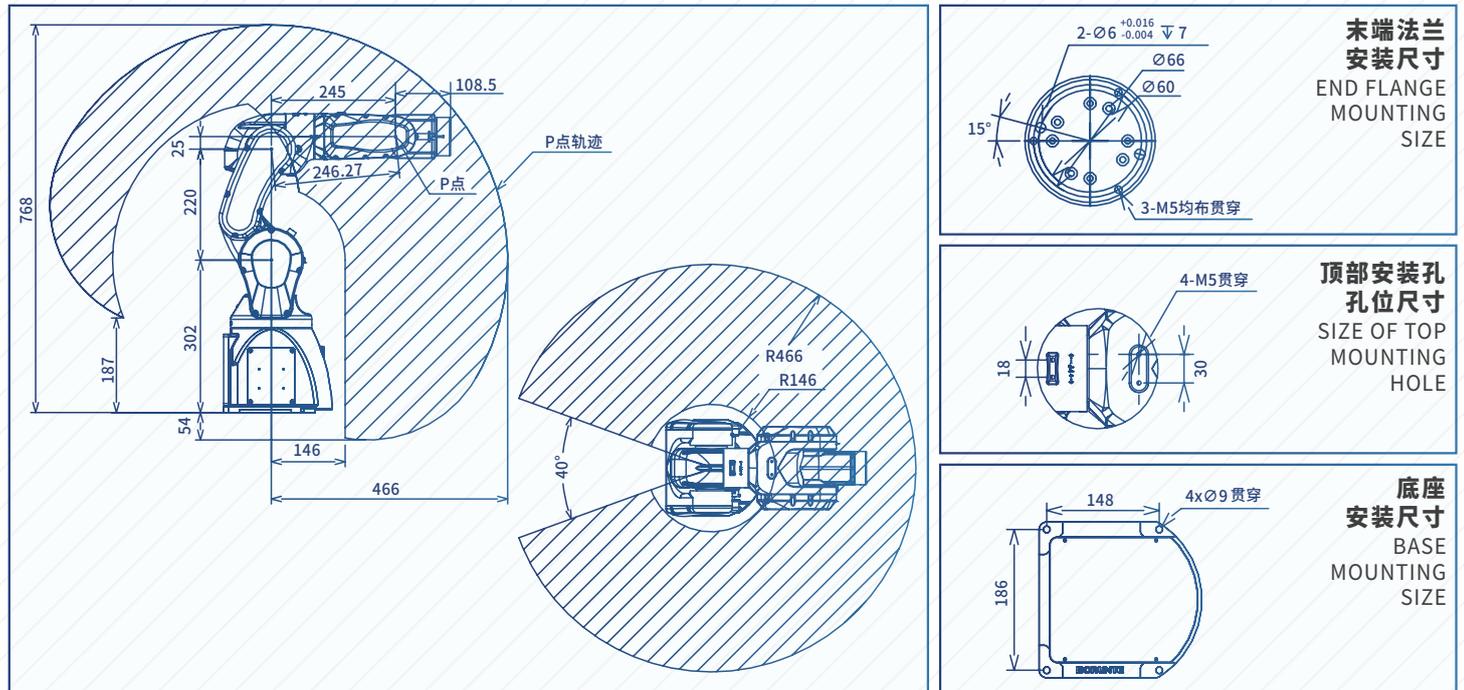
The repeat positioning accuracy is $\pm 0.06\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS0401A	范围(°) Range	$\pm 160^\circ$	$-120^\circ/+60^\circ$	$-60^\circ/+180^\circ$	$\pm 180^\circ$	$\pm 110^\circ$	$\pm 360^\circ$	574	1	± 0.06	2.03	约21 about 21
	最大速度(°/s) Max.speed	324°/s	297°/s	337°/s	562°/s	600°/s	600°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS0805A 型机器人是伯朗特开发的一款六轴机器人，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。

防护等级高：手腕 IP54、本体 IP40。

精度高：重复定位精度 $\pm 0.05\text{mm}$ 。

BRTIRUS0805A type robot is a Six-axis robot that developed by BORUNTE. The whole operation system is simple, compact structure, high position accuracy and has good dynamic performance. The load ability is 5kg, especially suitable for injection molding, taking, stamping, handling, loading and unloading, assembly, etc. It is suitable for injection molding machine range from 30T-250T.

The protection grade reaches IP54 at the wrist and IP40 at the body.

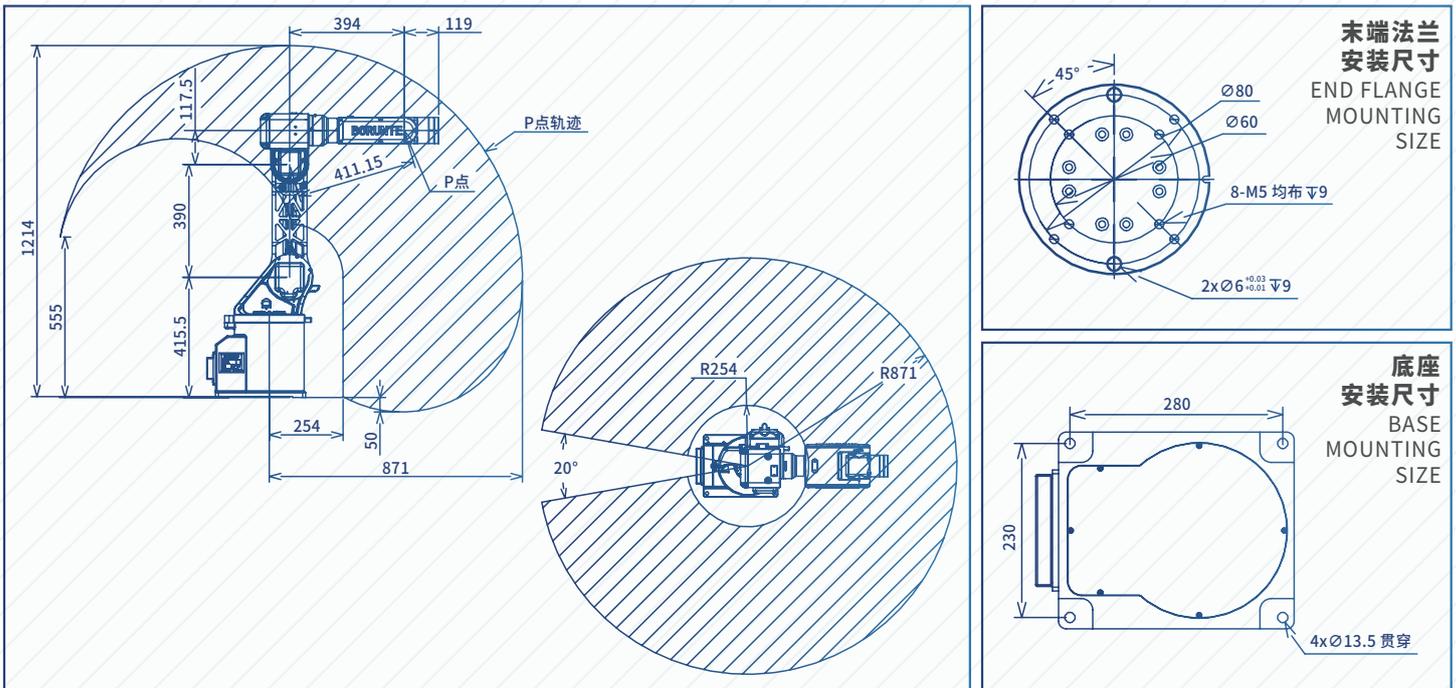
The repeat positioning accuracy is $\pm 0.05\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS0805A	范围(°) Range	$\pm 170^\circ$	$-98^\circ/+80^\circ$	$-80^\circ/+95^\circ$	$\pm 180^\circ$	$\pm 120^\circ$	$\pm 360^\circ$	990	5	± 0.05	3.67	约53 about 53
	最大速度(°/s) Max.speed	237°/s	267°/s	370°/s	337°/s	600°/s	588°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

产品特点 Product Features

BRTIRUS0707A 是伯朗特针对某些单调、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机器人,其拥有 883mm 臂展,最大负载可达 7kg。具有多自由度的灵活性,对打磨、装配、喷涂等场景能够应对自如。

防护等级高: IP65, 防尘防水。

精度高: 重复定位精度 $\pm 0.03\text{mm}$ 。

BRTIRUS0707A type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 883mm. The maximum load is 7kg. It's flexible with multiple degrees of freedom. Suitable for polishing, assembling, painting, etc. The protection grade reaches IP65.

Dust-proof and water-proof.

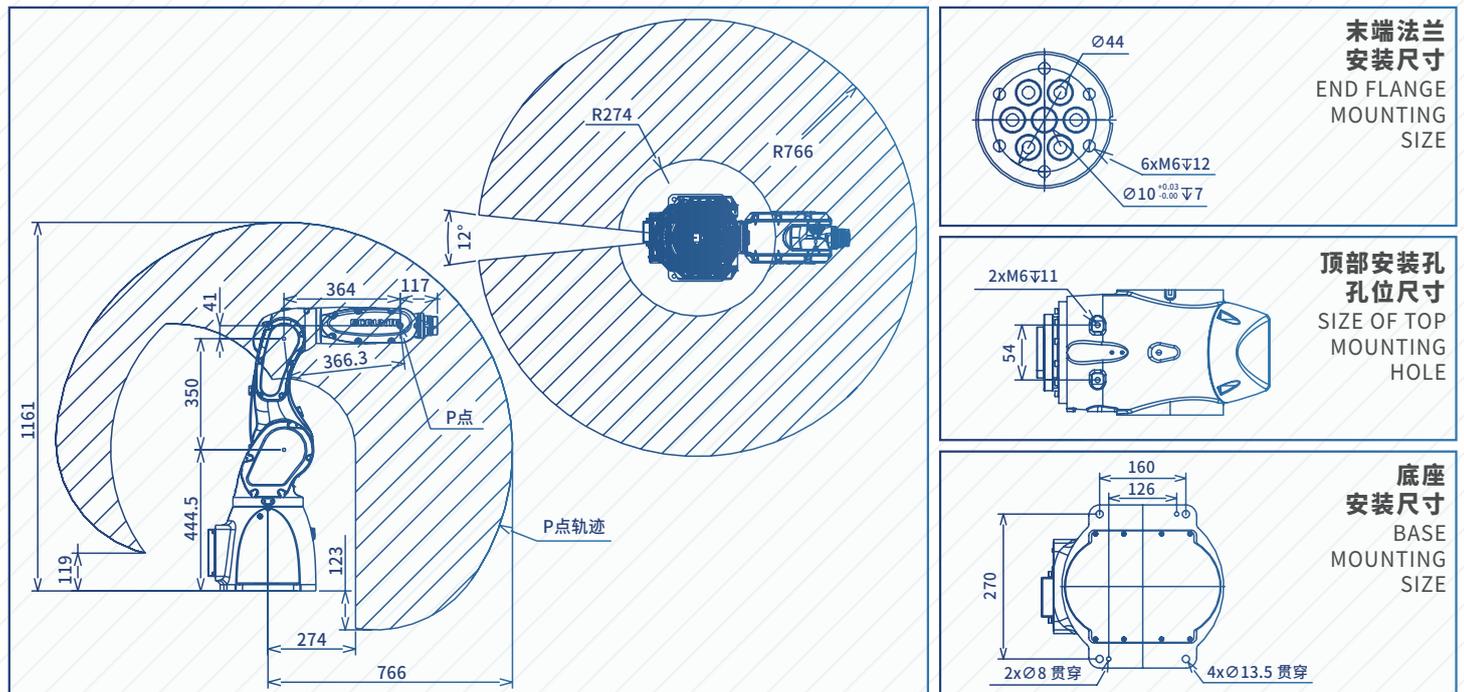
The repeat positioning accuracy is $\pm 0.03\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS0707A	范围(°) Range	$\pm 174^\circ$	$-125^\circ/+85^\circ$	$-60^\circ/+165^\circ$	$\pm 180^\circ$	$\pm 120^\circ$	$\pm 360^\circ$	883	7	± 0.03	2.93	约55 about 55
	最大速度(°/s) Max.speed	220.8°/s	270°/s	375°/s	308°/s	300°/s	342°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS1510A 是伯朗特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 1587mm 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。具有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。操作简单—采用华成控制系统。适用于注塑机: 200T-600T。
防护等级高: 手腕 IP54、本体 IP40。
精度高: 重复定位精度 $\pm 0.05\text{mm}$ 。

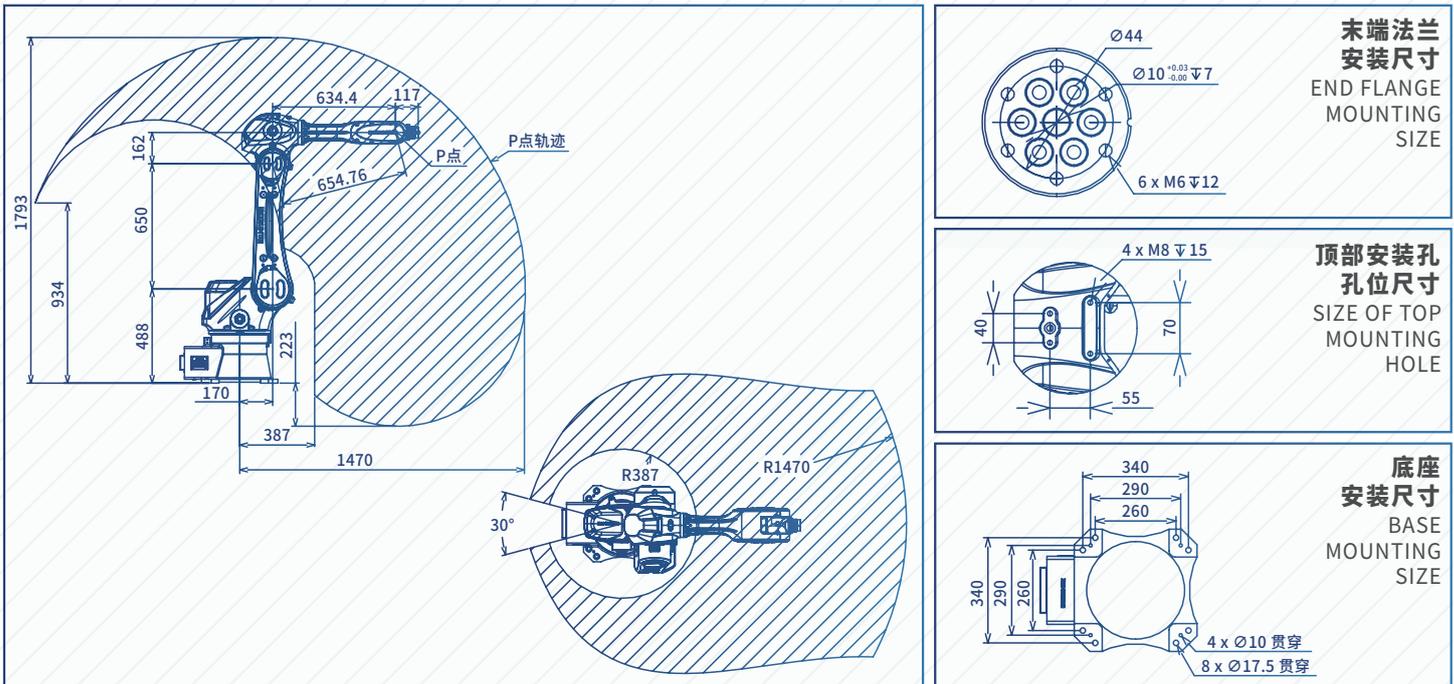
BRTIRUS1510A is a six-axis robot developed by BORUNTE. for complex applications with multiple degrees of freedom. The maximum load is 10kg, the maximum arm length is 1587mm. Lightweight arm design, compact and simple mechanical structure, in the state of high speed movement, can be carried out in a small workspace flexible work, meet the needs of flexible production. It has six degrees of flexibility. Suitable for painting, welding, molding, stamping, forging, handling, loading, assembling, etc. It adopts HC control system. It is suitable for injection molding machine range from 200T-600T. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.05\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS1510A	范围(°) Range	$\pm 165^\circ$	$-95/+70^\circ$	$-85/+75^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$	1587	10	± 0.05	5.06	152
	最大速度(°/s) Max. speed	190°/s	173°/s	223°/s	254°/s	270°/s	342°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRWD1506A 是伯朗特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 1647mm。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 $\pm 0.05\text{mm}$ 。

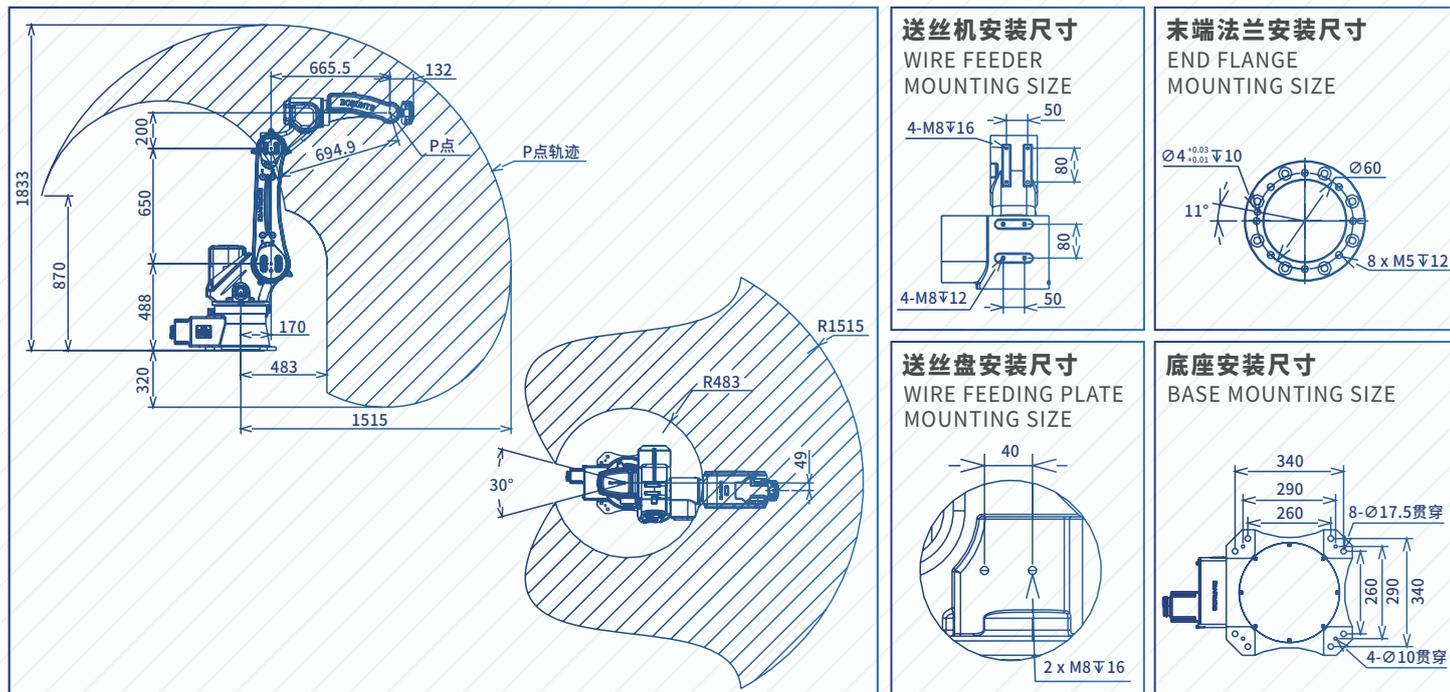
BRTIRWD1506A six-axis industrial robot is BORUNTE designed for the development of the welding application industry. The robot has compact structure, small volume and light weight. The maximum load is 6kg, the maximum arm length is 1647mm. The wrist applies hollow structure with more convenient trace and flexible action.
The protection grade reaches IP54.
Dust-proof and water-proof.
The repeat positioning accuracy is $\pm 0.05\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRWD1506A	范围(°) Range	$\pm 165^\circ$	$-100^\circ/+70^\circ$	$\pm 80^\circ$	$\pm 150^\circ$	$\pm 110^\circ$	$\pm 360^\circ$	1647	6	± 0.05	4.64	约166 about 166
	最大速度(°/s) Max.speed	163°/s	149°/s	223°/s	169°/s	270°/s	398°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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BRTIRUS1820A

六轴机器人
Six-axis Robot

产品特点 Product Features

BRTIRUS1820A 是伯朗特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 1895mm 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。具有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。适用于注塑机: 500T-1300T。

防护等级高:手腕 IP54、本体 IP40。

精度高:重复定位精度 $\pm 0.05\text{mm}$ 。

BRTIRUS1820A is a six-axis robot developed by BORUNTE for complex applications with multiple degrees of freedom. The maximum load is 20kg, the maximum arm length is 1895mm. Lightweight arm design, compact and simple mechanical structure, in the state of high speed movement, can be carried out in a small workspace flexible work, meet the needs of flexible production. It has six degrees of flexibility. Suitable for loading and unloading, injection machine, die casting, assembling, coating industry, polishing, detection etc. It is suitable for injection molding machine range from 500T-1300T.

The protection grade reaches IP54 at the wrist and IP40 at the body.

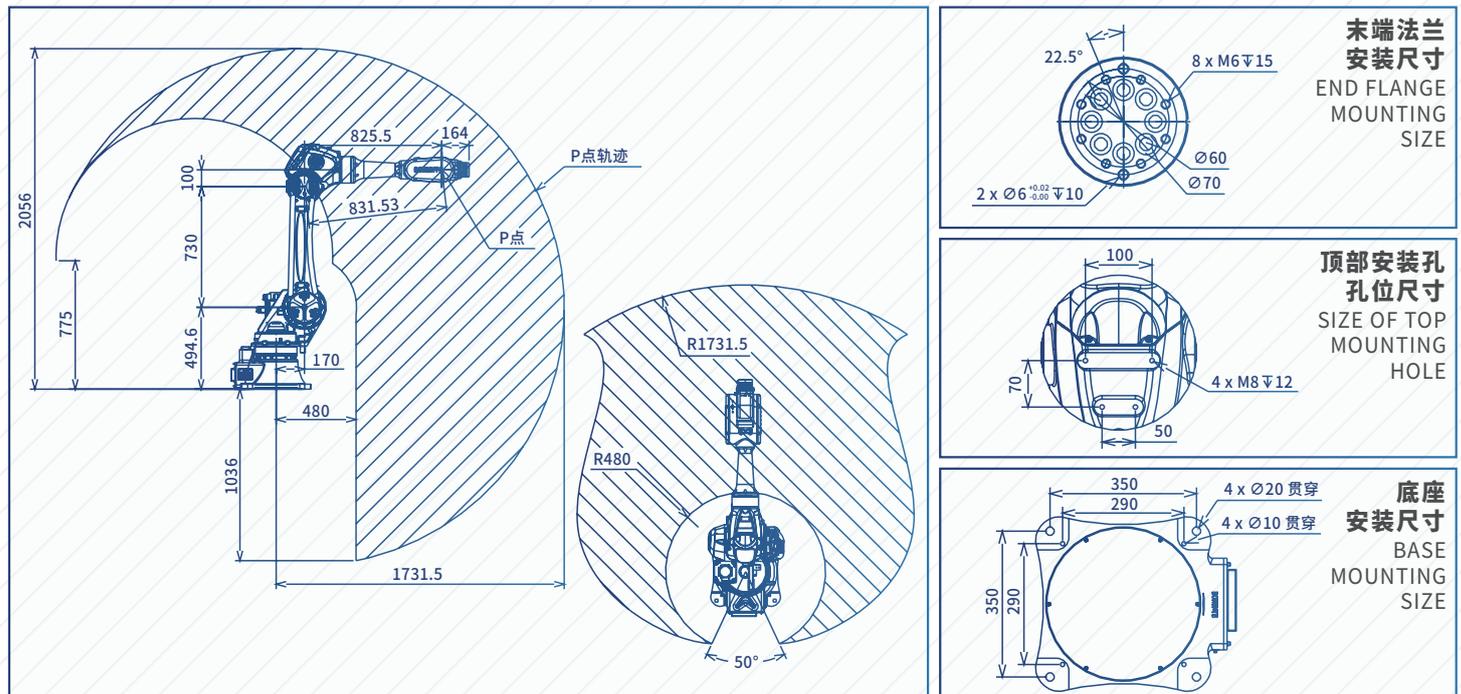
The repeat positioning accuracy is $\pm 0.05\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS1820A	范围(°) Range	$\pm 155^\circ$	$-140^\circ/+65^\circ$	$-75^\circ/+110^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$	1895	20	± 0.05	5.87	约230 about 230
	最大速度(°/s) Max. speed	110°/s	146°/s	134°/s	273°/s	240°/s	375°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRWD2206A 是一款针对焊接应用行业开发的六轴机器人。机器人的外形结构紧凑，体积小、重量轻、其最大负载 6kg，臂展 2280mm。腕部采用中空结构，走线更方便、动作更灵活。

防护等级高：手腕 IP54、本体 IP40。

精度高：重复定位精度 $\pm 0.08\text{mm}$ 。

BRTIRWD2206A six-axis robot is developed for welding application industry. The robot is compact in shape, small in size and light in weight. Its maximum load is 6kg and its arm span is 2280mm. Wrist hollow structure, more convenient line, more flexible action.

The protection grade reaches IP54 at the wrist and IP40 at the body.

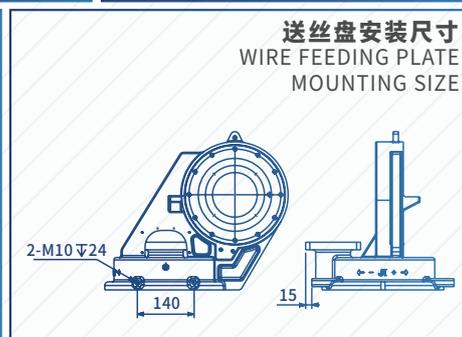
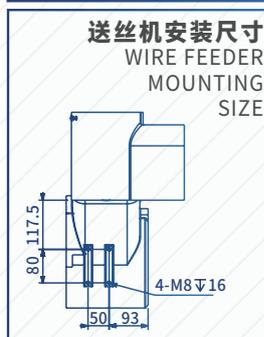
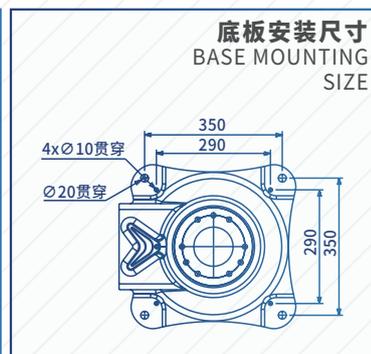
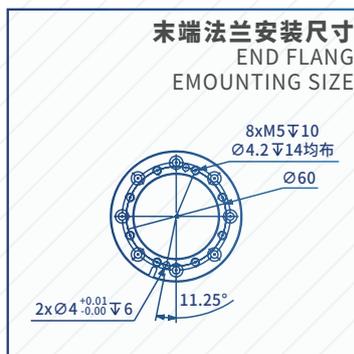
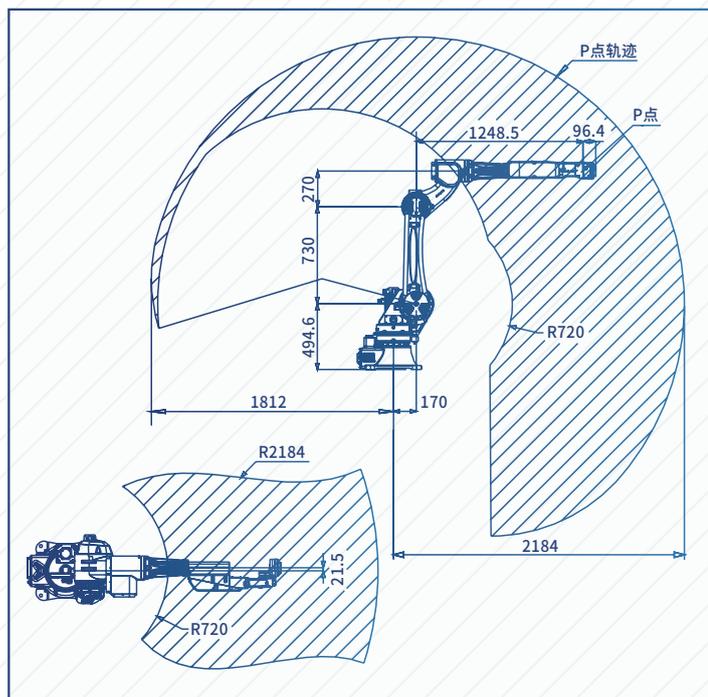
The repeat positioning accuracy is $\pm 0.08\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRWD2206A	范围(°) Range	$\pm 155^\circ$	$-130/+68^\circ$	$-75/+110^\circ$	$\pm 153^\circ$	$-130/+120^\circ$	$\pm 360^\circ$	2280	6	± 0.08	5.38	167
	最大速度(°/s) Max.speed	106°/s	135°/s	128°/s	168°/s	324°/s	504°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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。

No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

产品特点 Product Features

BRTIRUS2110A 是伯朗特针对多自由度的复杂应用而开发的六轴机器人。其拥有 2131mm 长臂展，最大负载可达 10kg。具有六个自由度的灵活性，对焊接、上下料、装配等场景能够应对自如。

防护等级高：手腕 IP54、本体 IP40。

精度高：重复定位精度 $\pm 0.05\text{mm}$ 。

BRTIRUS2110A is a six-axis robot developed by BORUNTE for complex applications with multiple degrees of freedom. The maximum arm length is 2131mm. The maximum load is 10kg. It has six degrees of flexibility. Suitable for welding, loading and unloading, assembling etc.

The protection grade reaches IP54 at the wrist and IP40 at the body.

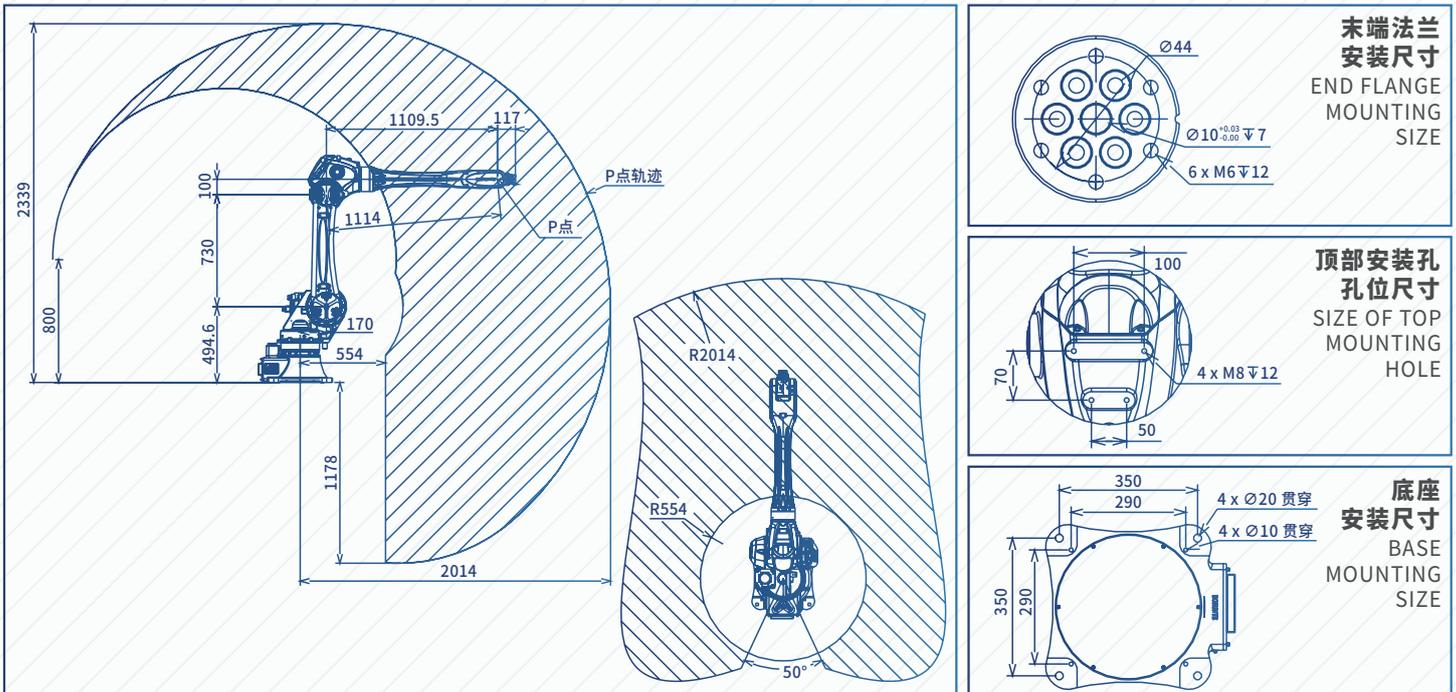
The repeat positioning accuracy is $\pm 0.05\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2110A	范围(°) Range	$\pm 155^\circ$	$-140^\circ/+65^\circ$	$-75^\circ/+110^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$	2131	10	± 0.05	6.48	约230 about 230
	最大速度(°/s) Max.speed	110°/s	146°/s	134°/s	273°/s	300°/s	342°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRSE2013A 是伯朗特针对喷涂应用行业开发的六轴机器人，其拥有 2134mm 超长臂展，最大负载可达 13kg。该款机器人结构紧凑、高度灵活和技术先进，可以应用于广泛的喷涂行业、配件搬运领域。

防护等级高：IP65，防尘，防水。

精度高：重复定位精度 $\pm 0.5\text{mm}$ 。

BRTIRSE2013A is a six-axis robot developed by BO-RUNTE ROBOT CO., LTD for the spraying applications industry. It has an ultra-long arm span of 2134mm and a maximum load of 13kg. It has a compact structure, is highly flexible and technologically advanced, it can be applied to a wide range of spraying industry and accessories handling field.

The protection grade reaches IP65.

Dust-proof and water-proof.

The repeat positioning accuracy is $\pm 0.5\text{mm}$.

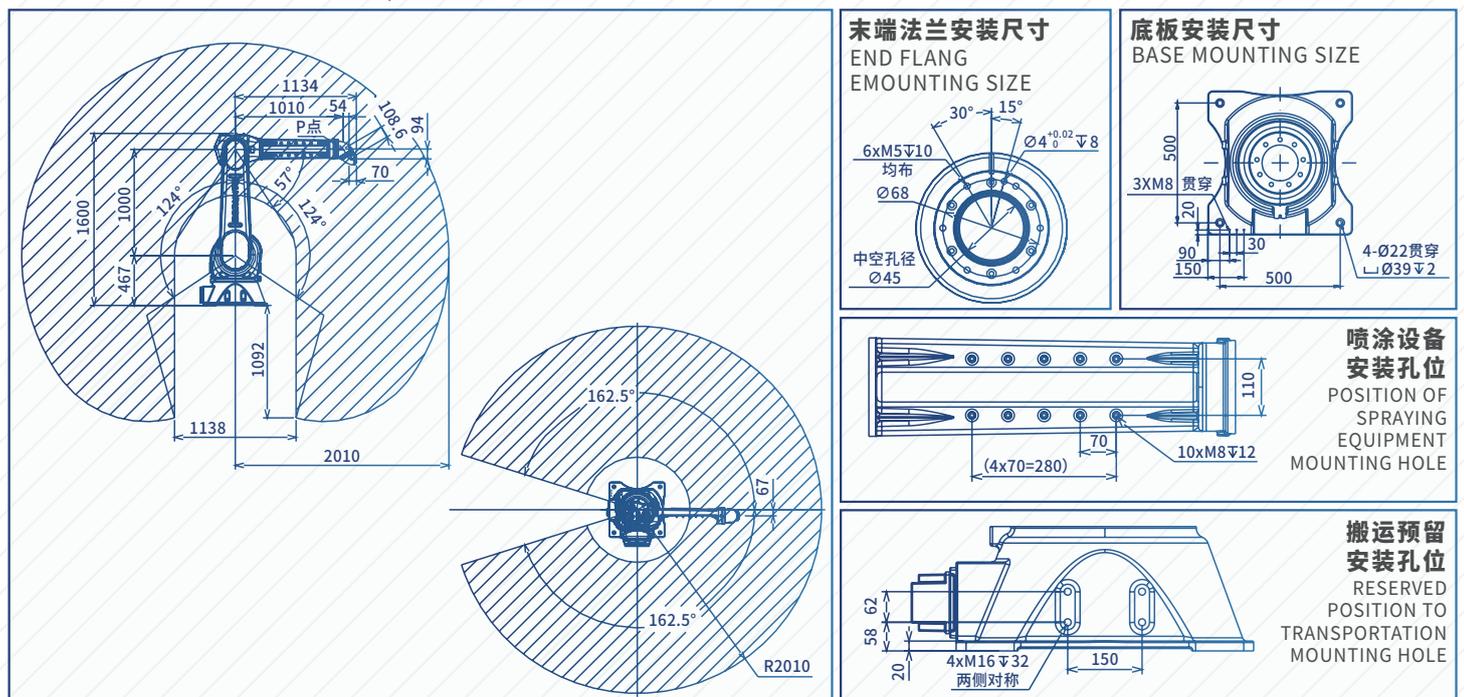


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主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRSE2013A	范围(°) Range	$\pm 162.5^\circ$	$\pm 124^\circ$	$-57^\circ/+237^\circ$	$\pm 180^\circ$	$\pm 180^\circ$	$\pm 360^\circ$	2134	13	± 0.5	6.38	385
	最大速度(°/s) Max.speed	101.4°/s	105.6°/s	130.49°/s	368.4°/s	415.38°/s	545.45°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS2030A 是伯朗特针对多自由度复杂应用而开发的六轴机器人。其最大负载可达 30kg，拥有 2068mm 臂展，六自由度的灵活性对注塑件取件、机床上下料、装配、搬运等场景能够应对自如。防护等级高：手腕 IP54、本体 IP40。精度高：重复定位精度 $\pm 0.08\text{mm}$ 。

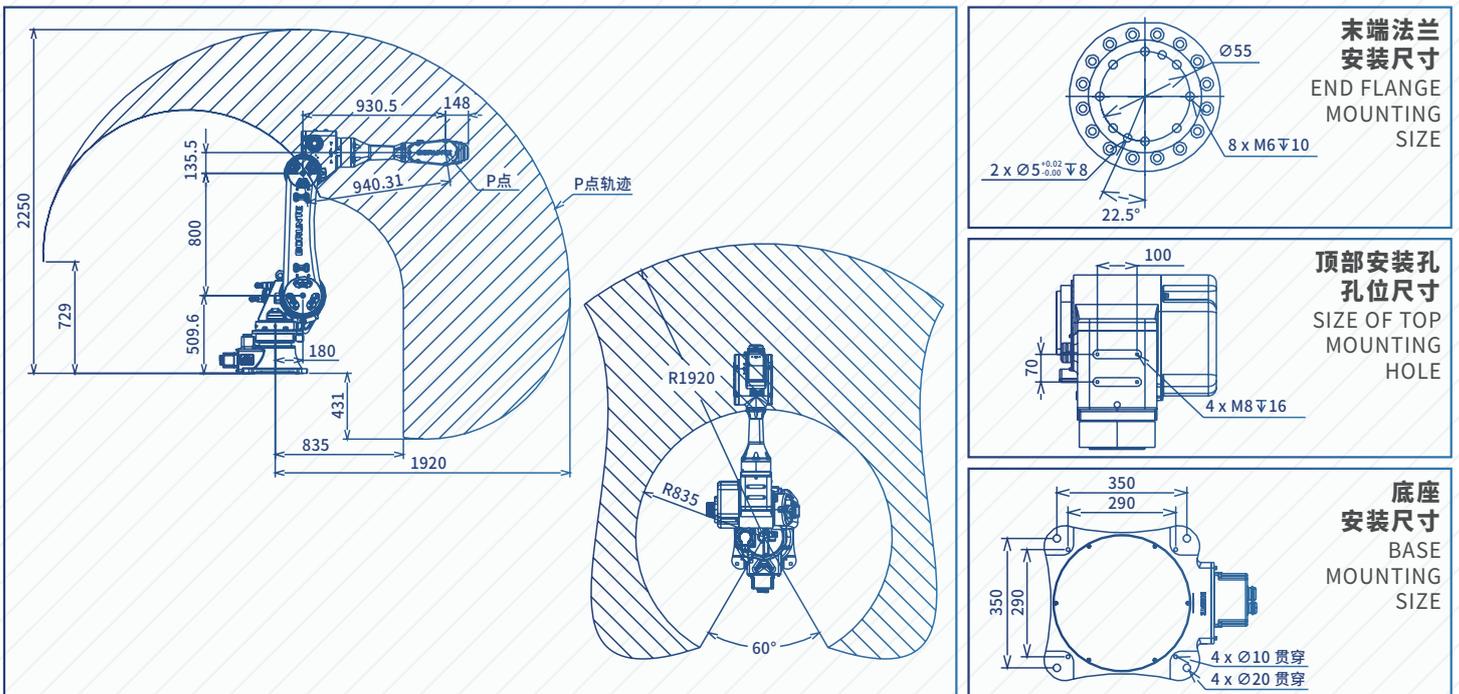
BRTIRUS2030A is a six-axis robot developed by BORUNTE for complex applications with multiple degrees of freedom. The maximum load is 30kg and the maximum arm length is 2068mm. The flexibility of six degrees of freedom can be used to handle the scenes such as injection parts taking, machine loading and unloading, assembly and handling. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.08\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2030A	范围(°) Range	$\pm 150^\circ$	$-90^\circ/+70^\circ$	$-55^\circ/+105^\circ$	$\pm 180^\circ$	$\pm 115^\circ$	$\pm 360^\circ$	2068	30	± 0.08	6.11	约310 about 310
	最大速度(°/s) Max.speed	102°/s	103°/s	123°/s	245°/s	270°/s	337°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRXZ0805A 是伯朗特自主研发的一款带拖动示教功能的六轴协作机器人，其最大负载为 5kg，最大臂展可达 931.5mm。具有碰撞检测、轨迹复现等功能。同时具有安全高效、智能易用、灵活轻巧、经济可靠和低功耗等特点，大大满足客户对人机协作方面的需求。其高灵敏性和快响应性可适用于高密度的柔性化生产线，满足产品包装、注塑、上下料、装配等作业需要，尤其对协同作业的应用需求，更是出类拔萃。

防护等级高：IP50，防尘。

精度高：重复定位精度 $\pm 0.05\text{mm}$ 。

BRTIRXZ0805A is a six-axis cooperative robot with drag-teaching function independently developed by BORUNTE. with a maximum load of 5kg and a maximum arm length of 931.5mm. It has the functions of collision detection and track reproduction. It is safe and efficient, intelligent and easy to use, flexible and light, economical and reliable, low power consumption and other characteristics, which greatly meet the needs in man-machine cooperation. Its high sensitivity and quick response can be applied to high density flexible production line, to meet the needs of product packaging, injection molding, loading and unloading, assembly and other operations, especially for man-machine collaborative work application demand.

The protection grade reaches IP50, Dust-proof.

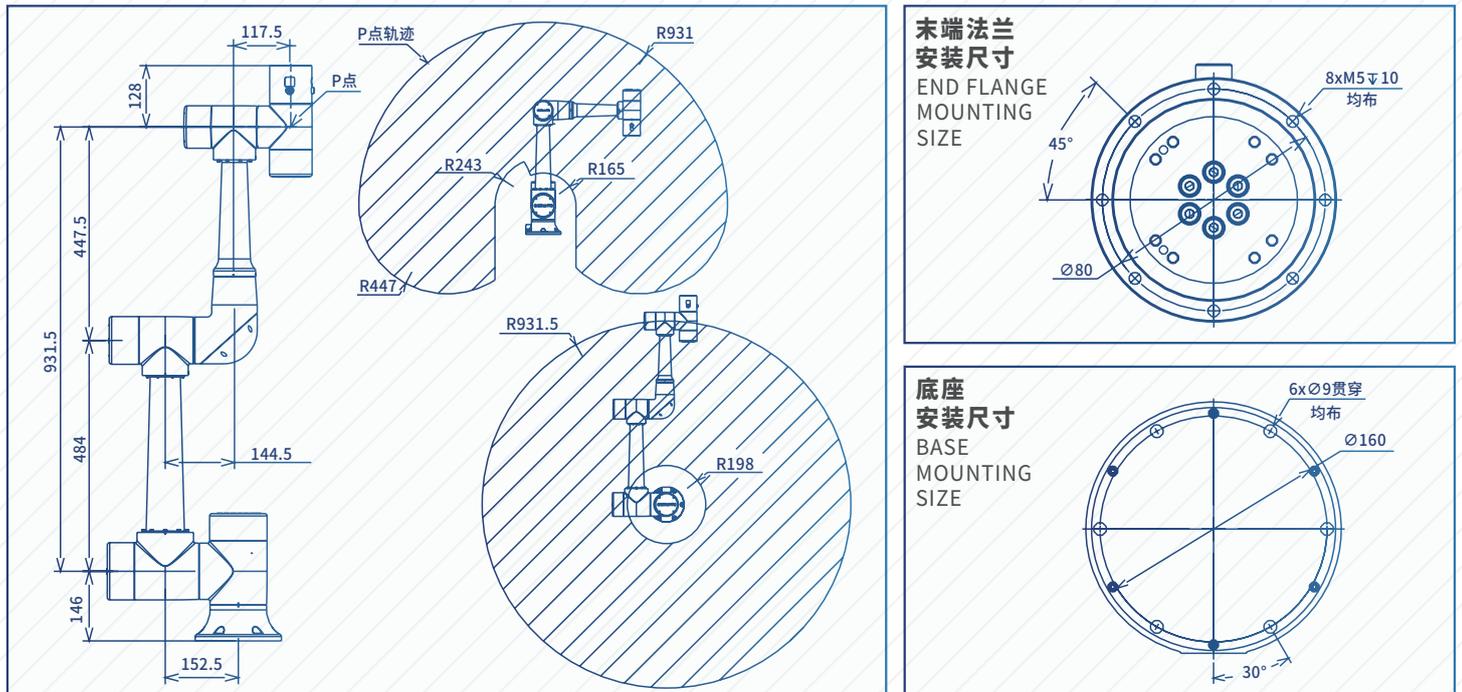
The repeat positioning accuracy is $\pm 0.05\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRXZ0805A	范围(°) Range	$\pm 180^\circ$	$\pm 90^\circ$	$-70^\circ \sim +240^\circ$	$\pm 180^\circ$	$\pm 180^\circ$	$\pm 360^\circ$	931.5	5	± 0.05	0.76	约28 about 28
	最大速度(°/s) Max. speed	180°/s	180°/s	180°/s	180°/s	180°/s	180°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRSE2013F 六轴机器人是一款防爆喷涂机器人，其拥有 2134mm 超长臂展，最大负载可达 13kg。机器人的外形结构紧凑，各关节均安装了高精度减速机，高速的关节速度能进行灵活的作业，可以进行搬运、码垛、装配、注塑等作业，拥有灵活的安装方式。

防护等级高— IP65, 防尘, 防水。

精度高—重复定位精度 $\pm 0.5\text{mm}$ 。

The six-axis robot BRTIRSE2013F is an explosion-proof spraying robot with a 2134 mm super long arm span and a maximum load of 13kg. The shape of the robot is compact, and each joint is installed with a high-precision reducer, and the high-speed joint speed can carry out flexible operation, it can be applied to a wide range of spraying dust industry and accessories handling field.

The protection grade reaches IP65. Dust-proof and water-proof.

The repeat positioning accuracy is $\pm 0.5\text{mm}$.



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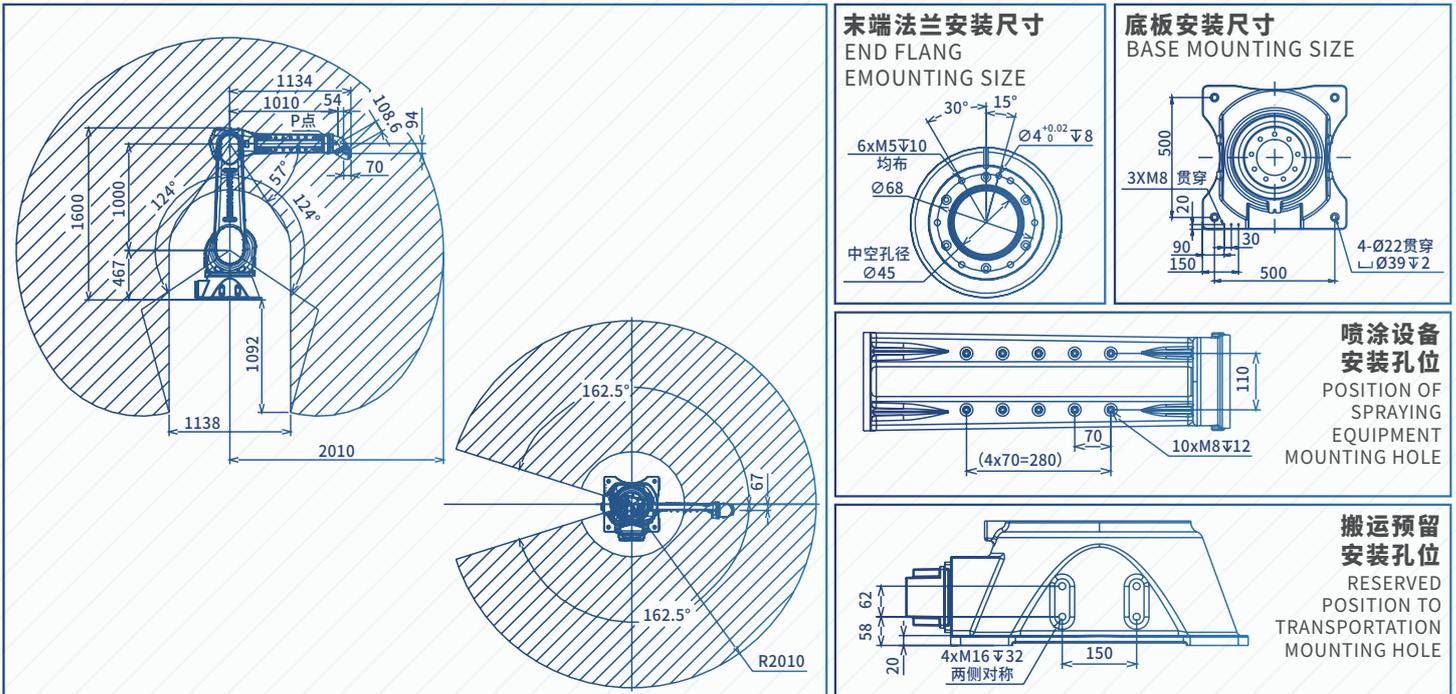
含配套气阀箱
及防爆控制柜

Including: matched air valve box
and explosion-proof control cabinet

主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRSE2013F	范围(°) Range	$\pm 162.5^\circ$	$\pm 124^\circ$	$-57^\circ/+237^\circ$	$\pm 180^\circ$	$\pm 180^\circ$	$\pm 360^\circ$	2134	13	± 0.5	6.38	385
	最大速度(°/s) Max.speed	101.4°/s	105.6°/s	130.49°/s	368.4°/s	415.38°/s	545.45°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS3030A 型机器人是伯朗特开发的一款六轴机器人,机器人的外形结构紧凑,各关节均安装了高精度减速机,高速的关节速度能进行灵活的作业,可以进行搬运、码垛、装配、注塑等作业,拥有灵活的安装方式。

防护等级高:手腕 IP54、本体 IP40。

精度高:重复定位精度 $\pm 0.07\text{mm}$ 。

BRTIRUS3030A type robot is a Six-axis robot that developed by BORUNTE. The robot has a compact shape and structure, each joint is installed with a high precision reducer, high speed joint speed can be flexible operation, can carry out handling, palletizing, assembly, injection molding and other operations, has a flexible installation mode.

The protection grade reaches IP54 at the wrist and IP40 at the body.

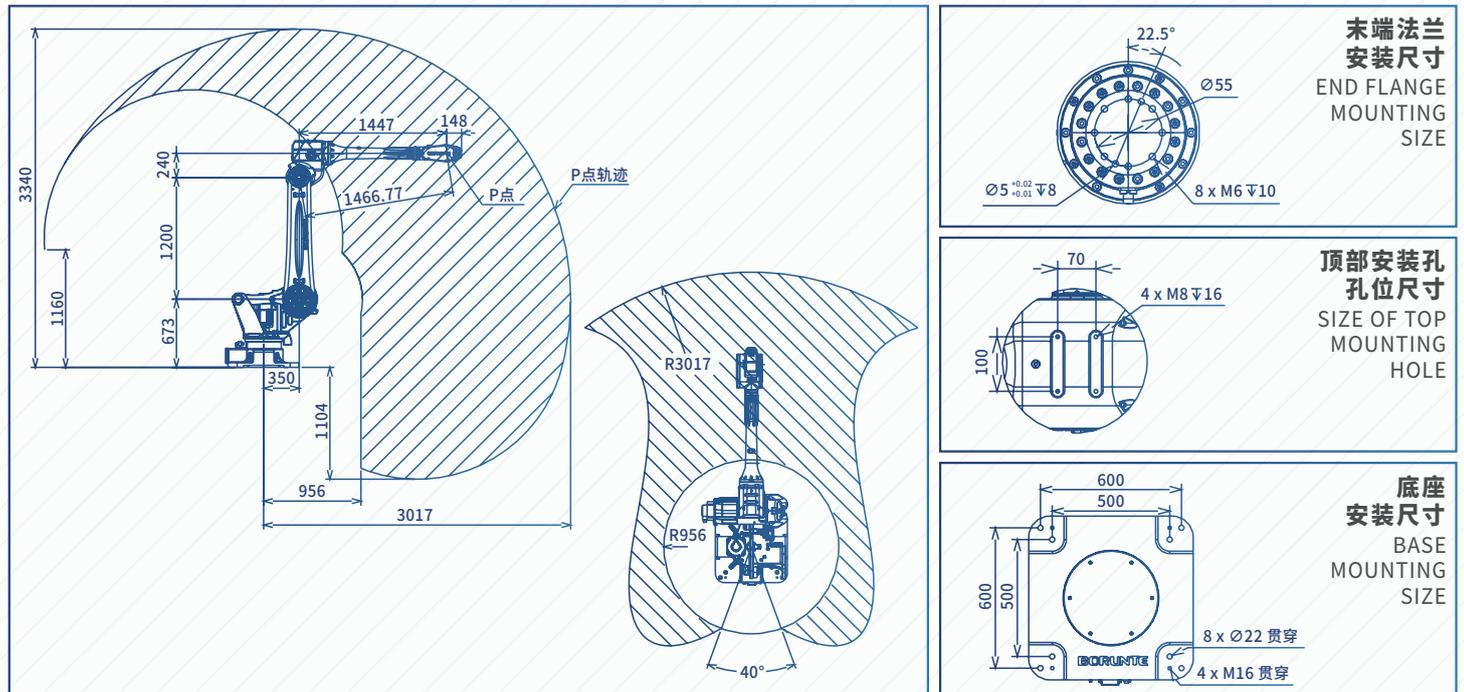
The repeat positioning accuracy is $\pm 0.07\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS3030A	范围(°) Range	$\pm 160^\circ$	$-105^\circ/+60^\circ$	$-75^\circ/+115^\circ$	$\pm 180^\circ$	$\pm 120^\circ$	$\pm 360^\circ$	3165	30	± 0.07	5.07	738
	最大速度(°/s) Max. speed	89°/s	85°/s	88°/s	245°/s	270°/s	337°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS2550A 是伯朗特针对多自由度的复杂应用而开发的一款六轴机器人，其拥有 2563mm 超长臂展，最大负载可达 50kg。具有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：手腕 IP54、本体 IP40。精度高：重复定位精度 $\pm 0.1\text{mm}$ 。

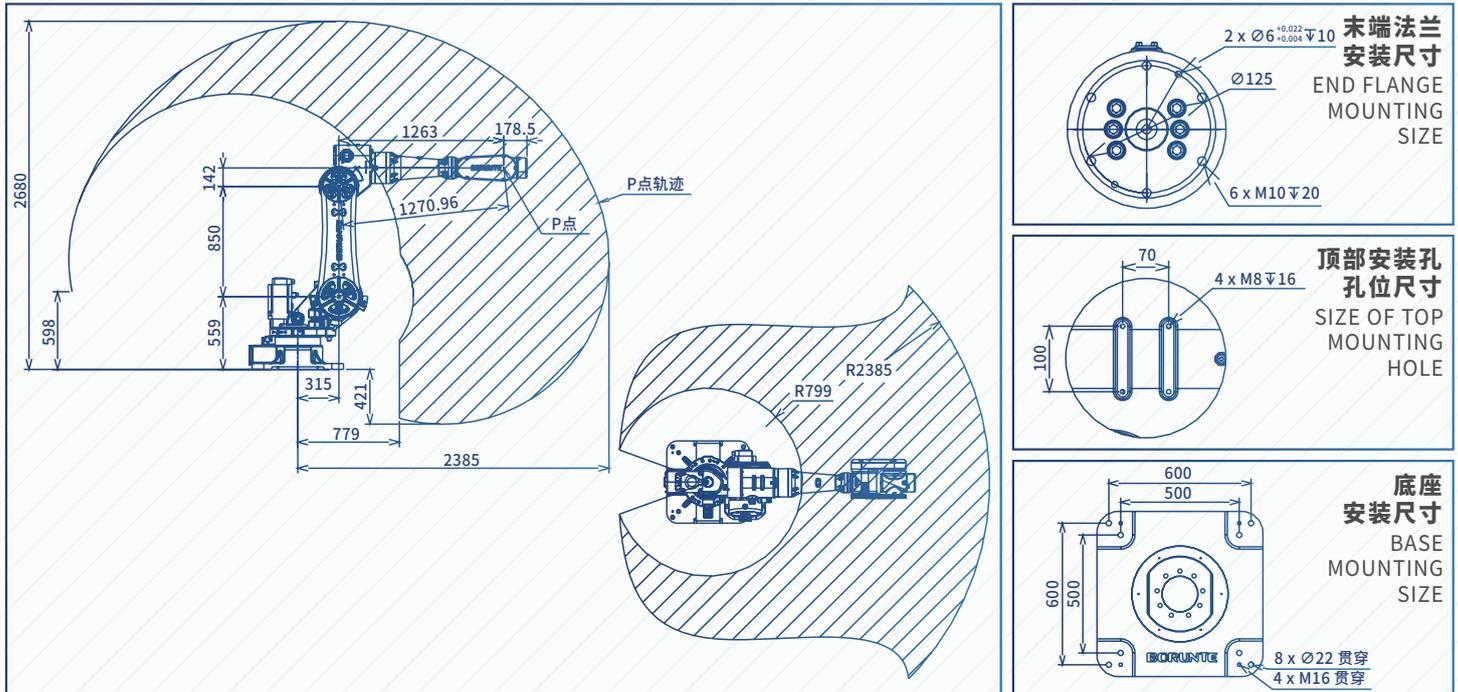
BRTIRUS2550A type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 2563mm. The maximum load is 50kg. It has six degrees of flexibility. Suitable for loading and unloading, assembling, molding, stacking etc. The protection grade reaches IP54 at the wrist and IP40 at the body. The repeat positioning accuracy is $\pm 0.1\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2550A	范围(°) Range	$\pm 160^\circ$	$\pm 70^\circ$	$-75^\circ/+115^\circ$	$\pm 180^\circ$	$\pm 125^\circ$	$\pm 360^\circ$	2563	50	± 0.1	8.87	约725 about 725
	最大速度(°/s) Max. speed	84°/s	52°/s	52°/s	245°/s	223°/s	223°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPZ2480A 是伯朗特针对某些单调、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四轴机器人，其拥有 2412mm 臂展，最大负载可达 80kg。具有多自由度的灵活性，对上下料、搬运、拆垛、码垛等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.2\text{mm}$ 。

BRTIRPZ2480A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 2412mm. The maximum load is 80kg. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, dismantling and stacking etc.

The protection grade reaches IP40.

The repeat positioning accuracy is $\pm 0.2\text{mm}$.

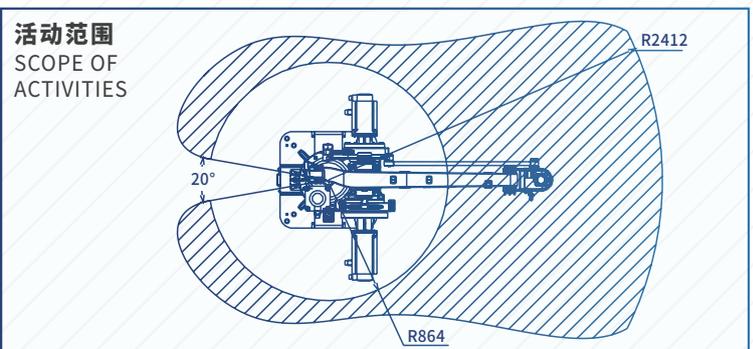
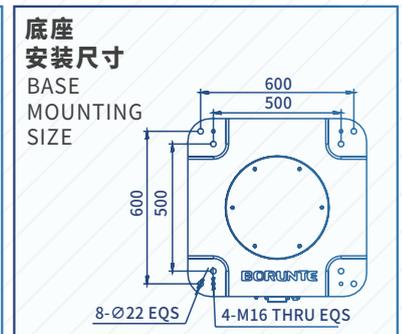
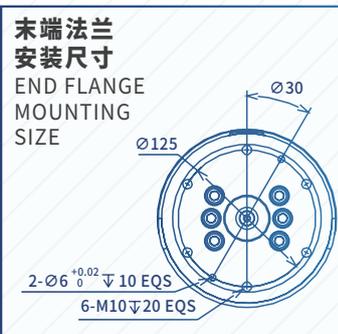
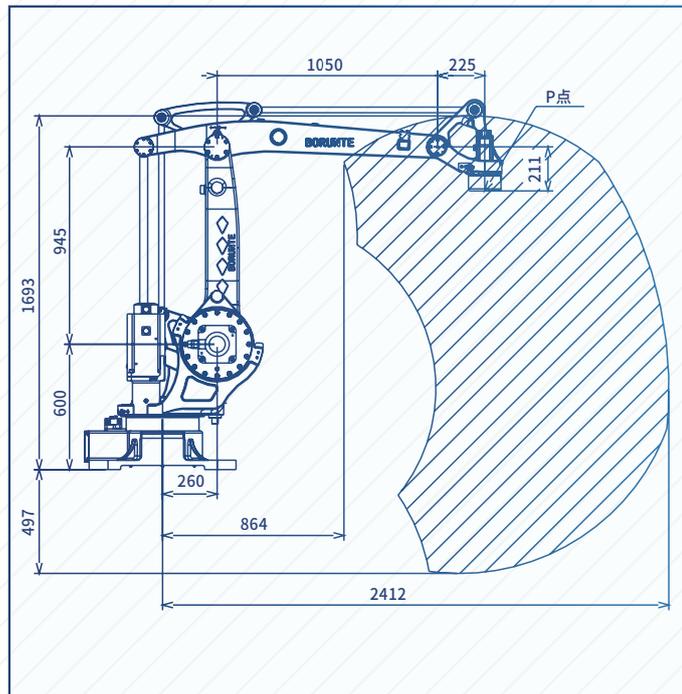


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主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist		臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	R34					
BRTIRPZ2480A	范围(°) Range	$\pm 160^\circ$	$-80^\circ/+40^\circ$	$-42^\circ/+60^\circ$	$\pm 360^\circ$	$82^\circ-140^\circ$	2412	80	± 0.2	5.53	约686 about 686
	最大速度(°/s) Max.speed	148°/s	148°/s	148°/s	299°/s	/					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

产品特点 Product Features

BRTIRUS3511A 是伯朗特针对某些单调、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机器人,其拥有 3503mm 臂展,最大负载可达 100kg。具有多自由度的灵活性,对上下料、搬运、码垛等场景能够应对自如。

防护等级高: IP40。

精度高: 重复定位精度 $\pm 0.2\text{mm}$ 。

BRTIRUS3511A type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 3503mm. The maximum load is 100kg. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, stacking etc.

The protection grade reaches IP40 .

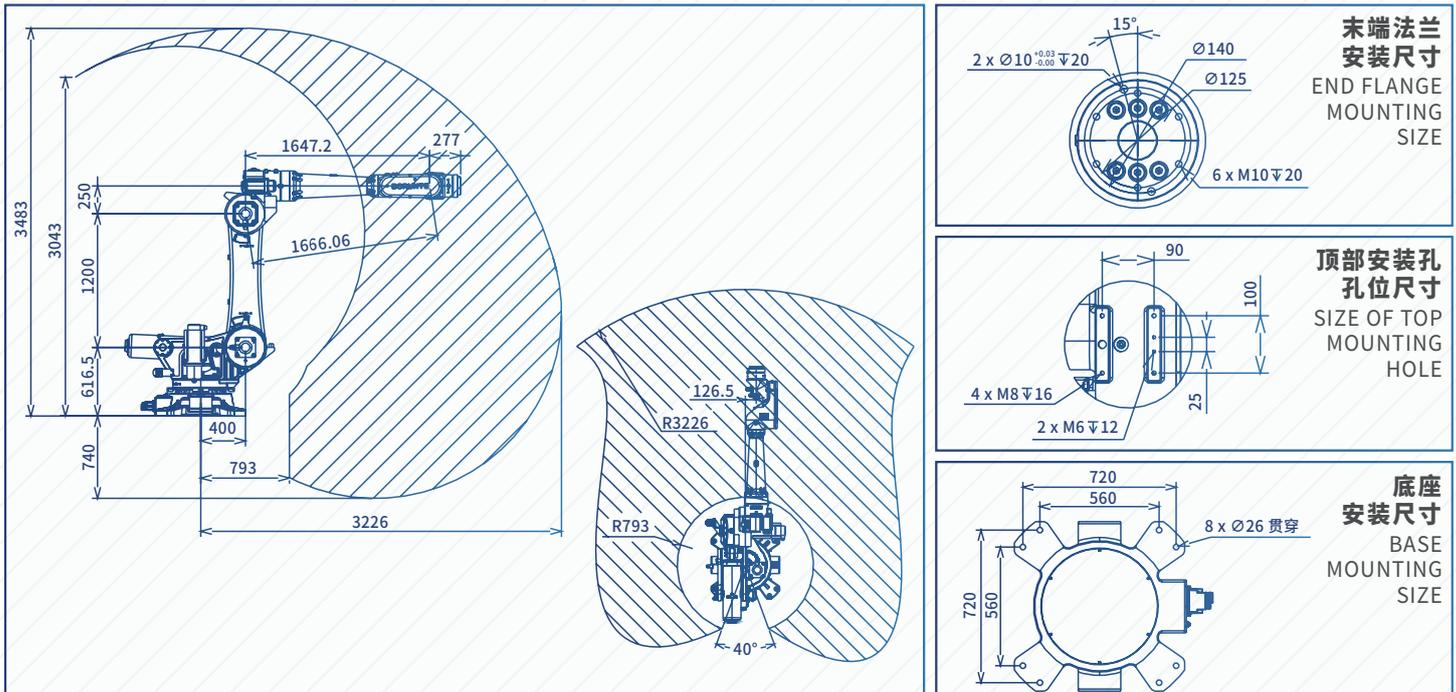
The repeat positioning accuracy is $\pm 0.2\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS3511A	范围(°) Range	$\pm 160^\circ$	$-75^\circ/+30^\circ$	$-80^\circ/+85^\circ$	$\pm 180^\circ$	$\pm 95^\circ$	$\pm 360^\circ$	3503	100	± 0.2	9.71	约1187.5 about 1187.5
	最大速度(°/s) Max. speed	85°/s	70°/s	70°/s	82°/s	99°/s	124°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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No further notice if the specification and appearance are changed due to improvement and other reasons. Thank you for your understanding.

产品特点 Product Features

BRTIRUS2520B 是伯朗特针对某些单调、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机器人,其拥有 2637mm 臂展,最大负载可达 200kg。具有多自由度的灵活性,对上下料、搬运、码垛等场景能够应对自如。

防护等级高: IP40。

精度高: 重复定位精度 $\pm 0.2\text{mm}$ 。

BRTIRUS2520B type robot is a six-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 2637mm. The maximum load is 200kg. It's flexible with multiple degrees of freedom. Suitable for loading and unloading, handling, stacking etc.

The protection grade reaches IP40.

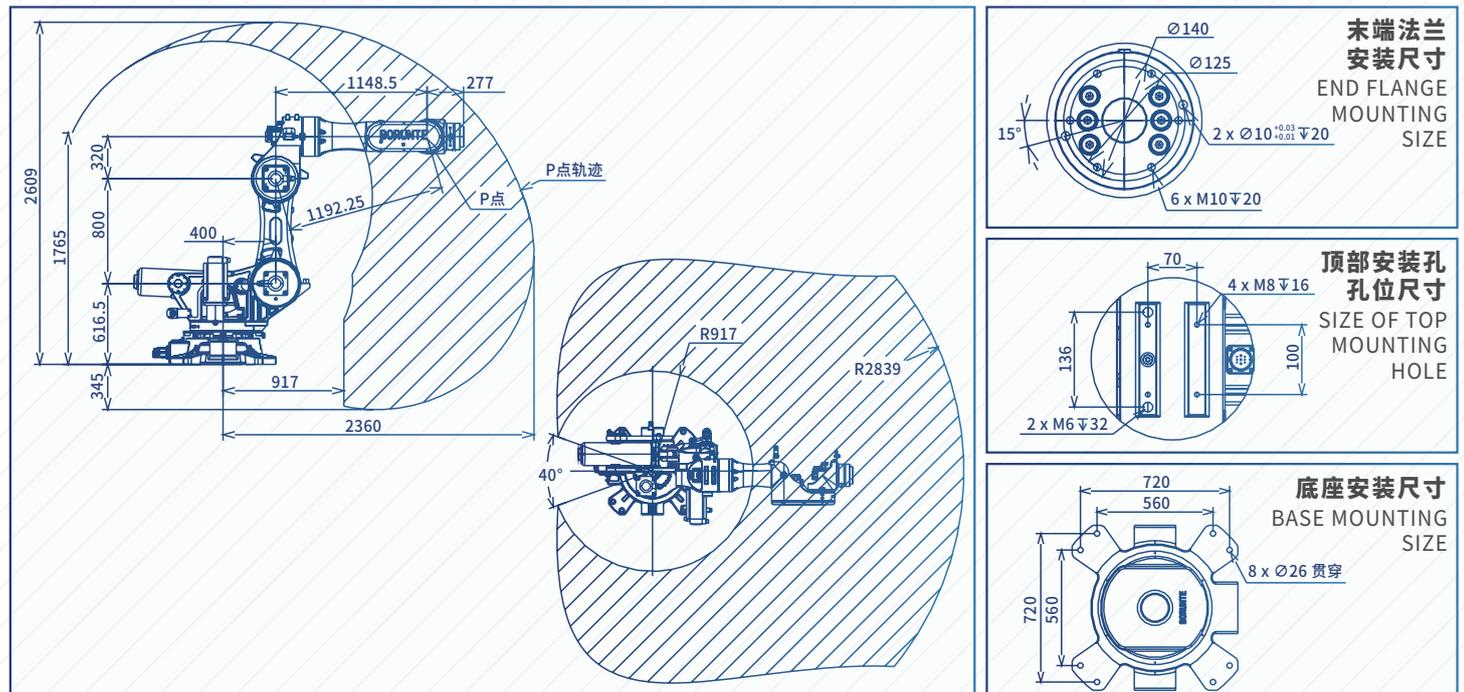
The repeat positioning accuracy is $\pm 0.2\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2520B	范围(°) Range	$\pm 160^\circ$	$-73^\circ/+35^\circ$	$-80^\circ/+105^\circ$	$\pm 180^\circ$	$\pm 95^\circ$	$\pm 360^\circ$	2637	200	± 0.2	9.58	约1106 about 1106
	最大速度(°/s) Max.speed	63°/s	52°/s	52°/s	94°/s	101°/s	133°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS3050B 是伯朗特针对搬运、码垛或上下料等应用行业开发的六轴机器人，其最大负载可达 500kg，拥有 3366mm 臂展。机器人的外形结构紧凑，各关节均安装了高精度减速机，高速的关节速度能灵活进行作业。

防护等级高：手腕 IP54、本体 IP40。

精度高：重复定位精度 $\pm 0.5\text{mm}$ ；

BRTIRUS3050B type robot is a six-axis robot developed by BORUNTE for handling, stacking, loading and unloading and other applications. It has a maximum load of 500kg and a arm span of 3366mm. The shape of the robot is compact, and each joint is equipped with a high-precision reducer. The high-speed joint speed can work flexibly.

The protection grade reaches IP54 at the wrist and IP40 at the body.

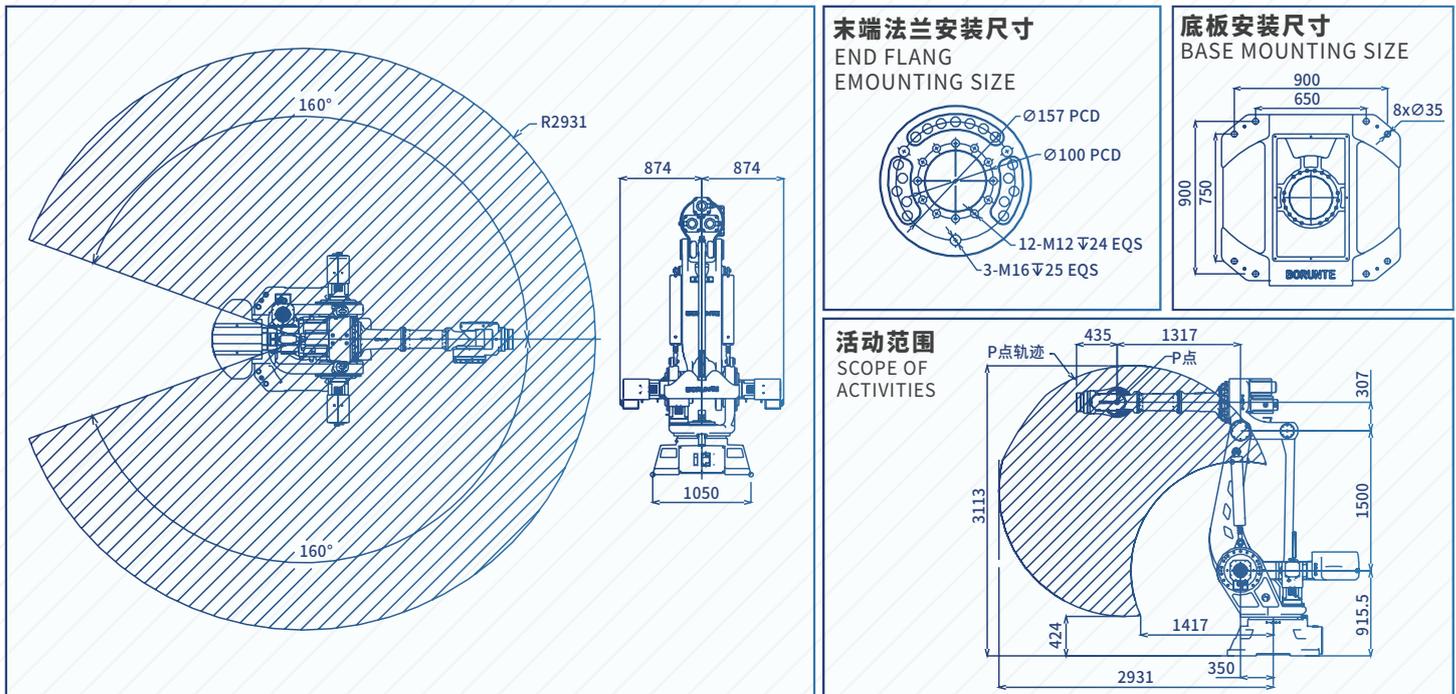
The repeat positioning accuracy is $\pm 0.5\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS3050B	范围(°) Range	$\pm 160^\circ$	$\pm 55^\circ$	$-55^\circ/+18^\circ$	$\pm 360^\circ$	$\pm 110^\circ$	$\pm 360^\circ$	3366	500	± 0.5	33.78	约3200 about 3200
	最大速度(°/s) Max.speed	51.1°/s	54.2°/s	52.4°/s	99.7°/s	103.7°/s	161.4°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPL1203A 是伯朗特针对轻小散乱物料的装配、分拣等应用场景开发的五轴机器人，可以实现水平抓取，翻转竖直放置，可以搭配视觉，其拥有1200mm 臂展，最大负载可达 3kg。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.1\text{mm}$ 。

BRTIRPL1203A is a five axis robot developed by BORUNTE for the assembly, sorting and other application scenarios of light and small scattered materials. It can achieve horizontal grasping, flipping and vertical placement, and can be paired with vision. It has a 1200mm arm span and a maximum load of 3kg.

The protection grade reaches IP40.

The repeat positioning accuracy is $\pm 0.1\text{mm}$.

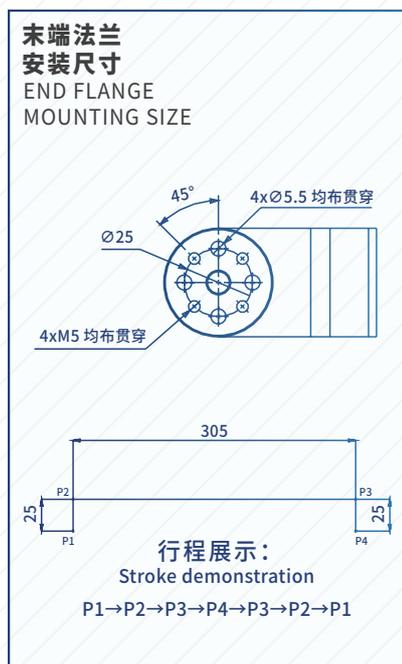
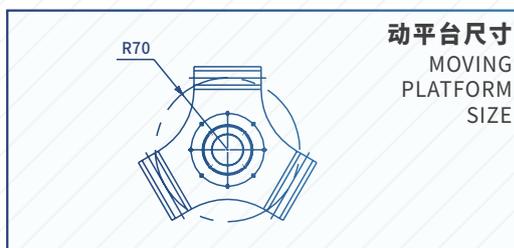
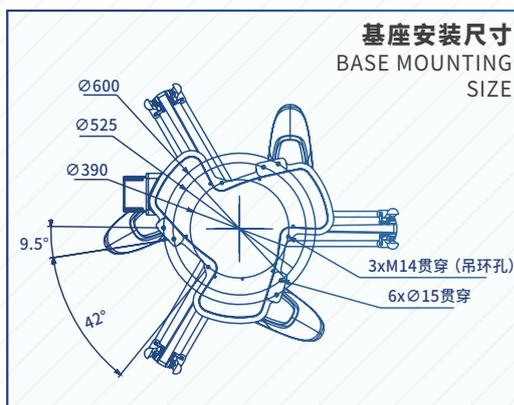
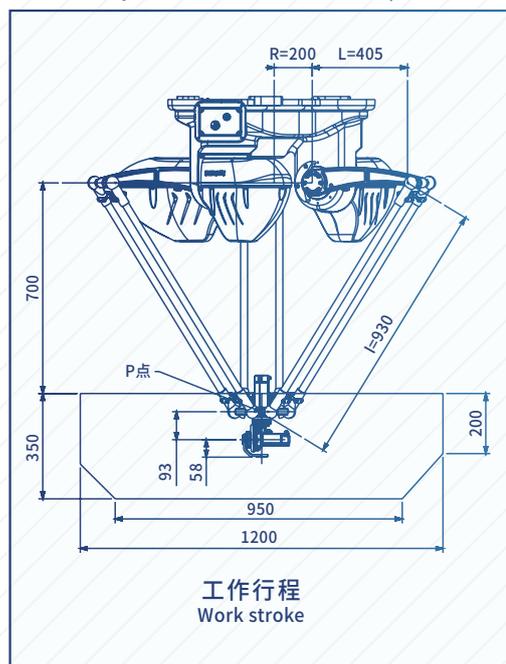


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机型信息

主要规格 Main Specification

机型/Model	项目/Item	主动臂/Master Arm		末端/End		臂展 (mm) Arm Length	负载 (kg) Loading Ability	位置重复定位精度 (mm) location repeated positioning accuracy	角度重复定位精度 (°) Angle repeated positioning accuracy	允许负载最大转动惯量 (kg.m ²) Maximum allowable moment of inertia of load	电源电容 (kVA) Power Source	重量 (kg) Weight
		上摆/Upper	下摆/Hem	J4	J5							
BRTIRPL1203A	范围(°) Range	35°	83°	$\pm 180^\circ$	$\pm 90^\circ$	1200	3	± 0.1	± 0.5	0.01	3.91	约107 about107
	节拍 (次/min) Rhythm(time/min)	行程:25/305/25(mm) stroke:25/305/25(mm)		0kg	3kg							

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPL1215A 是伯朗特针对中大负载散乱物料的装配、分拣等应用场景开发的四轴机器人，可以搭配视觉，其拥有 1200mm 臂展，最大负载可达 15kg。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.1\text{mm}$ 。

BRTIRPL1215A is a four axis robot developed by BORUNTE for the assembly, sorting, and other application scenarios of scattered materials with medium to large loads. It can be paired with vision and has a 1200mm arm span, with a maximum load of 15kg.

The protection grade reaches IP40.

The repeat positioning accuracy is $\pm 0.1\text{mm}$.

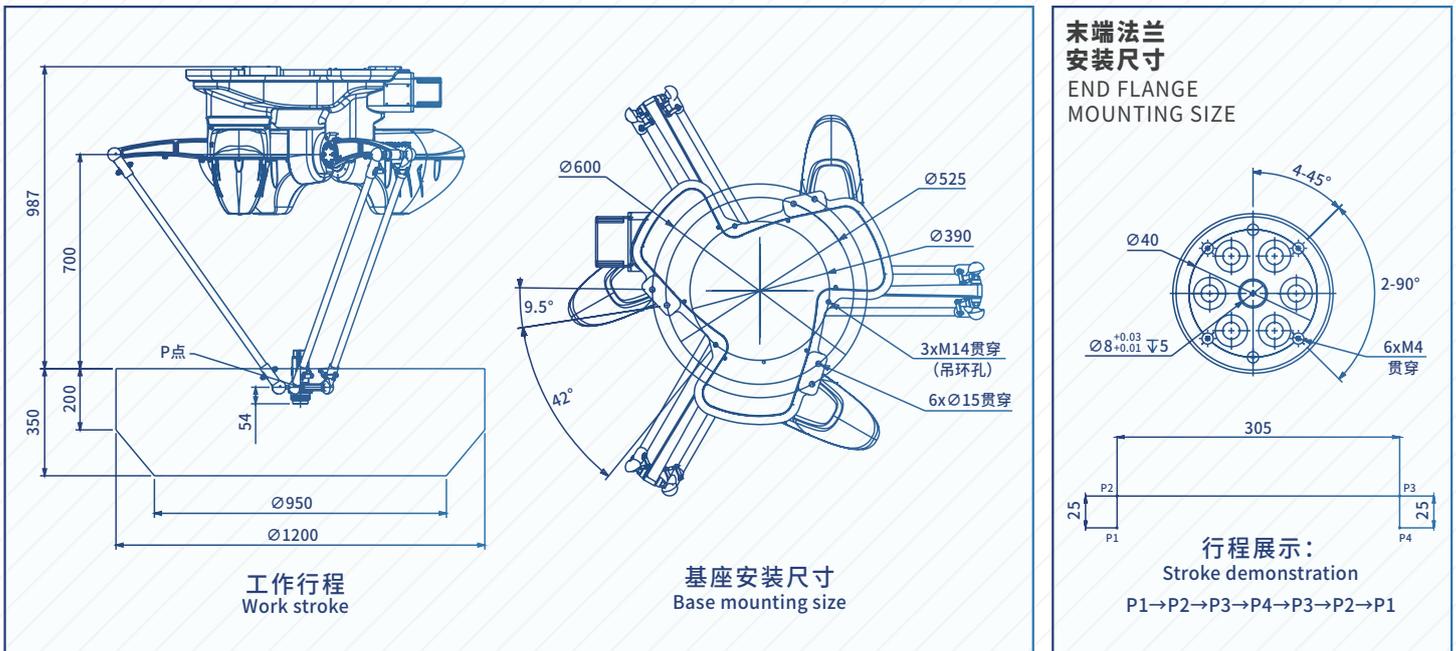


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主要规格 Main Specification

机型/Model	项目/Item	主动臂/Master Arm		末端/End		臂展 (mm) Arm Length	负载 (kg) Loading Ability	位置重复定位精度 (mm) location repeated positioning accuracy	角度重复定位精度 (#) Angle repeated positioning accuracy	允许负载最大转动惯量 (kg.m ²) Maximum allowable moment of inertia of load	电源电容 (kVA) Power Source	重量 (kg) Weight
		上摆/Upper	下摆/Hem	J4								
BRTIRPL1215A	范围(#) Range	35°	83°	$\pm 360^\circ$		1200	15	± 0.1	± 0.5	0.01	4.08	约105 about105
	节拍(次/min) Rhythm(time/min)	行程:25/305/25 (mm) stroke:25/305/25(mm)		0kg	5kg							
				143次/min 143time/min	121次/min 121time/min							
				10kg	15kg							
			107次/min 107time/min	94次/min 94time/min								

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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BRTIRXZ1515A

六轴机器人(轻量化)
Six axis robot (lightweight)

产品特点 Product Features

BRTIRXZ1515A 是伯朗特自主研发的一款带拖动示教功能的六轴机器人(轻量化),其最大负载为 15KG,最大臂展可达 1500mm。具有碰撞检测、3D 视觉识别和轨迹复现等功能。同时具有安全高效、智能易用、灵活轻巧、经济可靠和低功耗等特点,大大满足客户对 人机协作方面的需求。其高灵敏性和快响应性可适用于高密度的柔性化生产线,满足产品包装、注塑、上下料、装配等作业需要,尤其对 人机协同作业的应用需求,更是出类拔萃。

防护等级高: IP65, 防尘防水。

精度高: 重复定位精度 $\pm 0.08\text{mm}$ 。

BRTIRXZ1515A is a Six axis robot (lightweight) with drag-teaching function independently developed by BORUNTE. with a maximum load of 15kg and a maximum arm length of 1500mm. It has the functions of collision detection, 3D Visual Recognition and track reproduction. It is safe and efficient, intelligent and easy to use, flexible and light, economical and reliable, low power consumption and other characteristics, which greatly meet the needs in man-machine cooperation. Its high sensitivity and quick response can be applied to high density flexible production line, to meet the needs of product packaging, injection molding, loading and unloading, assembly and other operations, especially for man-machine collaborative work application demand.

The protection grade reaches IP65. Dust-proof and water-proof.

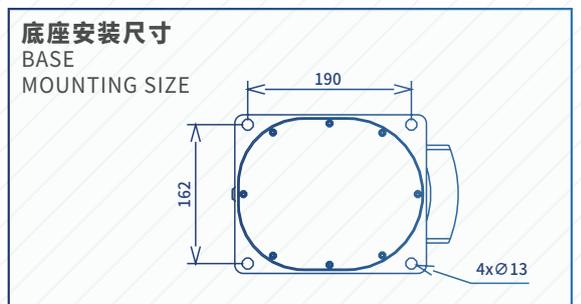
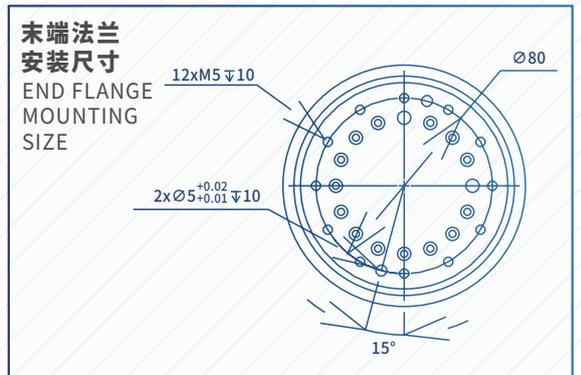
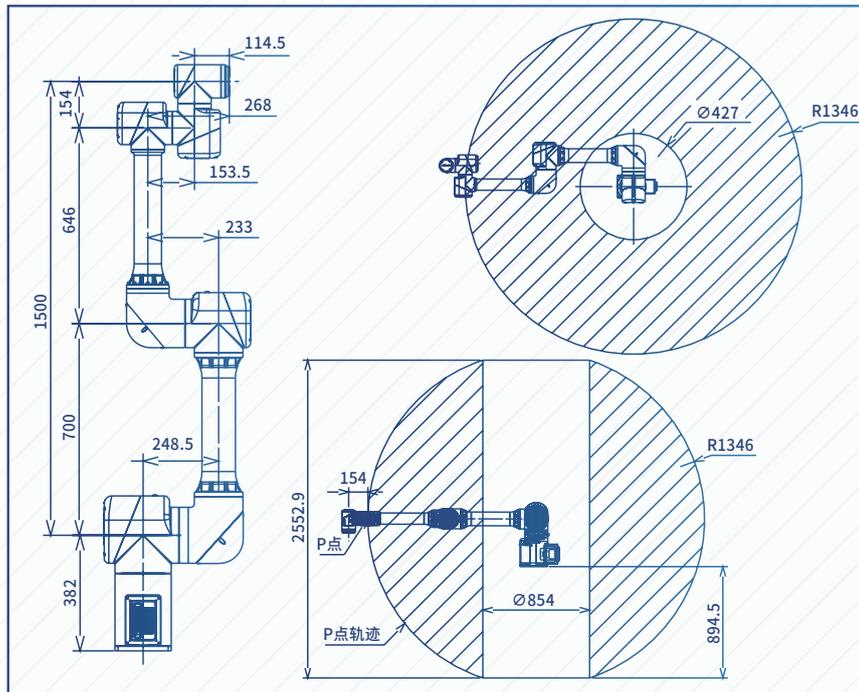
The repeat positioning accuracy is $\pm 0.08\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRXZ1515A	范围(°) Range	$\pm 180^\circ$	$\pm 180^\circ$	$-65^\circ \sim +250^\circ$	$\pm 180^\circ$	$\pm 180^\circ$	$\pm 360^\circ$	1500	15	± 0.08	5.5	约63 about 63
	最大速度(°/s) Max. speed	120°/s	113°/s	106°/s	181°/s	181°/s	181°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPZ2080A 是伯朗特机器人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四轴立柱码垛机器人,其拥有 2000mm 臂展,最大负载可达 80kg,多自由度的灵活性对上下料、搬运、拆垛、码垛等场景能够应对自如。

防护等级高: IP40。

精度高: 重复定位精度 $\pm 0.15\text{mm}$ 。

BRTIRPZ2080A is a four axis column palletizing robot developed by BORUNTE ROBOT CO.,LTD. for certain monotonous, frequent, and repetitive long-term operations, or operations in dangerous and harsh environments. It has a 2000mm arm span, a maximum load of 80kg, The flexibility of multiple degrees of freedom can handle scenarios such as loading and unloading, handling, unpacking, and palletizing with ease.

The protection grade reaches IP40.

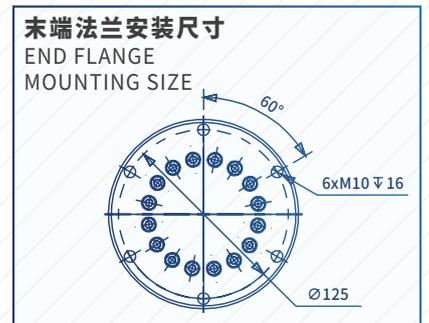
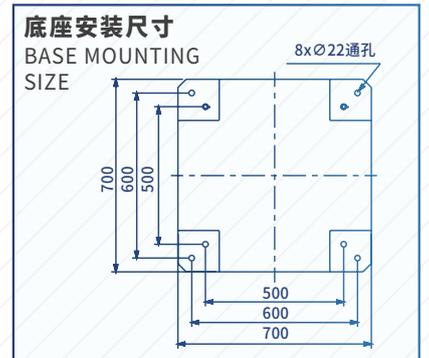
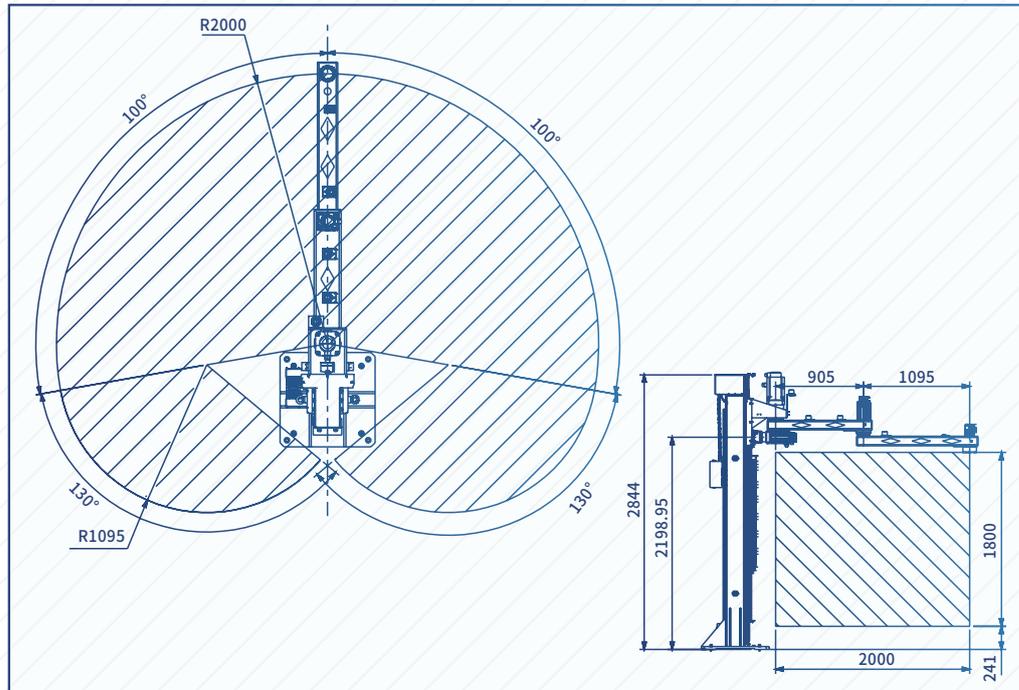
The repeat positioning accuracy is $\pm 0.15\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist	上下行程:1800mm 最大码垛高度:1700mm (具体根据夹具、物料规格而定) vertical stroke:1800mm Maximum stacking height:1700mm (Depending on fixture and material specifications)	臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4						
BRTIRPZ2080A	范围(#) Range	$\pm 100^\circ$	1800mm	$\pm 145^\circ$	$\pm 360^\circ$	2000	80	± 0.15	6	689	
	最大速度(#/s) Max.speed	129.6°/s	222mm/s	160°/s	296°/s						

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPZ3116B 是伯朗特开发的四轴机器人，响应速度快，精度高。其最大负载为 160KG，最大臂展可达 3100mm。以紧凑的结构实现大范围动作，运动灵活，精准。用途：适合应用于袋、箱体、瓶等包装形式的物料的堆垛。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.5\text{mm}$ 。

BRTIRPZ3116B is a four axis robot developed by BORO-UNTE, with fast response speed and high accuracy. Its maximum load is 160KG and the maximum arm span can reach 3100mm. Realize large-scale movements with a compact structure, flexible and precise movements. Usage: Suitable for stacking materials in packaging forms such as bags, boxes, bottles, etc. The protection grade reaches IP40.

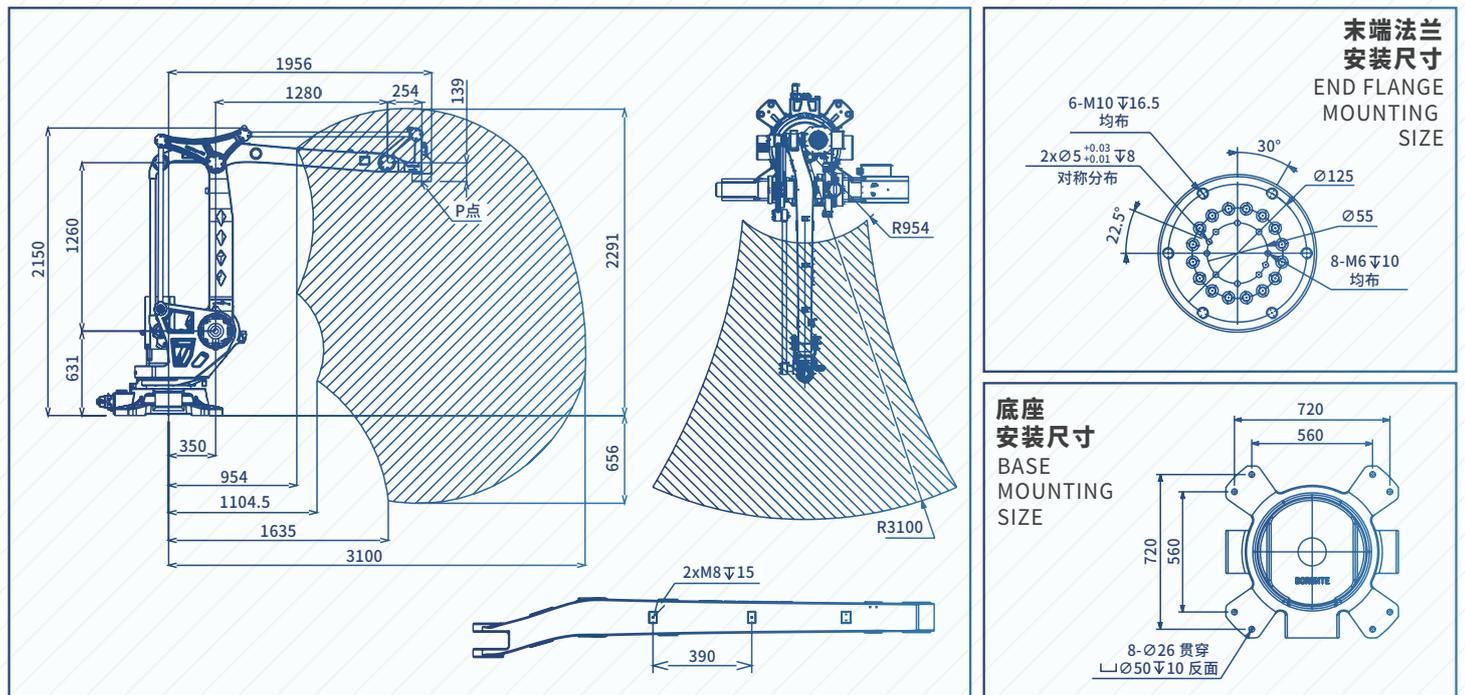
The repeat positioning accuracy is $\pm 0.5\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist		臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	R34					
BRTIRPZ3116B	范围(°) Range	$\pm 158^\circ$	$-84^\circ/+40^\circ$	$-65^\circ/+70^\circ$	$\pm 360^\circ$	$65^\circ-190^\circ$	3100	160	± 0.5	9	约1085 about 1085
	最大速度(°/s) Max.speed	120°/s	120°/s	108°/s	288°/s	/					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPZ2035A 是伯朗特针对某些单调、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四轴机器人，其拥有 2040mm 臂展，最大负载可达 35kg。具有多自由度的灵活性，对上下料、搬运、拆垛、码垛等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.1\text{mm}$ 。

BRTIRPZ2035A is a four axis robot developed by BO-RUNTE for certain monotonous, frequent, and repetitive long-term operations, as well as hazardous and harsh environments. It has an arm span of 2040mm and a maximum load of 35kg. With multiple degrees of flexibility, it can be used in loading and unloading, handling, unstacking, and stacking.

The protection grade reaches IP40.

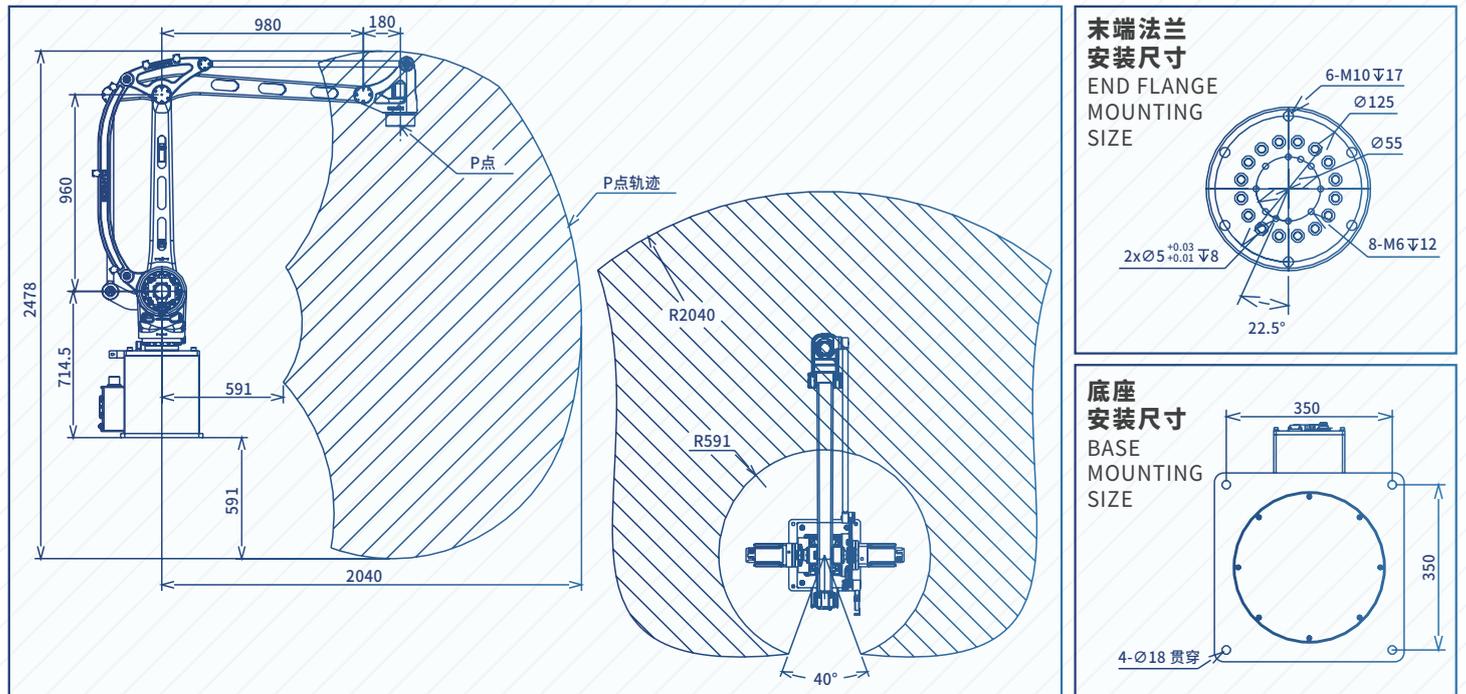
The repeat positioning accuracy is $\pm 0.1\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist		臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	R34					
BRTIRPZ2035A	范围(°) Range	$\pm 160^\circ$	$-100^\circ/+20^\circ$	$-60^\circ/+57^\circ$	$\pm 360^\circ$	$68^\circ-198^\circ$	2040	35	± 0.1	5.5	约290 about 290
	最大速度(°/s) Max.speed	163°/s	131°/s	177°/s	296°/s	/					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS2830B 是伯朗特针对多自由度复杂应用而开发的六轴机器人。其最大负载可达 300kg，拥有 3100mm 臂展，六自由度的灵活性对注塑件取件机床上下料、装配、搬运等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.2\text{mm}$ 。

BRTIRUS2830B is a six axis robot developed by BOROUNTE for complex applications with multiple degrees of freedom. Its maximum load can reach 300kg, with a 3100mm arm span and six degrees of freedom of flexibility, making it capable of handling scenarios such as loading and unloading, assembly, and transportation of injection molded parts on the machine tool.

The protection grade reaches IP40.

The repeat positioning accuracy is $\pm 0.2\text{mm}$.

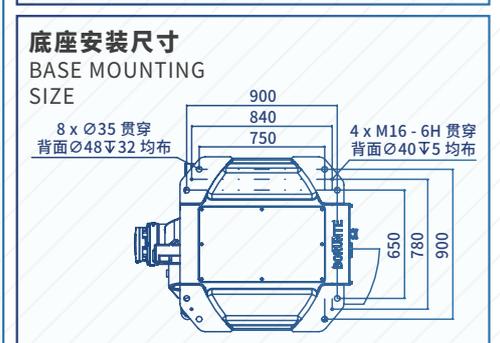
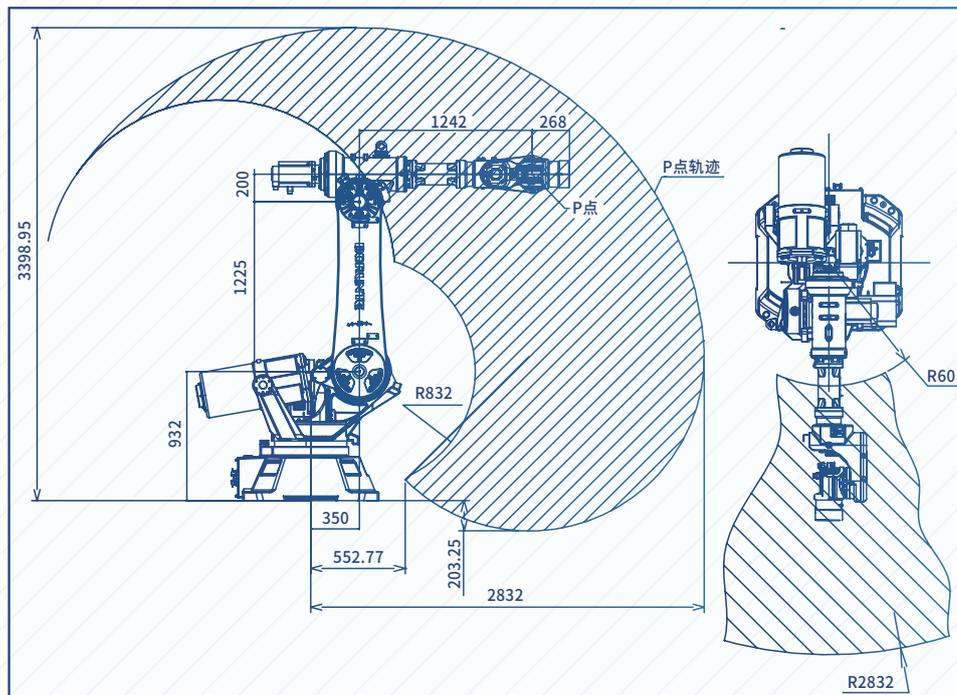


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机型信息

主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2830B	范围(°) Range	$\pm 160^\circ$	$-85^\circ/+55^\circ$	$-60^\circ/+105^\circ$	$\pm 180^\circ$	$\pm 130^\circ$	$\pm 360^\circ$	3100	300	± 0.2	15.62	约1976 about 1976
	最大速度(°/s) Max.speed	71.3°/s	74.2°/s	102.3°/s	122.7°/s	71.1°/s	116.3°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS2924B 是伯朗特针对多自由度复杂应用而开发的六轴机器人。其最大负载可达 240kg，拥有 3176mm 臂展，六自由度的灵活性对注塑件取件机床上下料、装配、搬运等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.2\text{mm}$ 。

BRTIRUS2924B is a six axis robot developed by BO-RUNTE for complex applications with multiple degrees of freedom. Its maximum load can reach 240kg, with a 3176mm arm span and six degrees of freedom flexibility, making it capable of handling scenarios such as loading, unloading, assembly, and transportation of injection molded parts on the machine tool.

The protection grade reaches IP40.

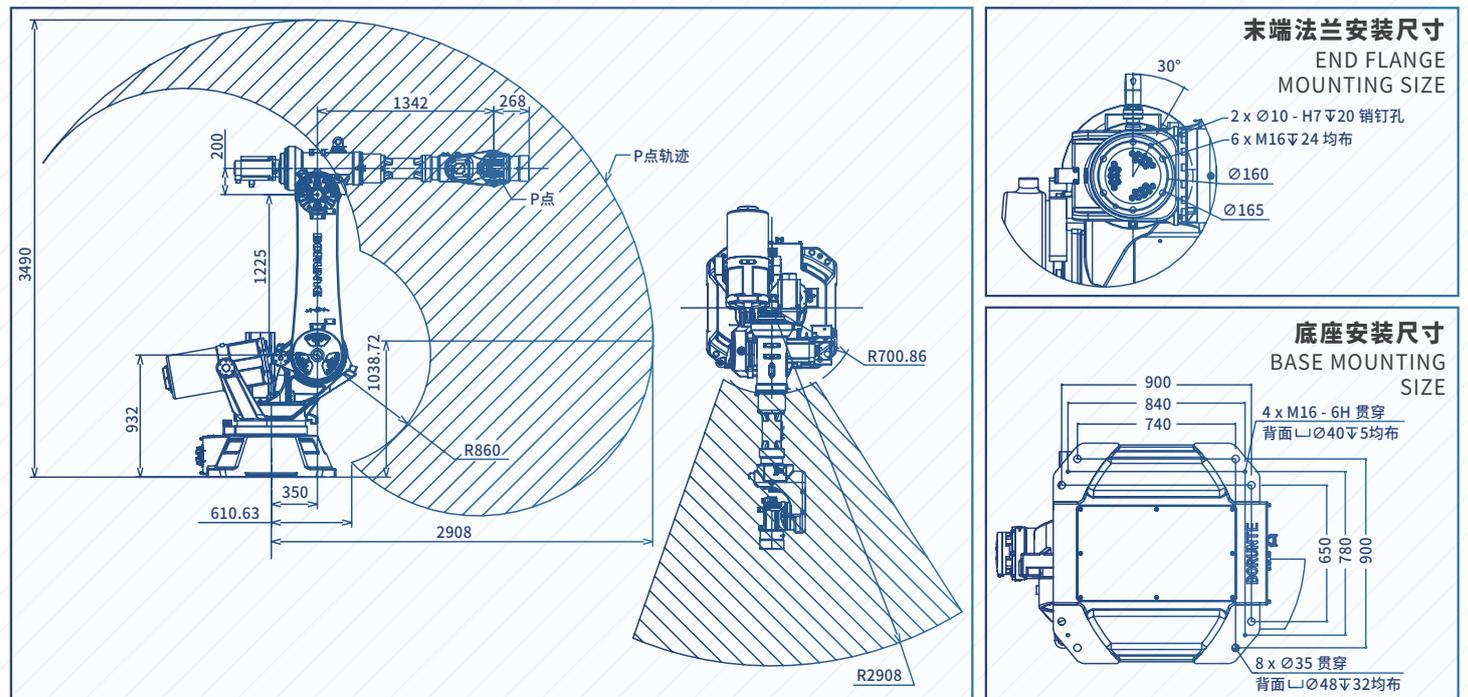
The repeat positioning accuracy is $\pm 0.2\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2924B	范围(°) Range	$\pm 160^\circ$	$-85^\circ/+55^\circ$	$-60^\circ/+105^\circ$	$\pm 180^\circ$	$\pm 130^\circ$	$\pm 360^\circ$	3176	240	± 0.2	18.07	约1983 about 1983
	最大速度(°/s) Max.speed	71.3°/s	76.6°/s	93°/s	141.2°/s	86.8°/s	120.9°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRUS2917B 是伯朗特针对多自由度复杂应用而开发的六轴机器人。其最大负载可达 170kg，拥有 3168mm 臂展，六自由度的灵活性对注塑件取件机床上下料、装配、搬运等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.2\text{mm}$ 。

BRTIRUS2917B is a six axis robot developed by BORO-TECH for complex applications with multiple degrees of freedom. Its maximum load can reach 170kg, with a 3168mm arm span and six degrees of freedom of flexibility, making it capable of handling scenarios such as loading and unloading, assembly, and transportation of injection molded parts on the machine tool.

The protection grade reaches IP40.

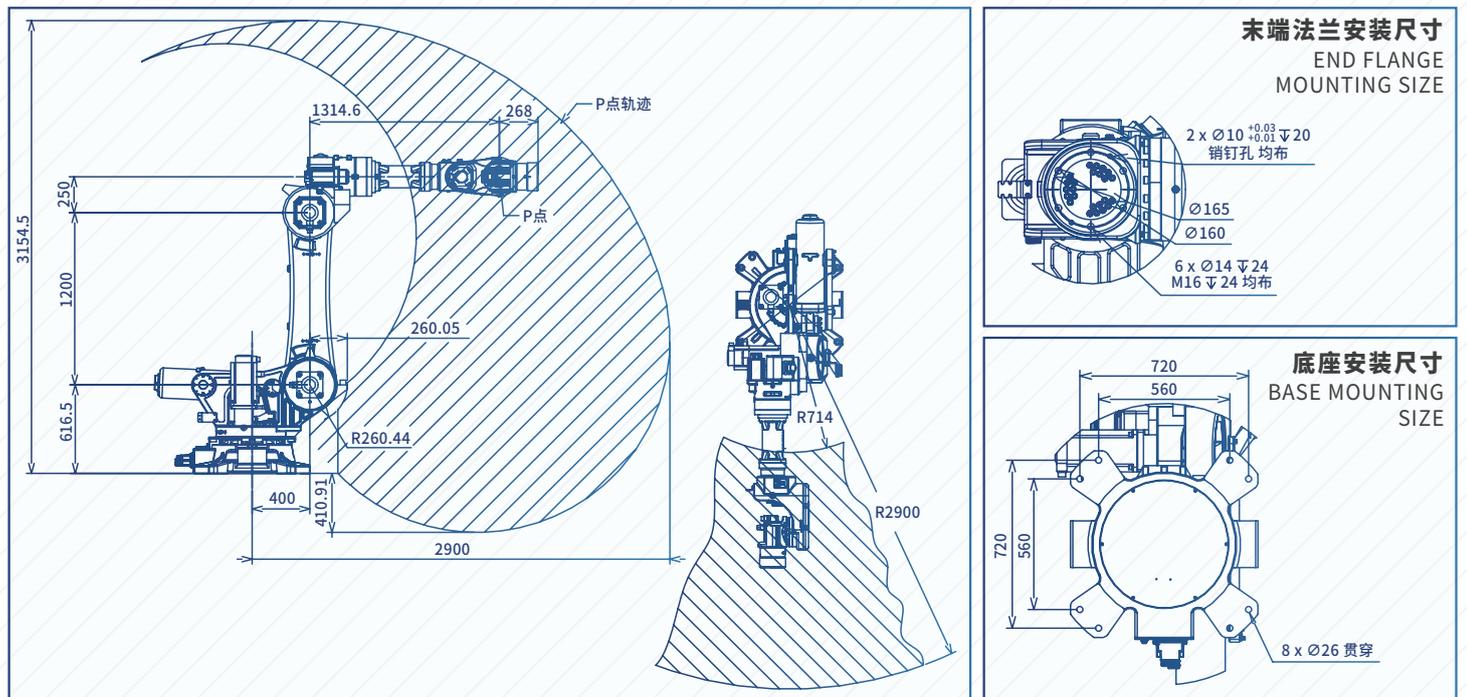
The repeat positioning accuracy is $\pm 0.2\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist			臂展 (mm) Arm Length	负载 (kg) Loading ability	重复定位精度 (mm) Repeated positioning accuracy	电源容量 (kVA) Power Source	重量 (kg) Weight
		J1	J2	J3	J4	J5	J6					
BRTIRUS2917B	范围 (#) Range	$\pm 160^\circ$	$-75^\circ/+30^\circ$	$-80^\circ/+85^\circ$	$\pm 180^\circ$	$\pm 130^\circ$	$\pm 360^\circ$	3168	170	± 0.2	12.46	约1190.5 about 1190.5
	最大速度 (#/s) Max. speed	85°/s	70°/s	70°/s	81°/s	87°/s	116°/s					

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPZ2465A 是伯朗特机器人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四轴立柱码垛机器人，实际码垛高度可达 2.5m，其拥有 2334mm 臂展，最大负载 65kg，超大的空间覆盖范围（可完全覆盖 1.2m*1.2m 及以内的所有规格托盘）。多自由度的灵活性，结构更为精简，维护方便，对上下料、搬运、拆包投料、拆垛、码垛等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.15\text{mm}$ 。

BRTIRPZ2465A is a four axis column palletizing robot developed by BORUNTE for certain monotonous, frequent, and repetitive long-term operations, or operations in dangerous and harsh environments. The actual palletizing height can reach 2.5m, with a 2334mm arm span and a maximum load of 65kg. It has a large space coverage range (can fully cover all sizes of pallets up to 1.2m * 1.2m). The flexibility of multiple degrees of freedom makes the structure more streamlined and easy to maintain. It can handle scenarios such as loading and unloading, handling, unpacking and feeding, unpacking and stacking with ease.

The protection grade reaches IP40.

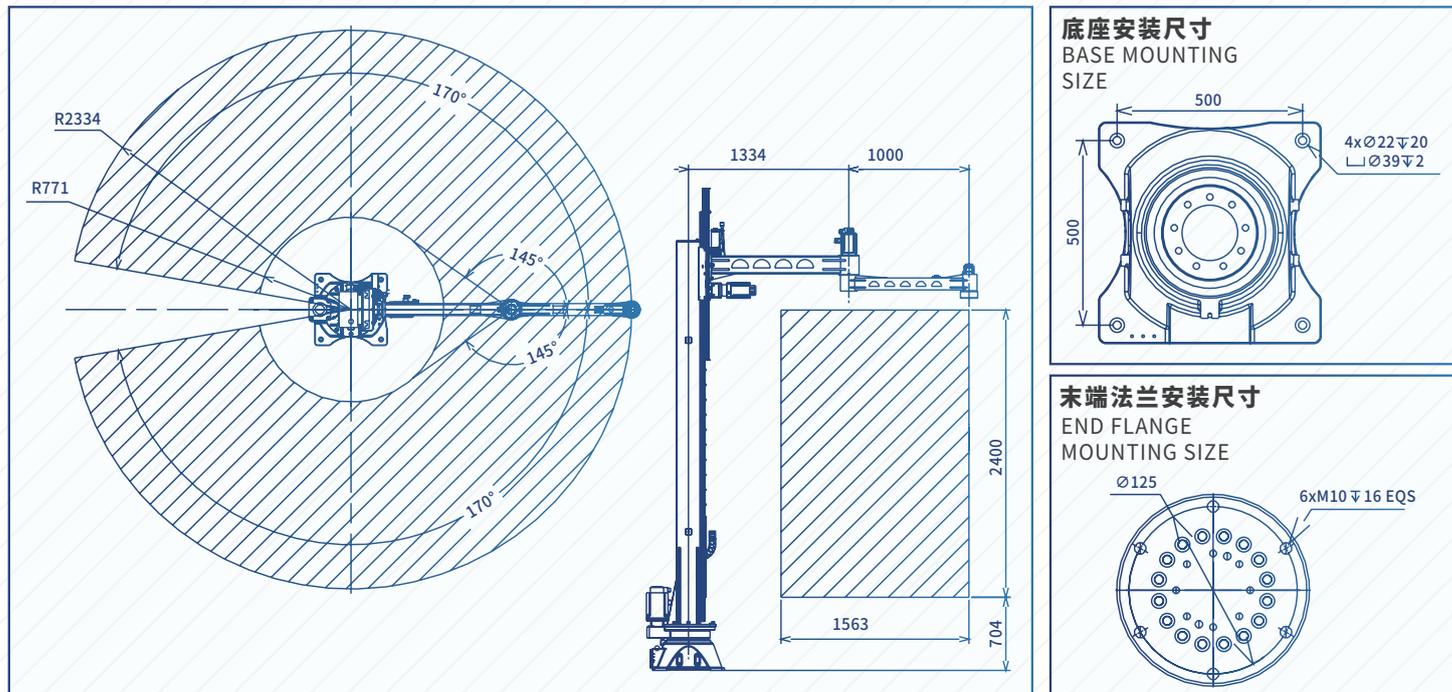
The repeat positioning accuracy is $\pm 0.15\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist	上下行程:2400mm 最大码垛高度:2500mm (具体根据夹具、物料规格而定) vertical stroke:2400mm Maximum stacking height:2500mm (Depending on fixture and material specifications)	臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4						
BRTIRPZ2465A	范围(°) Range	2400mm	$\pm 170^\circ$	$\pm 145^\circ$	$\pm 360^\circ$	2334	65	± 0.15	7.82	693.5	
	最大速度(°/s) Max.speed	660mm/s	117°/s	171°/s	296°/s						

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTIRPZ1865A 是伯朗特机器人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四轴立柱码垛机器人，实际码垛高度可达 1.8m，其拥有 2000mm 臂展，最大负载 65kg，超大的空间覆盖范围（可完全覆盖 1.2m*1.2m 及以内的所有规格托盘）。多自由度的灵活性，结构更为精简，维护方便，对上下料、搬运、拆包投料、拆垛、码垛等场景能够应对自如。

防护等级高：IP40。

精度高：重复定位精度 $\pm 0.15\text{mm}$ 。

BRTIRPZ1865A is a four axis column palletizing robot developed by BORUNTE for certain monotonous, frequent, and repetitive long-term operations, or operations in dangerous and harsh environments. The actual palletizing height can reach 1.8m, with a 2000mm arm span and a maximum load of 65kg. It has a large space coverage range (can fully cover all sizes of pallets up to 1.2m * 1.2m). The flexibility of multiple degrees of freedom makes the structure more streamlined and easy to maintain. It can handle scenarios such as loading and unloading, handling, unpacking and feeding, unpacking and stacking with ease.

The protection grade reaches IP40.

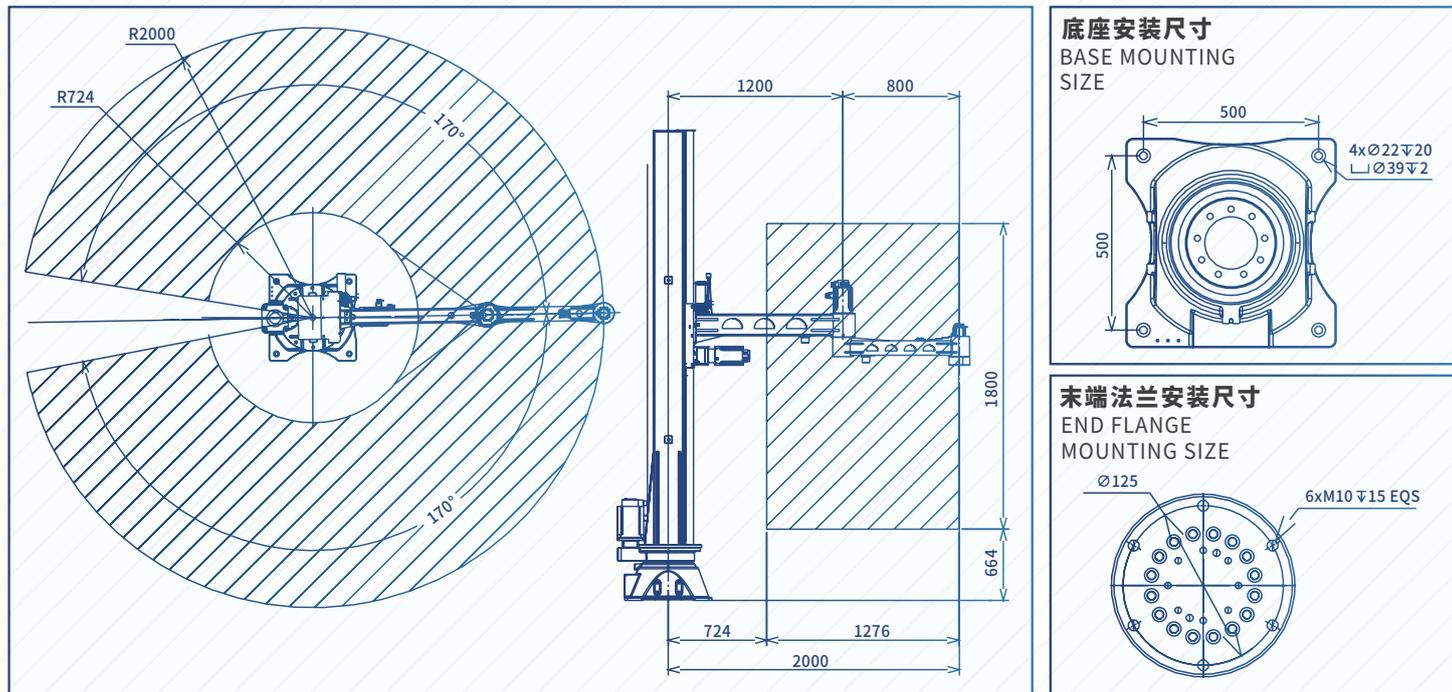
The repeat positioning accuracy is $\pm 0.15\text{mm}$.



主要规格 Main Specification

机型/Model	项目/Item	手臂/Arm			手腕/Wrist	上下行程:1800mm 最大码垛高度:1800mm (具体根据夹具、物料规格而定) vertical stroke:1800mm Maximum stacking height:1800mm (Depending on fixture and material specifications)	臂展(mm) Arm Length	负载(kg) Loading ability	重复定位精度(mm) Repeated positioning accuracy	电源容量(kVA) Power Source	重量(kg) Weight
		J1	J2	J3	J4						
BRTIRPZ1865A	范围(°) Range	1800mm	$\pm 170^\circ$	$\pm 145^\circ$	$\pm 360^\circ$	2000	65	± 0.15	7.8	618	
	最大速度(°/s) Max.speed	660mm/s	117°/s	171°/s	296°/s						

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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产品特点 Product Features

BRTMD193001A 是伯朗特针对码垛行业开发的一款工作站，其工作半径达到 1895MM，负载 30KG，采用升降台 + 专版码垛大屏系统构成，支持双语操作，可广泛应用于纸箱医药食品等多个行业生产线，提高产线智能化程度。

1. 部署灵活：集成化设计，轻巧灵活，即插即用。
2. 简易编程：图像化显示，编程操作简单高效，10 分钟内就可轻松完成编程
3. 标配升降台，升降高度 0-500MM。
4. 码垛速度为 9-10 秒一箱，可轻松完成左右双码垛。
5. 预留输送带连接孔位，客户需根据孔位自行配置输送带。

BRTMD193001A is a workstation developed by BORUNTE for the palletizing industry, with a working radius of 1895MM and a load of 30KG. It is composed of a lifting platform and a specialized palletizing large screen system, supporting bilingual operation. It can be widely used in multiple industries such as cardboard boxes, pharmaceuticals, and food, improving the intelligence level of the production line.

1. Flexible deployment: Integrated design, lightweight and flexible, plug and play.
2. Easy programming: graphical display, simple and efficient programming operation, can be easily completed within 10 minutes
3. Standard lifting platform with a lifting height of 0-500MM.
4. The palletizing speed is 9-10 seconds per box, making it easy to complete both left and right palletizing.
5. Reserve connection holes for the conveyor belt, and customers need to configure the conveyor belt according to the hole positions themselves.



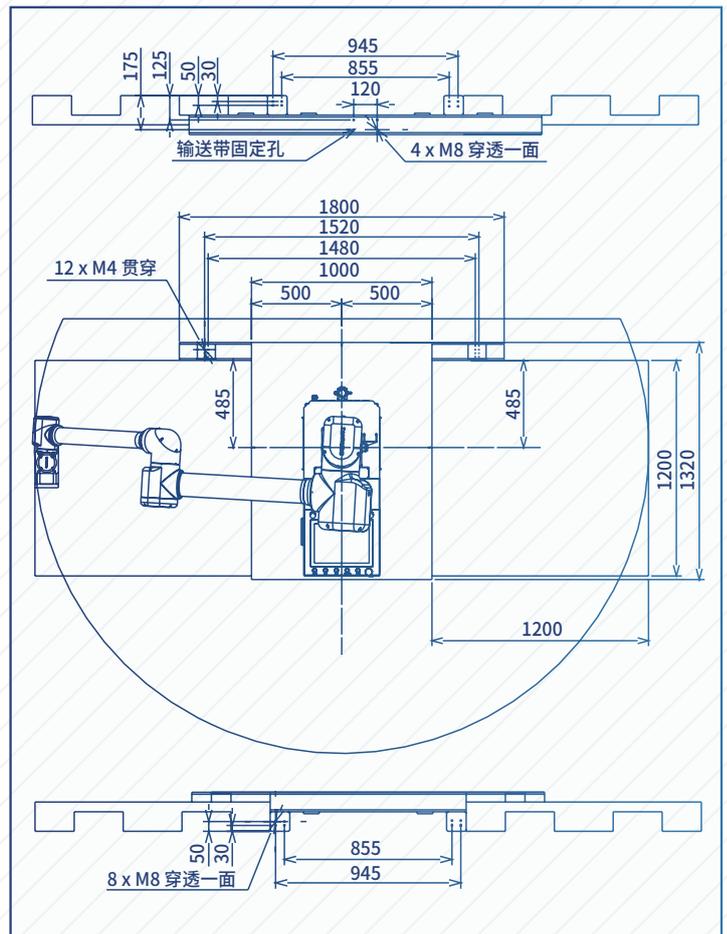
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机型信息

主要规格 Main Specification

配套机器人参数/Supporting robot parameters			
项目/Item		范围/Range	最大速度/Max.speed
手臂/Arm	J1	±180°	140°/s
	J2	±180°	140°/s
	J3	-60°/+160°	122°/s
手腕/Wrist	J4	±120°	145°/s
	J5	±360°	225°/s
升降轴/Elevating Axis		0~500MM	250mm/s

基本参数/Basic parameters	
最大臂展/Maximum arm span	1895mm
最大负载/Maximum load	30kg
码垛高度/Palletizing height	2350mm (含栈板高度) (including pallet height)
码垛速度/Palletizing speed	9-10 pcs/min
重复定位精度 Repetitive positioning accuracy	±0.1mm
机器重量/Weight	≈450kg
额定电压/Rated voltage	单向 AC220V/Unidirectional AC220V
温度范围/Temperature range	温度:0~40°C 湿度:20~80%RH (无结露) Temperature:0~40 °C Humidity:20-80% RH (no condensation)
防护等级/IP code	机器人IP54, 其余IP40 Robot:IP54, Other IP40
电源容量/Power Source	5.76KVA
占地面积/Floor space	1800*1320mm
设备总高/Total height of equipment	3m

基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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- 伯朗特产品采用全新的驱控一体控制系统，信号线少，维护简单，搭配轻巧移动式手持操作器，参数和功能设定一目了然，操作简单快捷。
- BORUNTE products adopt a new drive control integrated control system, with fewer signal lines and simple maintenance. It is equipped with a handy mobile hand-held operating device; the parameters and function settings are clear, and the operation is simple and fast.

BORUNTE 220V电控柜 (型号1) BORUNTE 220V Electric control cabinet (Model 1)	
尺寸 Size	554mm*331mm*396mm
重量 Weight	29KG
防护等级 IP code	IP20
电源要求 Power supply	220V 50/60Hz

BORUNTE 220V电控柜 (型号2) BORUNTE 220V Electric control cabinet (Model 2)	
尺寸 Size	520mm*315mm*395mm
重量 Weight	29KG
防护等级 IP code	IP30
电源要求 Power supply	220V 50/60Hz

BORUNTE 380V电控柜 (型号1) BORUNTE 380V Electric control cabinet (Model 1)	
尺寸 Size	872mm*596mm*511mm
重量 Weight	110KG
防护等级 IP code	IP20
电源要求 Power supply	380V 50/60Hz

BORUNTE 380V电控柜 (型号2) BORUNTE 380V Electric control cabinet (Model 2)	
尺寸 Size	875mm*609mm*609mm
重量 Weight	99KG
防护等级 IP code	IP20
电源要求 Power supply	380V 50/60Hz

BORUNTE 低压协作机器人电控柜 BORUNTE Low voltage collaborative robot Electric control cabinet	
尺寸 Size	425mm*313.5mm*317mm
重量 Weight	20KG
防护等级 IP code	IP30
电源要求 Power supply	220V 50/60Hz

BORUNTE 380V重负载机器人电控柜 BORUNTE 380V heavy-duty robot Electric control cabinet	
尺寸 Size	1311.29mm*813.52mm*1704mm
重量 Weight	340KG
防护等级 IP code	IP20
电源要求 Power supply	380V 50/60Hz

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BORUNTE 220V
码垛专用电控柜
BORUNTE 220V palletizing dedicated
electrical control cabinet

- 伯朗特产品采用全新的驱控一体控制系统，信号线少，维护简单，搭配轻巧移动式手持操作器，参数和功能设定一目了然，操作简单快捷。
- BORUNTE products adopt a new drive control integrated control system, with fewer signal lines and simple maintenance. It is equipped with a handy mobile hand-held operating device; the parameters and function settings are clear, and the operation is simple and fast.

BORUNTE 220V码垛专用电控柜 BORUNTE 220V palletizing dedicated electrical control cabinet	
尺寸 Size	679.5mm*481mm*1276mm
重量 Weight	57kg
防护等级 IP code	IP20
电源要求 Power supply	220V 50/60Hz

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伯朗特 电控柜系统参数

BORUNTE lectric control cabinets system parameters

RC-HC1-TI1参数 RC-HC1-TI1 parameters		RC-NBT-C01参数 RC-NBT-C01 Parameters	
处理器 Processor	单核A8 ARM处理器 1GHz Single core A8 ARM processor	处理器 Processor	全志 T507, 4核主频1.5GHz Quanzhi T507, 4-core main frequency 1.5GHz
控制软件 Control software	嵌入式Linux + 实时补丁+自主运动控制系统 Embedded Linux+real-time patches+autonomous motion control system	板载存储 Control software	EMMC Flash 8GB
内存 Inner memory	512MB	操作系统 Storage	RT-Linux
控制总线 Control bus	内部专用总线, 可扩展至8轴 Internal dedicated bus, expandable to 8 axes	内存 Inner memory	2GB
其他总线 Other bus	modbus RTU主站, modbus RTU/TCP从站 Modbus RTU master station, Modbus RTU/TCP slave station	USB	2 x USB2.0
原点指令作用 Origin command function	无 None	网络 Origin command function	1 x RTL8211F 千兆网口 1 x RTL8211F 1000Mbps Ethernet port 1 x RTL8152B 百兆网口 1 x RTL8152B 100Mbps Ethernet port 1 x IP101GR 百兆网口 1 x IP101GR 100Mbps Ethernet port
I/O端口 I/O ports	标配32输入32输出, 支持扩展华成I/O板 Standard 32 input and 32 output, supporting the expansion of Huacheng I/O board	CAN	1 x CAN 2.0
通讯接口 Communicate interface	RS485, CAN, 百兆网络接口(目前可以接入经过华成认证的设备有, 模拟量模块, 编码器模块, 云数据采集模块) RS485, CAN, 100Mbps network interface (currently compatible with Huacheng certified devices including analog module, encoder module, and cloud data acquisition module)	串口 Communicate interface	1 x RS485, 1 x RS232
数据采集 Data collection	可以通过网口接口采集系统状态, 并且有限制地控制系统 The system status can be collected through the network interface and controlled with restrictions	脉冲接口 Data collection	1路5V编码器ABZ查分接口 1 channel 5V encoder ABZ lookup interface
二次开发 Secondary development	无 None	数字量输入输出 Secondary development	32输入32输出 32input 32output
控制轴数 Controlled axes	4轴, 6轴, 8轴 4 axis, 6 axis, 8 axis	模拟量输入输出 Controlled axes	2路输入2路输出, 0-10V 2 lines input / 2 lines output, 0-10V

RC-MF1-80A参数 RC-MF1-80A Parameters	
处理器 Processor	STM32153(主频650M, 双核) STM32153 (Main frequency 650M, dual core)
控制软件 Control software	自研 Self R&D
内存 Inner memory	1G
USB	1个 1 piece
网口 Network interface	1个EtherCAT网口, 1个RJ45百兆网口 1 EtherCAT Ethernet port, 1 RJ45 100Mbps Ethernet port
CAN/485	CAN和485通讯 CAN and 485 communication
PORT1	以太网口, 连接示教器 Ethernet port, connect to teaching pendant
PORT2	EtherCAT网口, 连接驱动和远程IO EtherCAT network port, connecting drivers and remote IO
数字量输入输出 Digital input/output	16输入16输出 16 Input 16 Output
模拟量输入输出 Analog input/output	支持拓展 Support expansion
控制轴数 Controlled axes	9轴 9 axis

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伯朗特 电控柜系统参数

BORUNTE lectric control cabinets system parameters

RC-NBT-1200参数 RC-NBT-1200 Parameters	
处理器 Processor	Intel Elkhart Lake J6412 Platform
内存 Inner memory	4G
存储 Storage	On board 8G eMMC (MLC V5.1)
操作系统 Operating system	Linux: ubuntu 20.04
看门狗定时器 Watch dog timer	Programmable 255 levels timer interval, form 1~255 sec/min
网口 Network interface	1* i210-AT GbE (10/100/1000 Mbps) 3 x RTL8111H GbE (10/100/1000 Mbps)
显示 Display video	1*HDMI: Max resolution up to 4k@24Hz
USB 接口 USB	2*usb 3.2 Gen1
COM	2*RS232/422/485 Header 带 3KV 隔离 2*RS232/422/485 Header Equipped with 3KV isolation Default COM1 Mode: RS232; COM2 Mode:RS485
GPIO	1*16bit Programmable GPIO 带隔离 1*16bit Programmable GPIO With isolation GPIO 需要电压隔离 默认状态: 8in +8out GPIO Voltage isolation is required Default state: 8in +8out GPO: Default Low GPI:Default Low
OS recovery	1 × 系统还原 OS Recover 按键 1 × System restore OS Recover key
M.2	M.2 2280 SATA 接口 (预留接口) M.2 2280 SATA Interface (reserved interface)
蜂鸣器 Buzzer	1*Beep
电源输入 Power input	12-24V ± 20% DC, 2-pin 凤凰端子, 电源防反接 12-24V ± 20% DC, 2-pin Phoenix terminal, power anti reverse connection

RC-NBT-1201参数 RC-NBT-1201 Parameters	
处理器 Processor	Intel® Celeron J6412, 2.0~2.6GHz, 4 核/4 线程, 1.5MB L2 缓存 Intel® Celeron J6412, 2.0~2.6GHz, 4 cores/4 threads, 1.5MB L2 cache
控制软件 Control software	Linux +Microsoft Windows
内存 Inner memory	1 x SO-DIMM DDR4-2400MHz (最大支持 32GB) 1 x SO-DIMM DDR4-2400MHz (Maximum support 32GB)
USB	2 x USB3.0
以太网 Ethernet	1 x Intel I210/211 千兆网口 1 x Intel I210/211 1000Mbps Ethernet port 3 x RTL8111H 千兆网口 3 x RTL8111H 1000Mbps Ethernet port
CAN	2 x CAN Bus 2.0A/B
编码器输入 Encoder input	2 x A/B 相差分输入 2 x A/B differential input
PWM输出 PWM output	2 x PWM, 单端, 0~100%可调, 电压 5/24V 可调, <2MHz 2 x PWM, single ended, 0~100% adjustable, voltage 5/24V adjustable, < 2MHz
HDMI	最高分辨率 4096 x 2160@60Hz The highest resolution is 4096 x 2160@60Hz
扩展接口 Extended interface	1 x 全尺寸 miniPCIe 卡槽, 带有 SIM 卡槽 1 x full-size miniPCIe card slot with SIM card slot
看门狗 watch dog timer	1~255 级可编程设置 1~255 level programmable settings
数字量输入输出 Digital input/output	32输入32输出 32 input and 32 output
模拟量输入输出 Analog input/output	2路输入2路输出, 0-10V 2 input and 2 output, 0-10V
控制轴数 Control axes	9轴 9 axis

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BORUNTE 产品示教器参数 BORUNTE products FlexPendant parameters	
触摸屏规格 Touch screen specifications	800x600, 单点触摸 (电阻屏) 800x600, Single-touch (Resistance screen)
处理器 Processor	单核A8 ARM处理器 1GHz Single-core A8 / ARM processor / 1GHz
内存 Internal storage	512MB
接口 Interface	USB
键盘 Keyboard	点动(+,-)16点, 方向键2点, 功能键4点, 可绑定功能键4点 Jog (+,-) 16 points, direction key 2 points, function key 4 points, bindable function key 4 points
安全开关 Safety switch	急停开关、钥匙模式选择开关、3段位置使能开关 Emergency stop switch, key mode selection switch, 3-segment position enable switch
电源 Power source	DC24V±5%
耗电 Power consumption	最大250mA@24V Max: 250mA@24V
环境温度 Ambient temperature	工作时0°C 到+45°C, 存储时-20°C到+70°C 0~+45 ° in operation; -20 ~ +70 ° in storage
湿度 Humidity	最大85% (无结露) Max: 85% (No condensation)
尺寸 Size	最大292mmX222mmX125mm Max: 292mm*222mm*125mm
触摸笔 Touch pen	1支 One
材质 Materials	ABS 红/黑搭配 ABS red/black
重量 Weight	1.75kg

BORUNTE 喷涂防爆电控柜 参数 BORUNTE spraying explosion-proof electric control cabinet parameters	
BORUNTE 喷涂防爆气阀箱 参数 BORUNTE spraying explosion-proof air valve box parameters	
处理器 Processor	单核A8 ARM处理器 1GHz Single-core A8 / ARM processor / 1GHz
控制软件 Control software	嵌入式Linux + 实时补丁+自主运动控制系统 Embedded Linux + actual-time patch + Autonomous motion control system
内存 Internal storage	512MB
控制总线 Control Bus	内部专用总线, 可扩展至8轴 Internal dedicated bus, expandable to 8 axes
其他总线 Other Bus	modbus RTU主站, modbus RTU/TCP从站 modbus RTU master station, modbus RTU/TCP slave station
原点指令作用 Original directive function	无 none
I/O端口 I/O Port	标配32输入32输出, 支持扩展华成I/O板 Standard configuration 32 input 32 output, Support the expansion of Huacheng I/O port
通讯接口 Communication interface	RS485, CAN, 百兆网络接口(目前可以接入经过华成认证的设备有: 模拟量模块, 编码器模块, 云数据采集模块) RS485, CAN, 100m network interface (At present, the equipment that can be accessed through Huacheng certification includes: Analog module, encoder module, cloud data acquisition module)
数据采集 Data Acquisition	可以通过网口接口采集系统状态, 并且有限地控制系统 The system status can be collected through the network interface, and the system can be controlled limited
二次开发 Secondary development	无 none
控制轴数 Number of control axes	4轴, 6轴, 8轴 4-axis; 6axis; 8axis
标准 Standard	执行标准 GB3836 Executive Standard GB3836
防爆标识 Explosion proof sign	IIBT4Gb

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Thank you for your understanding.

伯朗特 工装系列

BORUNTE Tools and Fixtures Series

2D视觉系统(高配版)

2D visual system (high-end version)

成品料号 : BRTSJ2081281

(Finished Product Material code)



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机型信息



2D视觉系统

2D visual system

成品料号 : BRTSJ2040641

(Finished Product Material code)



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3D结构光相机

3D structured light camera

成品料号 : BRTEYEDL210A

(Finished Product Material code)



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TCP精度自校准设备

TCP precision self-calibration device

成品料号 : BRTTCP080250

(Finished Product Material code)



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编码器

Encoder

成品料号 : BRTECM000000

(Finished Product Material code)



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单刃超声波切刀

Single blade ultrasonic cutter

成品料号 : BRTCS2805300

(Finished Product Material code)



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伯朗特 工装系列

BORUNTE Tools and Fixtures Series

电动真空执行器

Electric vacuum actuator

成品料号 : BRTZK0105030

(Finished Product Material code)



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电弧跟踪器

Arc tracker

成品料号 : BRTDH5000110

(Finished Product Material code)



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防碰撞法兰

Anti-collision flange

成品料号 : BRTFP0106010

(Finished Product Material code)



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非磁性分张器

Non-magnetic splitter

成品料号 : BRTFZ1030010

(Finished Product Material code)



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海绵吸盘

Sponge suction cups

成品料号 : BRTHM1251300

(Finished Product Material code)



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焊缝传感器

Weld seam sensor

成品料号 : BRTHF1801010

(Finished Product Material code)



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伯朗特 工装系列

BORUNTE Tools and Fixtures Series

机器人通用升降平台 (500kg)

Robot universal lifting platform (500kg)

成品料号 : BRTPT105005A

(Finished Product Material code)



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机型信息



机器人通用升降平台 (100kg)

Robot universal lifting platform (100kg)

成品料号 : BRTPT105001A

(Finished Product Material code)



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加热气动剪刀

Heating pneumatic scissors

成品料号 : BRTQJ1010350

(Finished Product Material code)



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六维力拖动设备

Six axis force drag device

成品料号 : BRTTD5010850

(Finished Product Material code)



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码垛夹爪治具

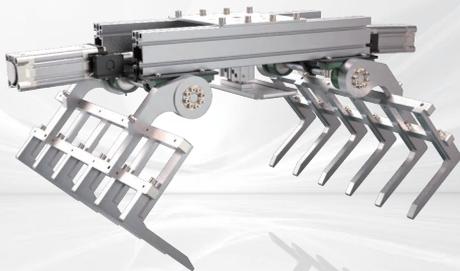
Palletizing gripper fixture

成品料号 : BRTMJ6420250

(Finished Product Material code)



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机型信息



喷涂换色阀

Spray color changing valve

成品料号 : BRTHS0402050

(Finished Product Material code)



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伯朗特 工装系列

BORUNTE Tools and Fixtures Series

气动浮动电主轴

Pneumatic floating electric spindle

成品料号 : BRTQD032401A
(Finished Product Material code)



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气动浮动气主轴

Pneumatic floating pneumatic spindle

成品料号 : BRTQQ026001A
(Finished Product Material code)



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机型信息



气动浮动热振刀

Pneumatic floating thermal vibrating knife

成品料号 : BRTQG032001A
(Finished Product Material code)



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机型信息



柔性工装夹具

Flexible tool fixture

成品料号 : BRTRJ5025060
(Finished Product Material code)



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柔性伺服电动夹爪

Servo Electric Gripper

成品料号 : BRTDZ0712030
(Finished Product Material code)



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机型信息



伺服涂胶阀

Servo glue valve

成品料号 : BRTTJ3010800
(Finished Product Material code)



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伯朗特 工装系列

BORUNTE Tools and Fixtures Series

拖动示教器

Drag device teaching pendant

成品料号 : BRTTD12AA000

(Finished Product Material code)



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机型信息



旋杯雾化器

Rotary cup atomizer

成品料号 : BRTXB0504040

(Finished Product Material code)



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针刺式拆垛治具

Needle punched palletizing fixture

成品料号 : BRTCJ8520500

(Finished Product Material code)



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轴向力位补偿器

Axial force position compensator

成品料号 : BRTL020001A

(Finished Product Material code)



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机型信息



专版码垛大屏系统

Specialized large screen palletizing system

成品料号 : BRTZJ01N2200

(Finished Product Material code)



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机型信息



机器人附加轴电控柜 (双轴1.8kw)

Robot additional axis electrical control cabinet (Dual axis 1.8kw)

成品料号 : BRTFJ02H2200

(Finished Product Material code)



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