

# 人民伯朗特

人民对美好生活的向往  
就是伯朗特奋斗的目标



## 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  $\pm 0.02\text{mm}$ .

扫码获得更多  
机型信息

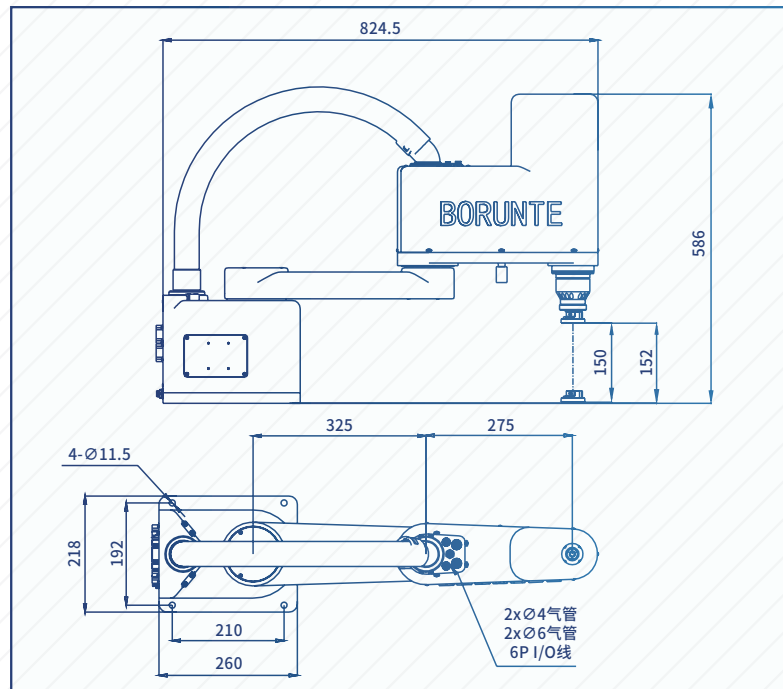


\*工具具体参数请翻阅附录。\*Refer to **appendix** for the specific parameters of tool.

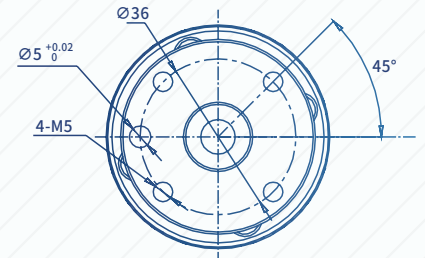
## 主要规格 Main Specification

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

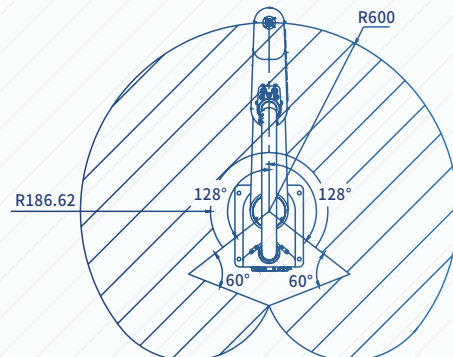
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



### 末端法兰 安装尺寸 END FLANGE MOUNTING SIZE



### 活动范围 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

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  $\pm 0.05\text{mm}$ .

扫码获得更多  
机型信息

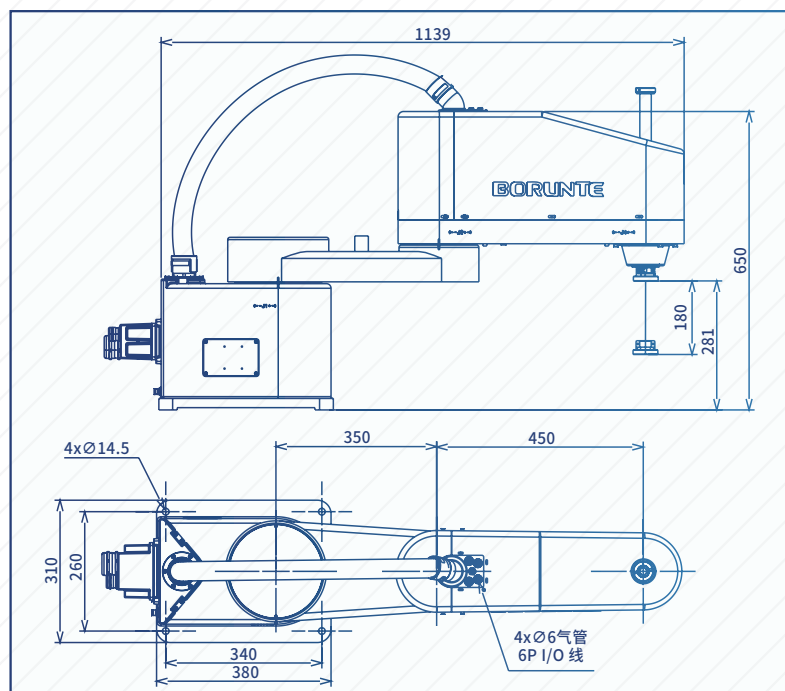


\*工装具体参数请翻阅附录。\*Refer to appendix for the specific parameters of tool.

## 主要规格 Main Specification

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

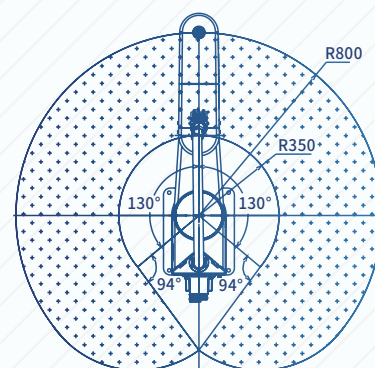
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



末端法兰  
安装尺寸  
END FLANGE  
MOUNTING SIZE



活动范围  
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

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  $\pm 0.1$  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  $\pm 0.1$ mm.

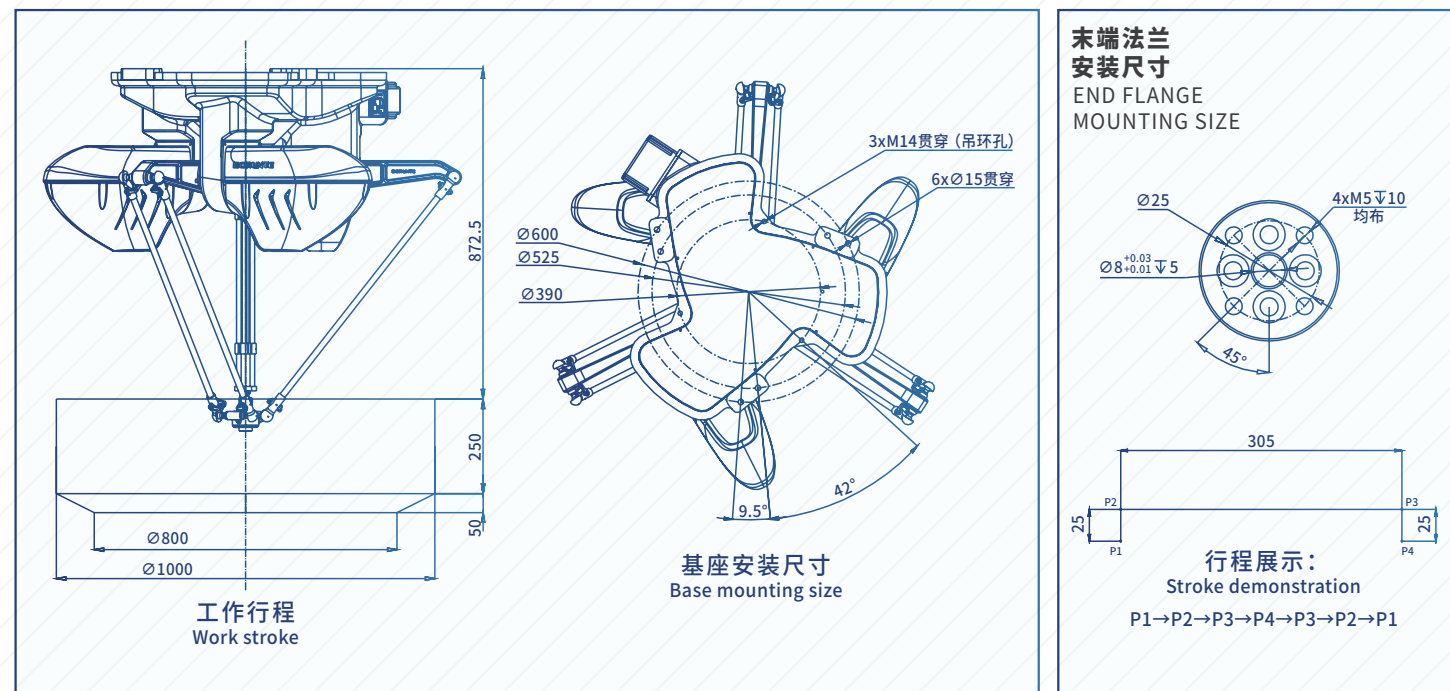


\*工装具体参数请翻阅附录。\*Refer to appendix for the specific parameters of tool.

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                       | 主动臂/Master Arm                           |        | 末端/End                  | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading Ability | 位置重复定位精度 (mm)<br>location repeated positioning accuracy | 角度重复定位精度 (°)<br>Angle repeated positioning accuracy | 允许负载最大转动惯量 (kg.m <sup>2</sup> )<br>Maximum allowable moment of inertia of load | 电源电容 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|-------------------------------|------------------------------------------|--------|-------------------------|-----------------------|----------------------------|---------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------|----------------------------|-------------------|
|              |                               | 上摆/Upper                                 | 下摆/Hem | J4                      |                       |                            |                                                         |                                                     |                                                                                |                            |                   |
| BRTIRPL1003A | 范围(°)<br>Range                | 46.7°                                    | 86.6°  | $\pm 360^\circ$         | 1000                  | 3                          | $\pm 0.1$                                               | $\pm 0.5$                                           | 0.01                                                                           | 3.18                       | 约104<br>about104  |
|              | 节拍(次/min)<br>Rhythm(time/min) | 行程:25/305/25(mm)<br>stroke:25/305/25(mm) |        | 150次/min<br>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：IP40。

精度高：重复定位精度  $\pm 0.1$  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  $\pm 0.1$ mm.

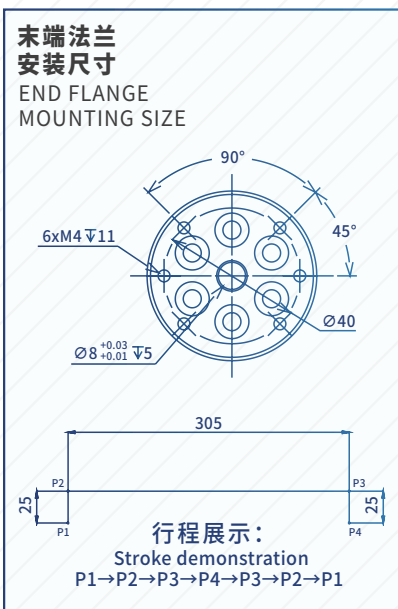
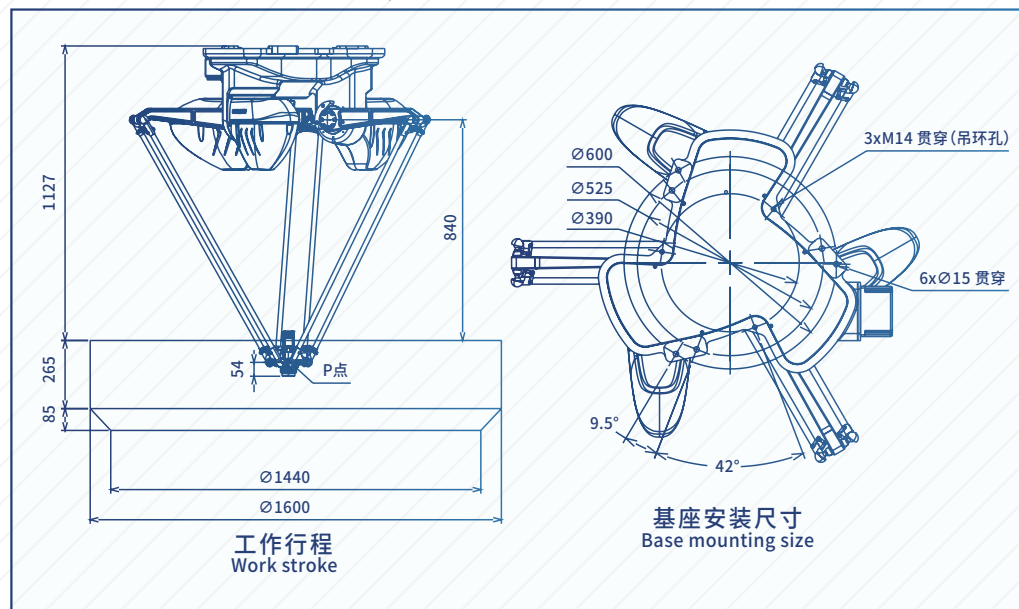


\*工装具体参数请翻阅附录。\*Refer to appendix for the specific parameters of tool.

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                                                                         | 主动臂/Master Arm |        | 末端/End |       | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading Ability | 位置重复定位精度<br>(mm)<br>location repeated<br>positioning accuracy | 角度重复定位精度<br>(°)<br>Angle repeated<br>positioning accuracy | 允许负载最大转动惯量<br>(kg.m²)<br>Maximum allowable<br>moment of inertia of load | 电源电容 (kVA)<br>Power Source | 重量(kg)<br>Weight |                 |
|--------------|---------------------------------------------------------------------------------|----------------|--------|--------|-------|----------------------|---------------------------|---------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------|----------------------------|------------------|-----------------|
|              |                                                                                 | 上摆/Upper       | 下摆/Hem | J4     |       |                      |                           |                                                               |                                                           |                                                                         |                            |                  |                 |
| BRTIRPL1608A | 范围(°)<br>Range                                                                  | 38°            | 98°    |        | ±360° |                      | 1600                      | 8                                                             | ±0.1                                                      | ±0.5                                                                    | 0.01                       | 6.36             | 约95<br>about 95 |
|              | 节拍所带负载(kg)<br>Cyclic loading (kg)                                               | 0kg            | 3kg    | 5kg    | 8kg   |                      |                           |                                                               |                                                           |                                                                         |                            |                  |                 |
|              | 节拍 (次/min)<br>(行程:25/305/25 (mm))<br>Rhythm(time/min)<br>(stroke:25/305/25(mm)) | 150            | 150    | 130    | 115   |                      |                           |                                                               |                                                           |                                                                         |                            |                  |                 |

## 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

BRTIRPZ1508A 采用全伺服电机驱动，响应速度快，精度高。其最大负载为 8kg，最大臂展可达 1500mm。以紧凑的结构实现大范围动作，运动灵活，精准。用途：在工业生产中能代替人做某些单调、频繁和重复的长时间作业，或是危险、恶劣环境下的作业，例如在冲压机、压力铸造、热处理、焊接、涂装、塑料制品成形、机械加工和简单装配等工序上，以及在原子能工业等部门中，完成对人体有害物料的搬运或工艺操作等，完美完成上下料工艺。

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 1500mm. Compact structure achieves a wide range of movements, flexible sports, precise. Suitable for dangerous and harsh environments, such as stamping, pressure casting, heat treatment, welding, painting, plastic molding, machining and simple assembly processes. And in the atomic energy industry, completing the handling of hazardous materials and others. It is suitable for punching.

The protection grade reaches IP40.

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

扫码获得更多  
机型信息



·BRTPZ1508AFZ·

机型+非磁性分张器  
Robot+Non-magnetic splitter

·BRTPZ1508AHM·

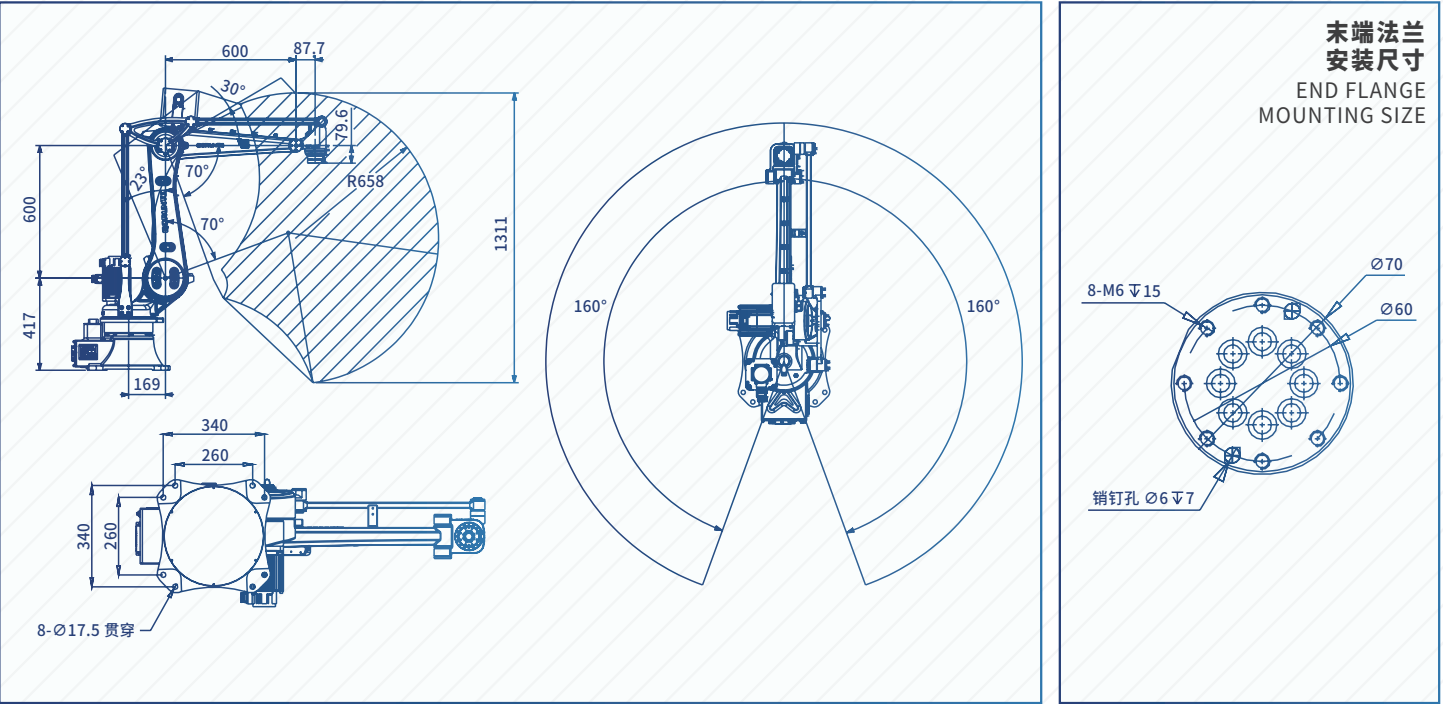
机型+海绵吸盘  
Robot+Sponge suction cups

\*工装具体参数请翻阅附录。\*Refer to appendix for the specific parameters of tool.

主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm          |                       |                       | 手腕/Wrist        |    |                      | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|-------------------------|-----------------|-----------------------|-----------------------|-----------------|----|----------------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|-------------------|
|              |                         | J1              | J2                    | J3                    | J4              | J5 | R34                  |                       |                            |                                              |                            |                   |
| BRTIRPZ1508A | 范围 (°)<br>Range         | $\pm 160^\circ$ | $-70^\circ/+23^\circ$ | $-70^\circ/+30^\circ$ | $\pm 360^\circ$ | /  | $60^\circ-165^\circ$ | 1500                  | 8                          | $\pm 0.05$                                   | 3.18                       | 约150<br>about 150 |
|              | 最大速度 (°/s)<br>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



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

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  $\pm 0.08\text{mm}$ 。

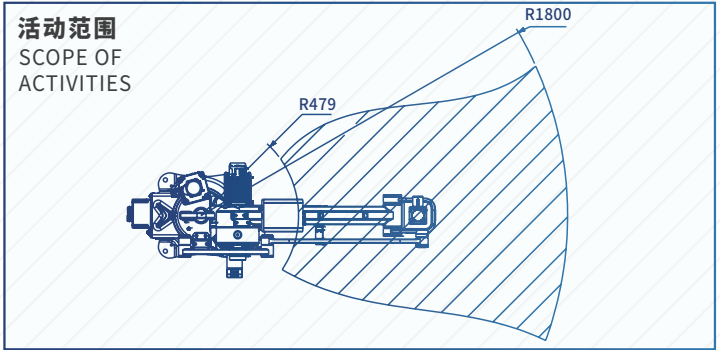
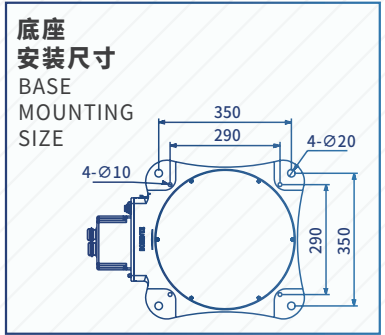
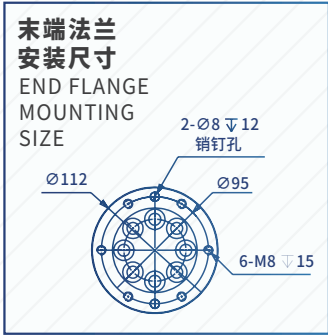
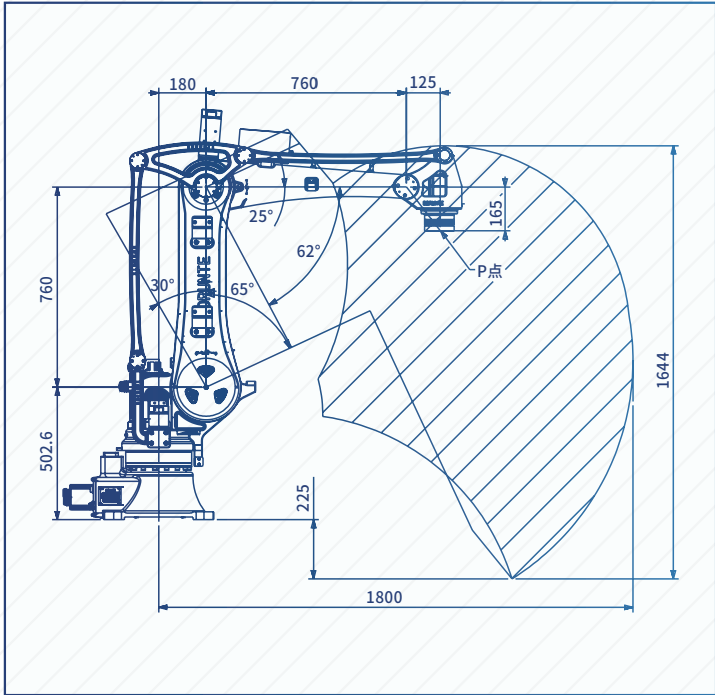
BRTIRPZ1825A type robot is a four-axis robot that developed by BORUNTE for some monotonous, frequent and repetitive long-term operations or operations in dangerous and harsh environments. The maximum arm length is 1800mm. The maximum load is 25kg. It's flexible with multiple degrees of freedom. Suitable 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)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight  |
|--------------|--------------------------|-----------------|-----------------------|-----------------------|-----------------|----------------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|--------------------|
|              |                          | J1              | J2                    | J3                    | J4              | R34                  |                       |                            |                                              |                            |                    |
| BRTIRPZ1825A | 范围 (°)<br>Range          | $\pm 155^\circ$ | $-65^\circ/+30^\circ$ | $-62^\circ/+25^\circ$ | $\pm 360^\circ$ | $60^\circ-170^\circ$ | 1800                  | 25                         | $\pm 0.08$                                   | 7.33                       | 约 256<br>about 256 |
|              | 最大速度 (°/s)<br>Max. speed | 175°/s          | 135°/s                | 123°/s                | 300°/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

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 465mm，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 465mm, 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.

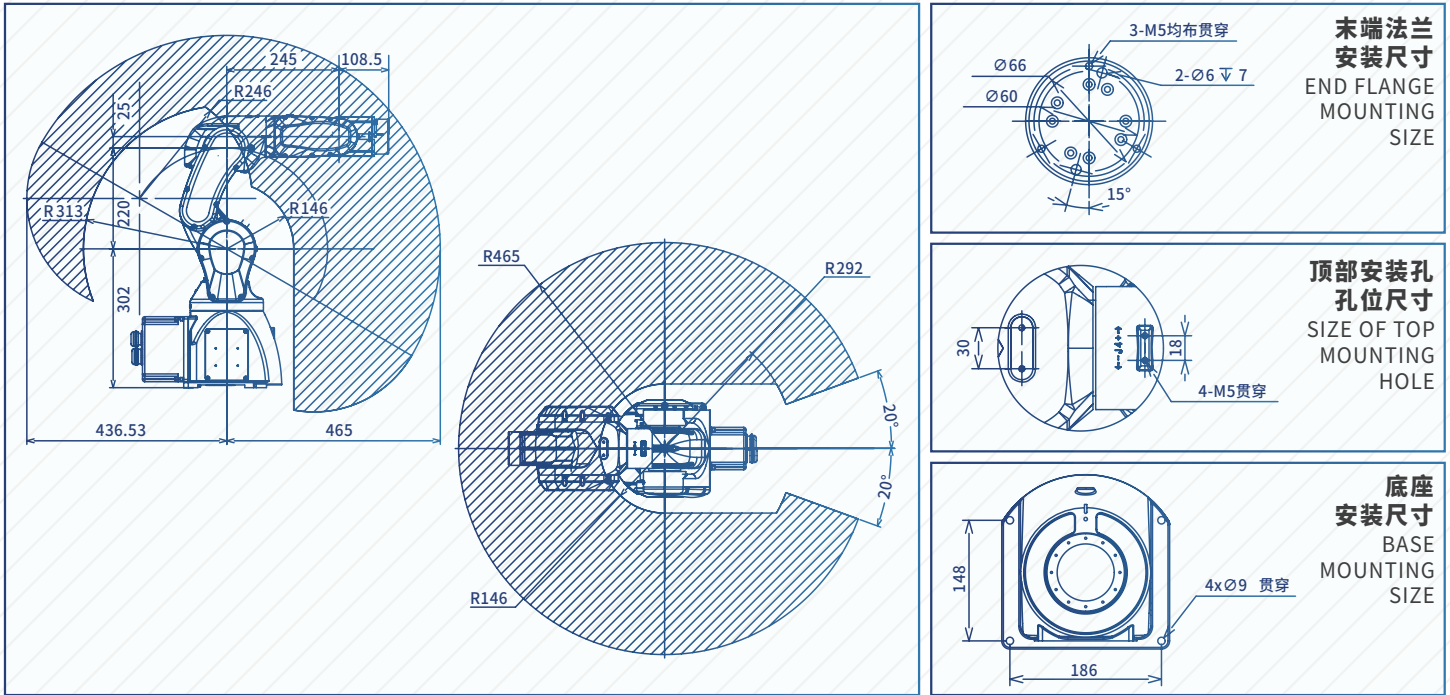
The repeat positioning accuracy is  $\pm 0.06\text{mm}$ .



主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                        |                        | 手腕/Wrist        |                 |                 | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight |
|--------------|------------------------|-----------------|------------------------|------------------------|-----------------|-----------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|------------------|
|              |                        | J1              | J2                     | J3                     | J4              | J5              | J6              |                      |                           |                                             |                           |                  |
| BRTIRUS0401A | 范围(°)<br>Range         | $\pm 160^\circ$ | $-120^\circ/+60^\circ$ | $-60^\circ/+180^\circ$ | $\pm 180^\circ$ | $\pm 110^\circ$ | $\pm 360^\circ$ | 465                  | 1                         | $\pm 0.06$                                  | 2.03                      | 约21<br>about 21  |
|              | 最大速度(°/s)<br>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



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

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  $\pm 0.05\text{mm}$ .

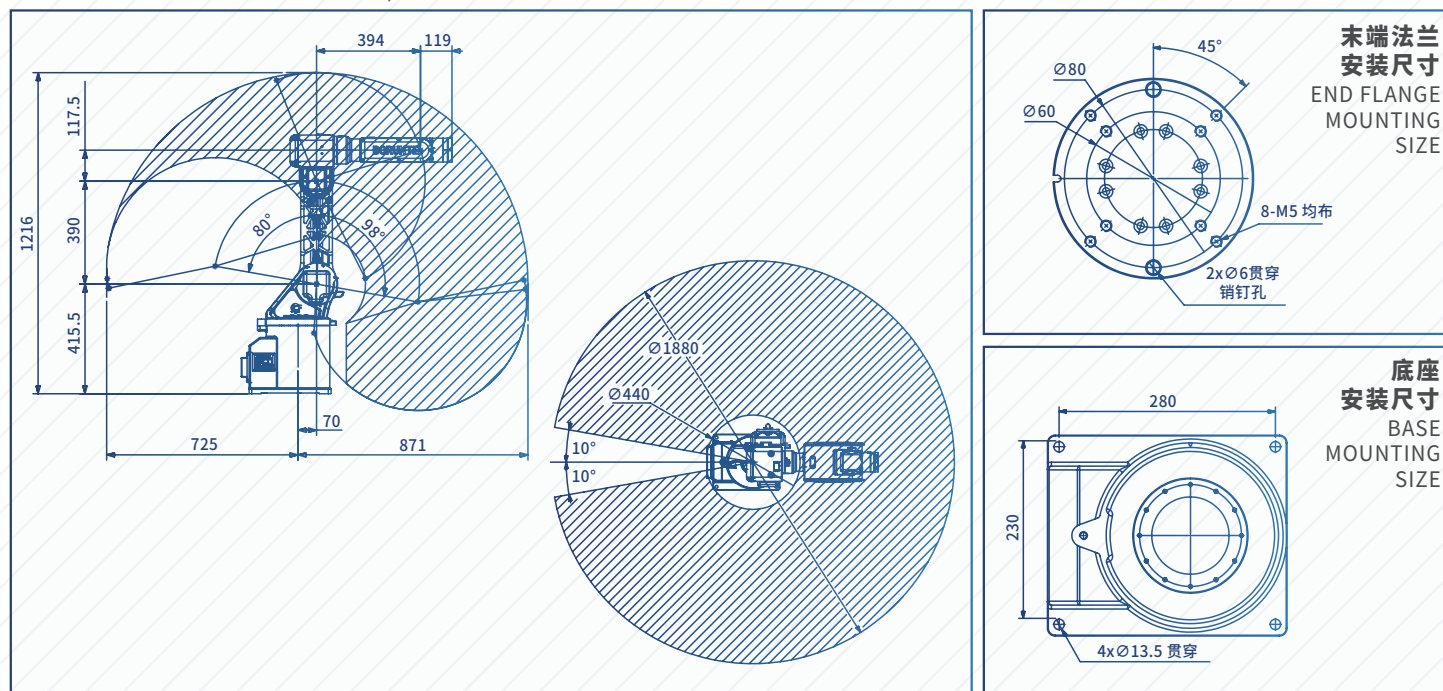


\*工装具体参数请翻阅附录。 \*Refer to appendix for the specific parameters of tool.

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                       |                       | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|------------------------|-----------------|-----------------------|-----------------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|-------------------|
|              |                        | J1              | J2                    | J3                    | J4              | J5              | J6              |                       |                            |                                              |                            |                   |
| BRTIRUS0805A | 范围(°)<br>Range         | $\pm 170^\circ$ | $-98^\circ/+80^\circ$ | $-80^\circ/+95^\circ$ | $\pm 180^\circ$ | $\pm 120^\circ$ | $\pm 360^\circ$ | 940                   | 5                          | $\pm 0.05$                                   | 3.67                       | 约53<br>about 53   |
|              | 最大速度(°/s)<br>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



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.

# BRTIRUS0707A

六轴机器人  
Six-axis Robot

## 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 700mm 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 700mm. 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  $\pm 0.03\text{mm}$ .

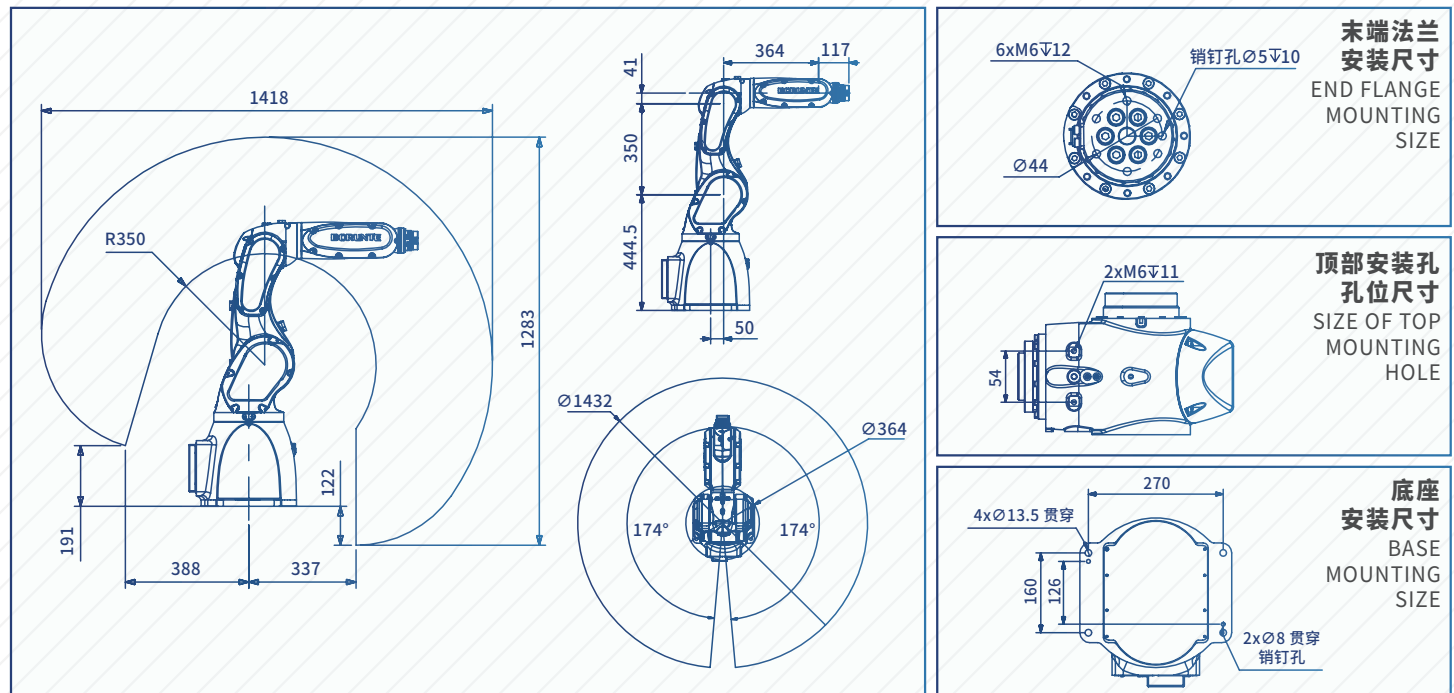


\*工装具体参数请翻阅附录。\*Refer to appendix for the specific parameters of tool.

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm          |                        |                        | 手腕/Wrist        |                 |                 | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight |
|--------------|-------------------------|-----------------|------------------------|------------------------|-----------------|-----------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|------------------|
|              |                         | J1              | J2                     | J3                     | J4              | J5              | J6              |                      |                           |                                             |                           |                  |
| BRTIRUS0707A | 范围(°)<br>Range          | $\pm 174^\circ$ | $-125^\circ/+85^\circ$ | $-60^\circ/+175^\circ$ | $\pm 180^\circ$ | $\pm 120^\circ$ | $\pm 360^\circ$ | 700                  | 7                         | $\pm 0.03$                                  | 2.93                      | 约55<br>about 55  |
|              | 最大速度(°/s)<br>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



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

BRTIRPH1210A 是伯朗特针对焊接和去毛刺、打磨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 10kg，臂展 1225mm。腕部采用中空结构，走线更方便、动作更灵活。一二三关节均安装了高精度减速机，四五六关节均采用了高精度齿轮结构，高速的关节速度能进行灵活的作业。  
防护等级高：IP54，防尘防水。  
精度高：重复定位精度  $\pm 0.07\text{mm}$ 。

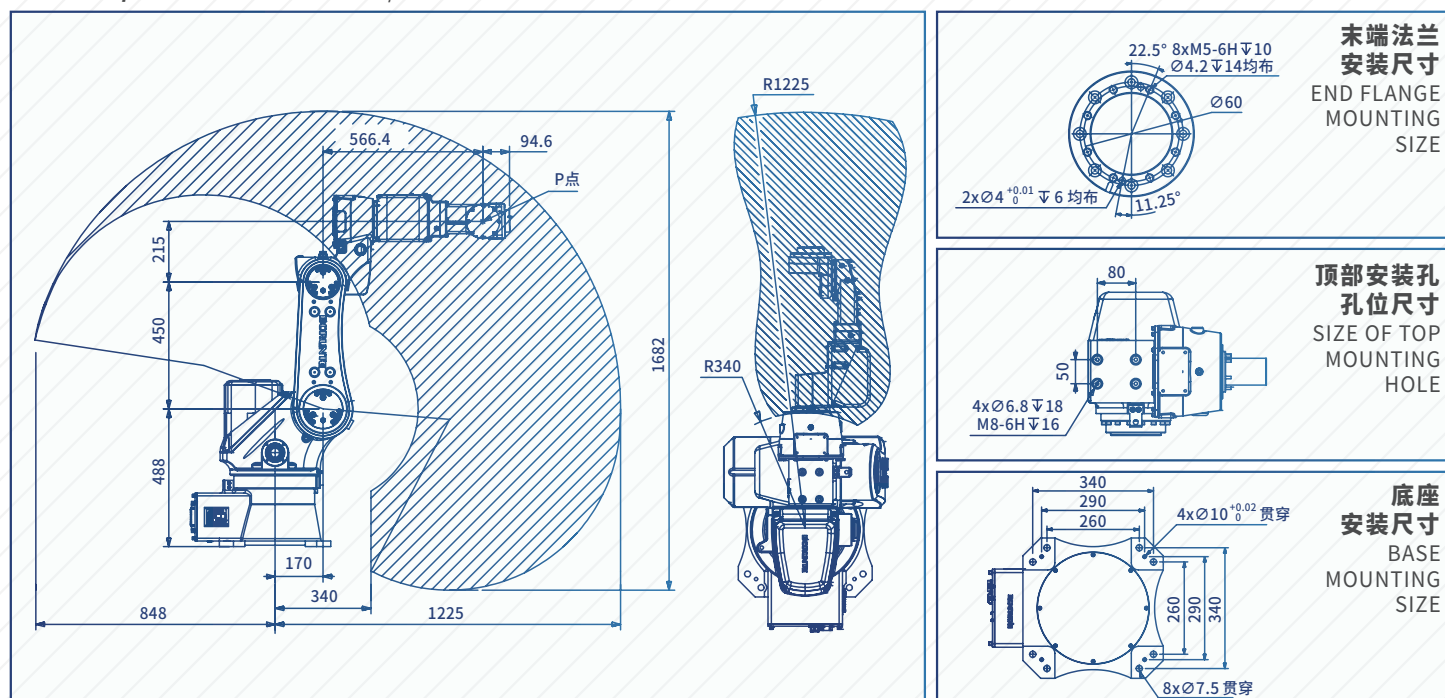
BRTIRPH1210A is a six-axis robot developed by BORUNTE for the welding, deburring and grinding application industries. It is compact in shape, small in size, light in weight, with a maximum load of 10kg and an arm span of 1225mm. Its wrist adopts a hollow structure, which makes the wiring more convenient and the movement more flexible. The first, second and third joints are all equipped with high-precision reducers, and the fourth, fifth and sixth joints are all equipped with high-precision gear structures. The high-speed joint speed enables flexible operation. The protection grade reaches IP54. Dust-proof and water-proof. 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)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|------------------------|-----------------|-----------------------|----------------|-----------------|-------------------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|-------------------|
|              |                        | J1              | J2                    | J3             | J4              | J5                      | J6              |                       |                            |                                              |                            |                   |
| BRTIRPH1210A | 范围(°)<br>Range         | $\pm 165^\circ$ | $-95^\circ/+70^\circ$ | $\pm 80^\circ$ | $\pm 155^\circ$ | $-130^\circ/+120^\circ$ | $\pm 360^\circ$ | 1225                  | 10                         | $\pm 0.07$                                   | 4.3                        | 约155<br>about 155 |
|              | 最大速度(°/s)<br>Max.speed | 164°/s          | 149°/s                | 185°/s         | 384°/s          | 396°/s                  | 461°/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

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 1500mm 臂展。采用轻量式手臂设计，机械结构紧凑、简洁，在高速运动状态下，能够在狭小工作空间内进行灵活作业，满足柔性化生产需要。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。操作简单一采用华成控制系统。适用于注塑机：200T-600T。  
防护等级高：IP54 防尘防水  
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 1500mm. 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. Dust-proof and water-proof. The repeat positioning accuracy is  $\pm 0.05\text{mm}$ .

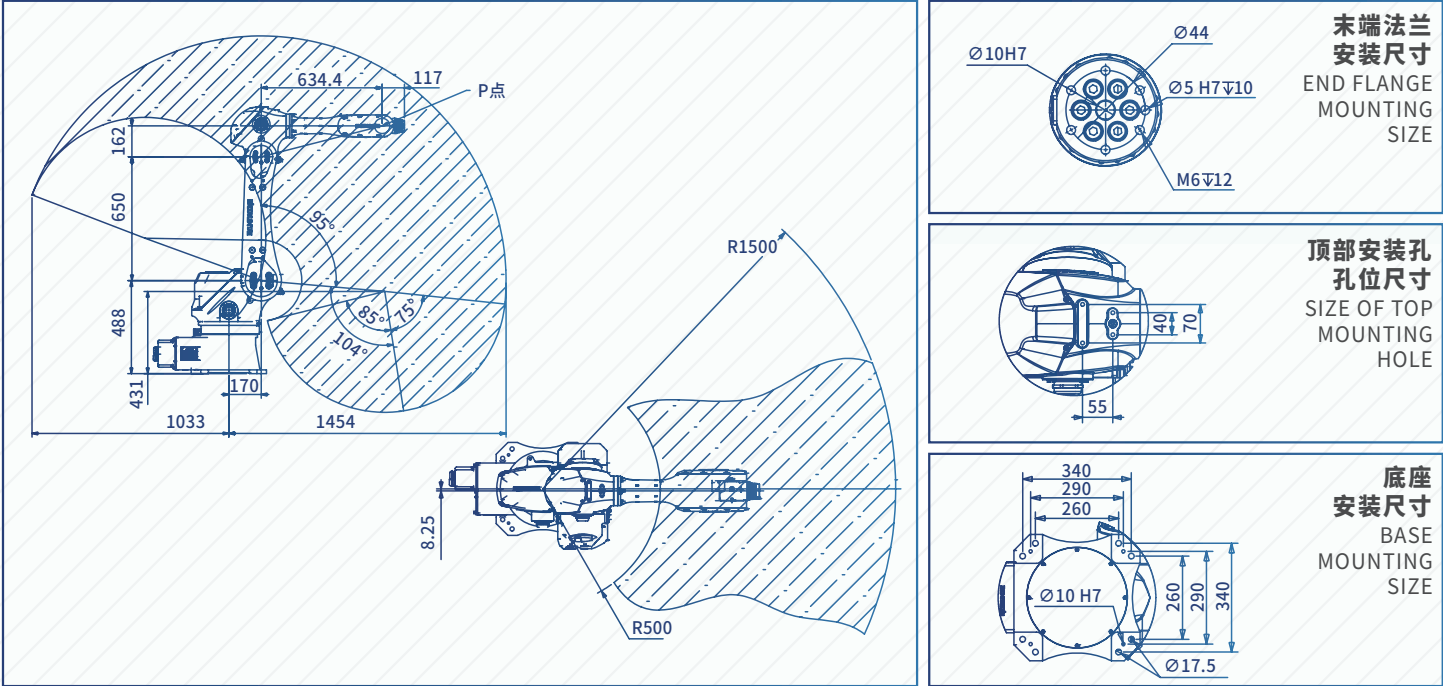


\* 工装具体参数请翻阅附录。 \* Refer to appendix for the specific parameters of tool.

主要规格 Main Specification

| 机型/Model     | 项目/Item                  | 手臂/Arm          |                       |                       | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight  |
|--------------|--------------------------|-----------------|-----------------------|-----------------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|--------------------|
|              |                          | J1              | J2                    | J3                    | J4              | J5              | J6              |                       |                            |                                              |                            |                    |
| BRTIRUS1510A | 范围 (°)<br>Range          | $\pm 165^\circ$ | $-95^\circ/+70^\circ$ | $-85^\circ/+75^\circ$ | $\pm 180^\circ$ | $\pm 115^\circ$ | $\pm 360^\circ$ | 1500                  | 10                         | $\pm 0.05$                                   | 5.06                       | 约 150<br>about 150 |
|              | 最大速度 (°/s)<br>Max. speed | 190°/s          | 173°/s                | 223°/s                | 250°/s          | 270°/s          | 336°/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

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 1600mm。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 1600mm. The wrist applies hollow structure with more convenient trace and flexible action.

The protection grade reaches IP54.

Dust-proof and water-proof.

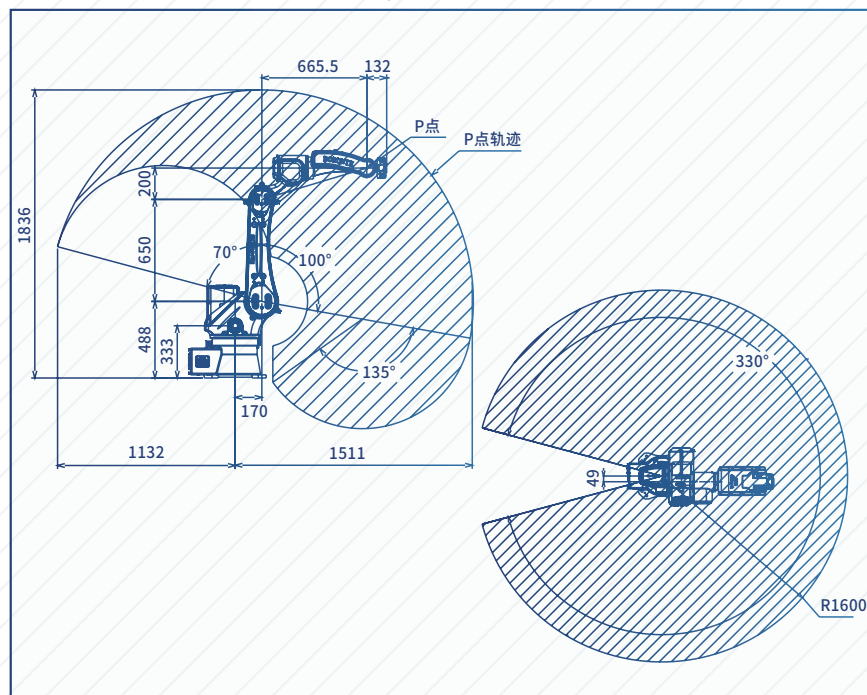
The repeat positioning accuracy is  $\pm 0.05\text{mm}$ .



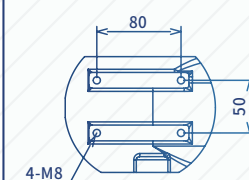
## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                        |                | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|------------------------|-----------------|------------------------|----------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|-------------------|
|              |                        | J1              | J2                     | J3             | J4              | J5              | J6              |                       |                            |                                              |                            |                   |
| BRTIRWD1506A | 范围(°)<br>Range         | $\pm 165^\circ$ | $-100^\circ/+70^\circ$ | $\pm 80^\circ$ | $\pm 150^\circ$ | $\pm 110^\circ$ | $\pm 360^\circ$ | 1600                  | 6                          | $\pm 0.05$                                   | 4.64                       | 约166<br>about 166 |
|              | 最大速度(°/s)<br>Max.speed | 163°/s          | 149°/s                 | 223°/s         | 169°/s          | 270°/s          | 398°/s          |                       |                            |                                              |                            |                   |

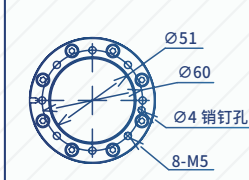
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



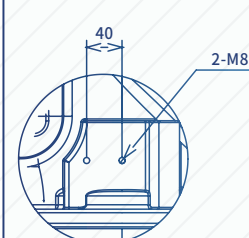
### 送丝机安装尺寸 WIRE FEEDER MOUNTING SIZE



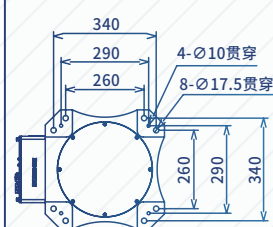
### 末端法兰安装尺寸 END FLANGE MOUNTING SIZE



### 送丝盘安装尺寸 WIRE FEEDING PLATE MOUNTING SIZE



### 底座安装尺寸 BASE MOUNTING SIZE



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

BRTIRWD1606A 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 1600mm。腕部采用中空结构，走线更方便、动作更灵活。一二三关节均安装了高精度减速机，四五六关节均采用了高精度齿轮结构，高速的关节速度能进行灵活的作业。  
防护等级高：IP54，防尘防水。  
精度高：重复定位精度  $\pm 0.05\text{mm}$ 。

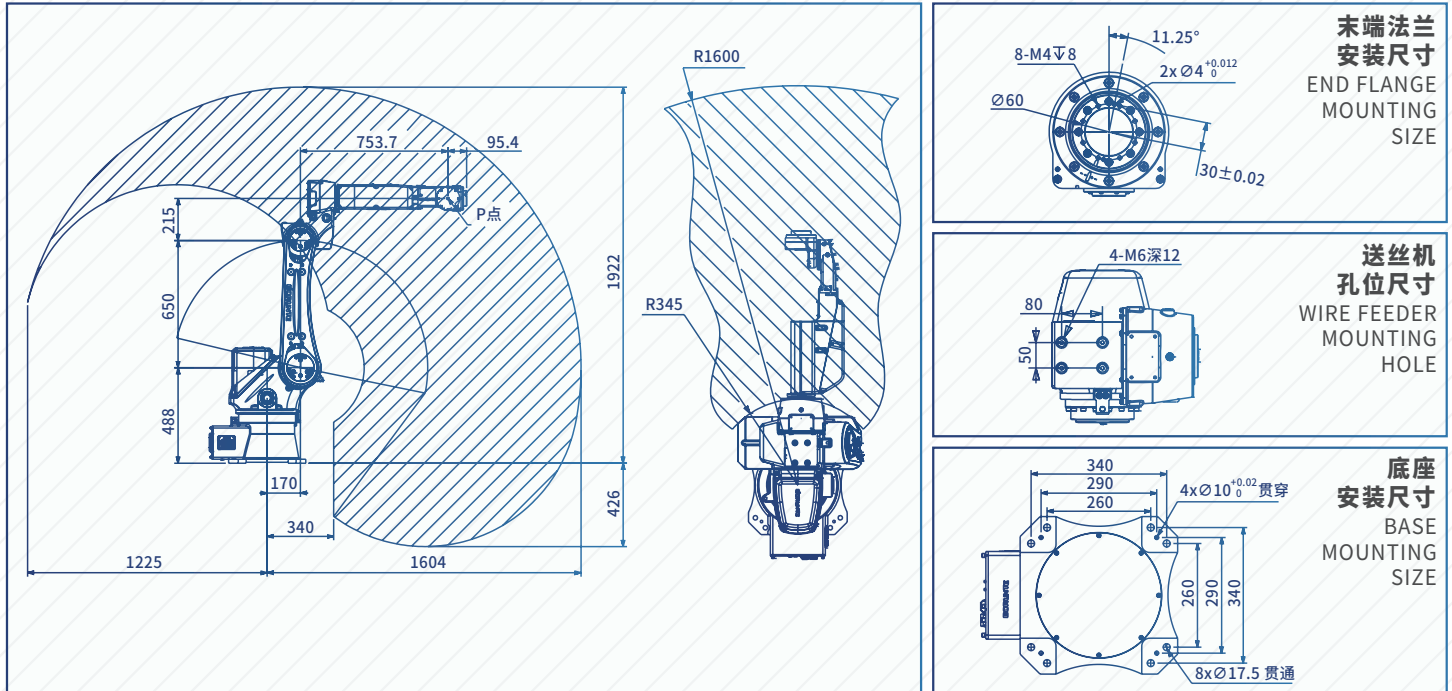
BRTIRWD1606A six-axis robot is developed for welding application industry. The robot is compact in shape, small in size and light in weight. Its maximum load is 6kg and its arm span is 1600mm. Wrist hollow structure, more convenient line, more flexible action. The first, second and third joints are equipped with high-precision reducers, and the fourth, fifth and sixth joints are equipped with high-precision gear structures, so the high-speed joint speed can carry out flexible operations.  
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)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight      |
|--------------|-------------------------|-----------------|-----------------------|----------------|-----------------|-------------------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|-----------------------|
|              |                         | J1              | J2                    | J3             | J4              | J5                      | J6              |                      |                           |                                             |                           |                       |
| BRTIRWD1606A | 范围(°)<br>Range          | $\pm 165^\circ$ | $-95^\circ/+70^\circ$ | $\pm 80^\circ$ | $\pm 155^\circ$ | $-130^\circ/+120^\circ$ | $\pm 360^\circ$ | 1600                 | 6                         | $\pm 0.05$                                  | 6.11                      | 约157.5<br>about 157.5 |
|              | 最大速度(°/s)<br>Max. speed | 158°/s          | 143°/s                | 228°/s         | 342°/s          | 300°/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

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 1850mm 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 1850mm. Lightweight arm design, compact and simple mechanical structure, in the state of high speed movement, can be carried out in a small workspace speed 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  $\pm 0.05\text{mm}$ .

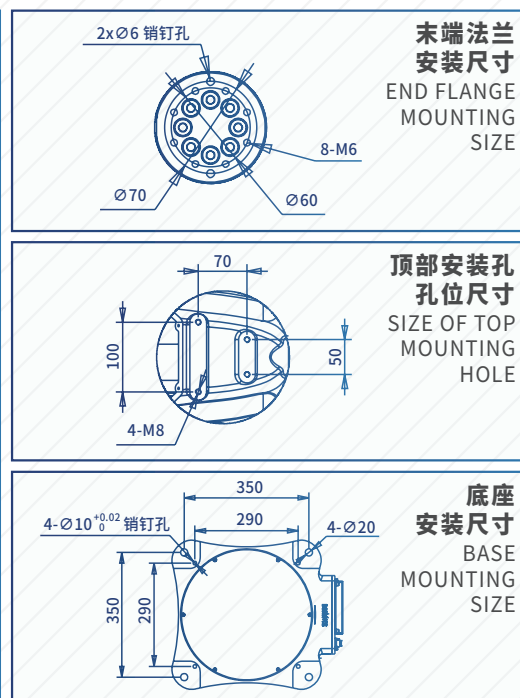
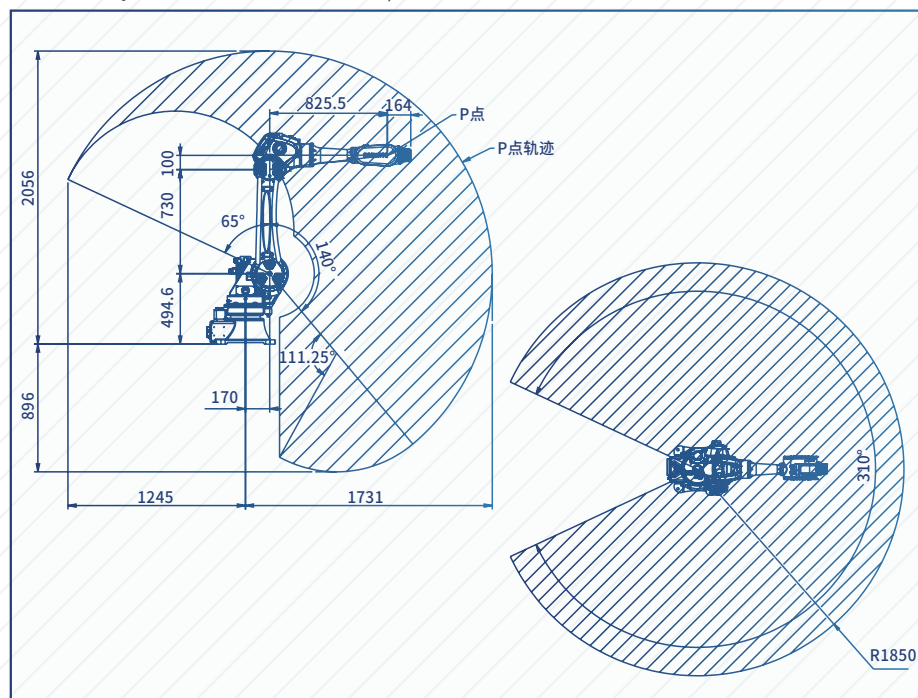


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                        |                        | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|------------------------|-----------------|------------------------|------------------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|-------------------|
|              |                        | J1              | J2                     | J3                     | J4              | J5              | J6              |                       |                            |                                              |                            |                   |
| BRTIRUS1820A | 范围(°)<br>Range         | $\pm 155^\circ$ | $-140^\circ/+65^\circ$ | $-75^\circ/+110^\circ$ | $\pm 180^\circ$ | $\pm 115^\circ$ | $\pm 360^\circ$ | 1850                  | 20                         | $\pm 0.05$                                   | 5.87                       | 约230<br>about 230 |
|              | 最大速度(°/s)<br>Max.speed | 110.2°/s        | 140.5°/s               | 133.9°/s               | 272.7°/s        | 240°/s          | 375°/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

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 2200mm。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 2200mm. 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  $\pm 0.08\text{mm}$ .

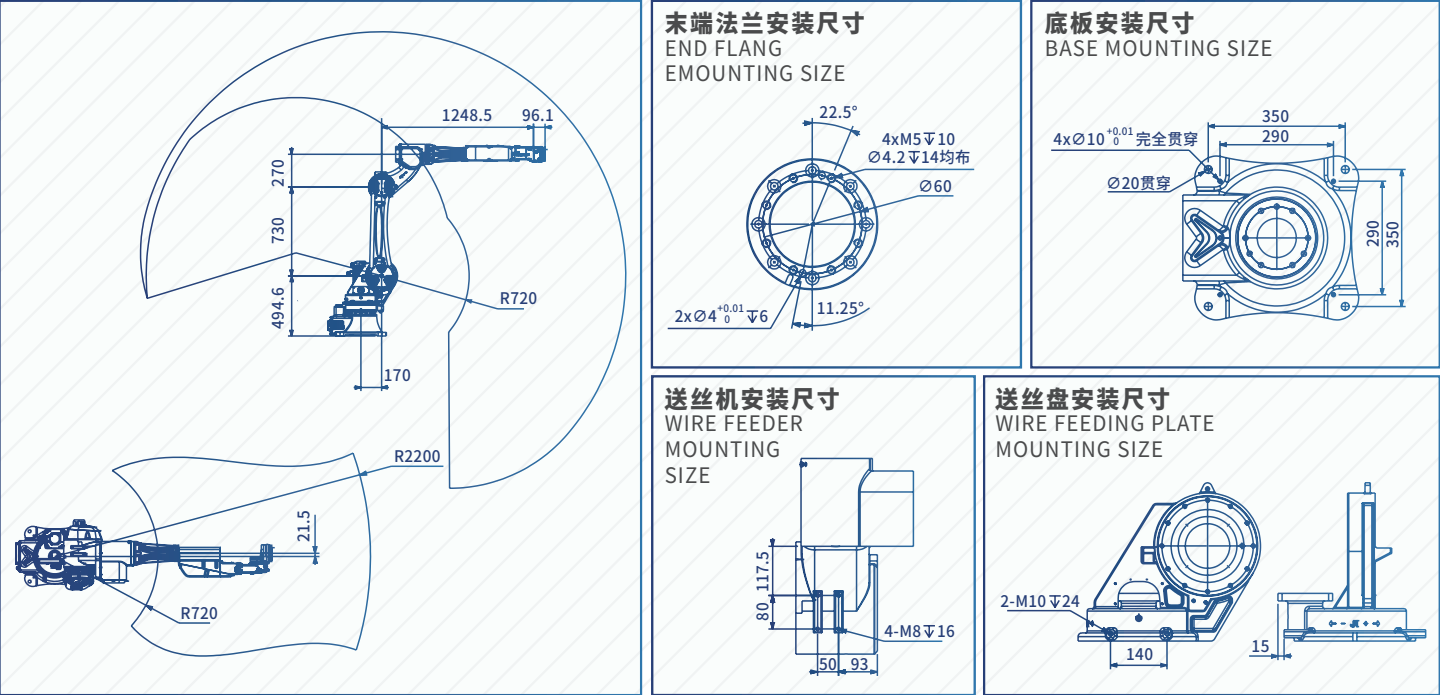


扫码获得更多  
机型信息

主要规格 Main Specification

| 机型/Model     | 项目/Item                  | 手臂/Arm          |                  |                  | 手腕/Wrist        |                   |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight  |
|--------------|--------------------------|-----------------|------------------|------------------|-----------------|-------------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|--------------------|
|              |                          | J1              | J2               | J3               | J4              | J5                | J6              |                       |                            |                                              |                            |                    |
| BRTIRWD2206A | 范围 (°)<br>Range          | $\pm 155^\circ$ | $-130/+68^\circ$ | $-75/+110^\circ$ | $\pm 153^\circ$ | $-130/+120^\circ$ | $\pm 360^\circ$ | 2200                  | 6                          | $\pm 0.08$                                   | 5.38                       | 约 237<br>about 237 |
|              | 最大速度 (°/s)<br>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 2100mm 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 2100mm. 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  $\pm 0.05\text{mm}$ .

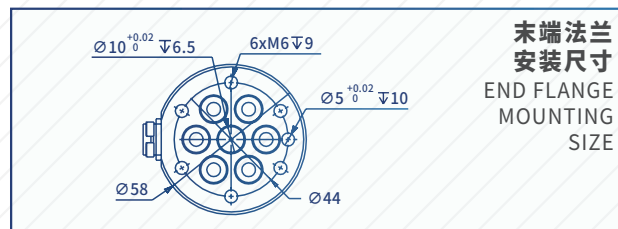
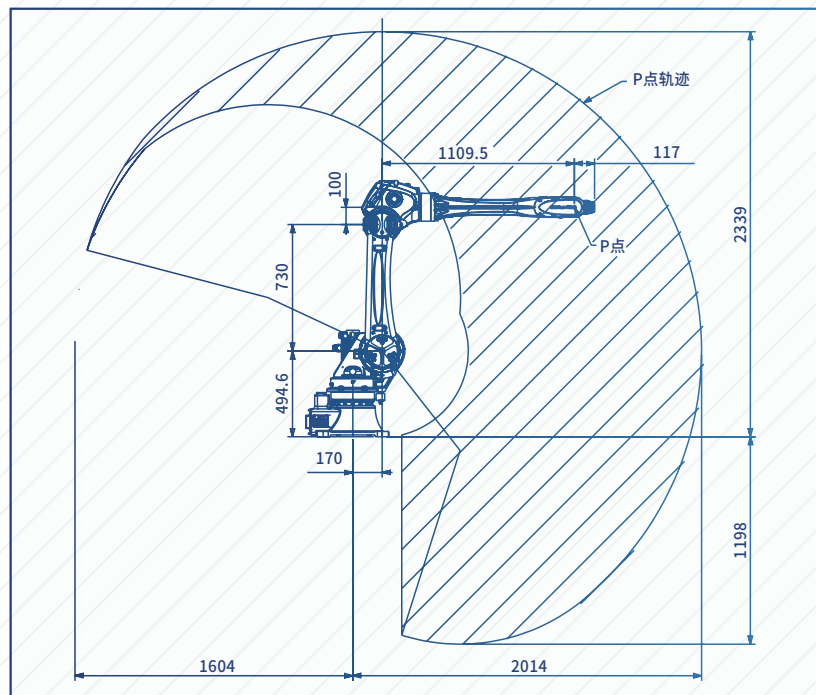


扫码获得更多  
机型信息

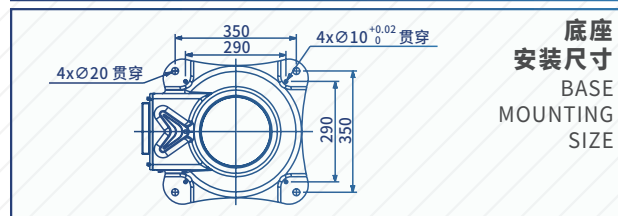
## 主要规格 Main Specification

| 机型/Model     | 项目/Item                  | 手臂/Arm          |                                                   |                          | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|--------------------------|-----------------|---------------------------------------------------|--------------------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|-------------------|
|              |                          | J1              | J2                                                | J3                       | J4              | J5              | J6              |                       |                            |                                              |                            |                   |
| BRTIRUS2110A | 范围 (°)<br>Range          | $\pm 155^\circ$ | $-90^\circ (-140^\circ, \text{下探可调}) / +65^\circ$ | $-75^\circ / +110^\circ$ | $\pm 180^\circ$ | $\pm 115^\circ$ | $\pm 360^\circ$ | 2100                  | 10                         | $\pm 0.05$                                   | 6.48                       | 约230<br>about 230 |
|              | 最大速度 (°/s)<br>Max. speed | 110°/s          | 146°/s                                            | 134°/s                   | 273°/s          | 300°/s          | 336°/s          |                       |                            |                                              |                            |                   |

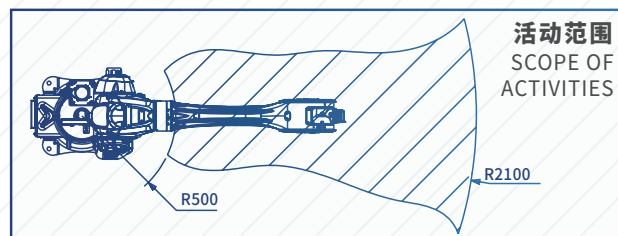
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



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

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

BRTIRSE2013A 是伯朗特针对喷涂应用行业开发的六轴机器人，其拥有 2000mm 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 2000mm 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  $\pm 0.5\text{mm}$ .



扫码获得更多  
机型信息

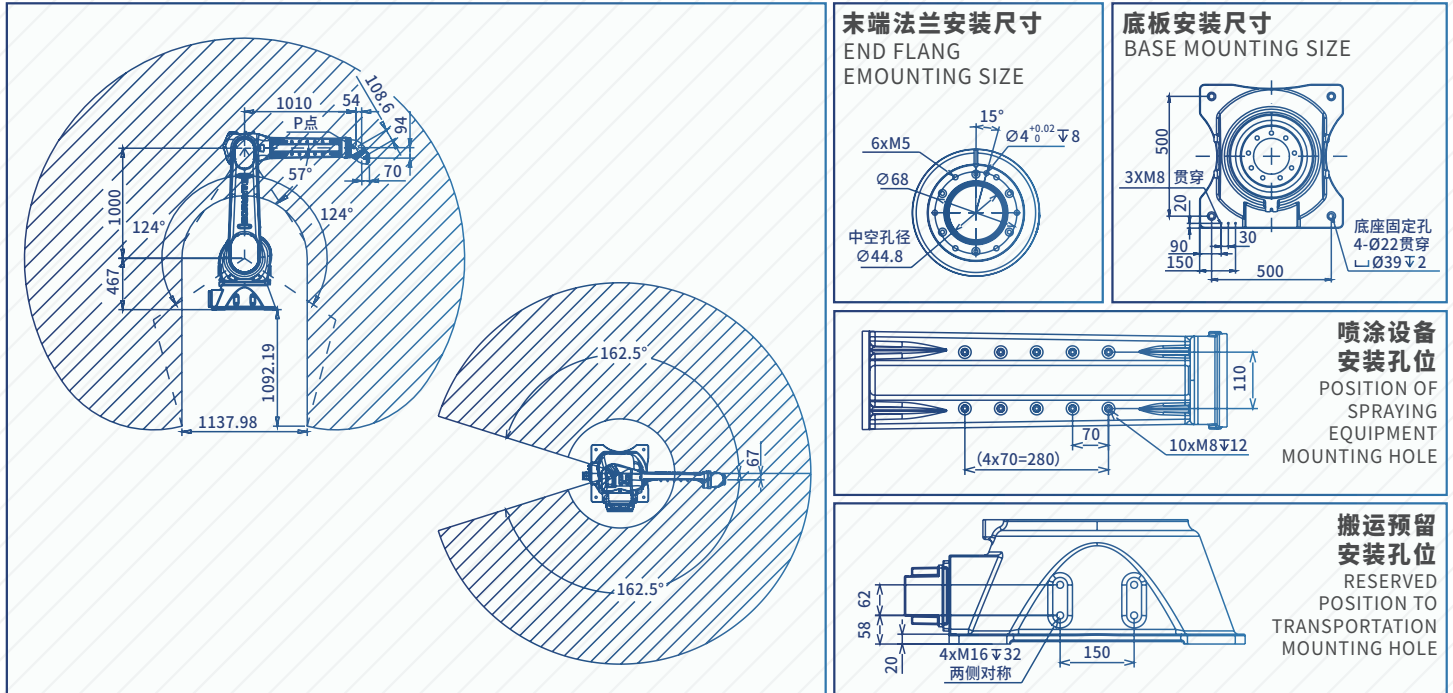
·BRTSE2013AXB·  
机型+旋杯雾化器  
Robot+rotary cup atomizer

\*工装具体参数请翻阅附录。\*Refer to appendix for the specific parameters of tool.

### 主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm            |                 |                        | 手腕/Wrist        |                 |                 | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight |
|--------------|-------------------------|-------------------|-----------------|------------------------|-----------------|-----------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|------------------|
|              |                         | J1                | J2              | J3                     | J4              | J5              | J6              |                      |                           |                                             |                           |                  |
| BRTIRSE2013A | 范围(°)<br>Range          | $\pm 162.5^\circ$ | $\pm 124^\circ$ | $-57^\circ/+237^\circ$ | $\pm 180^\circ$ | $\pm 180^\circ$ | $\pm 360^\circ$ | 2000                 | 13                        | $\pm 0.5$                                   | 6.38                      | 385              |
|              | 最大速度(°/s)<br>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



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

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 2058mm 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 2058mm. 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  $\pm 0.08\text{mm}$ .

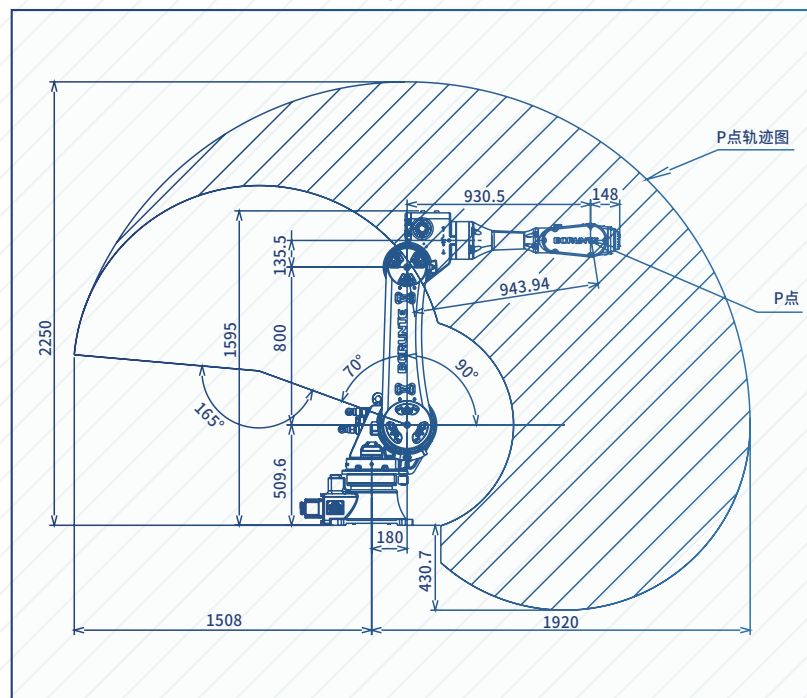


扫码获得更多  
机型信息

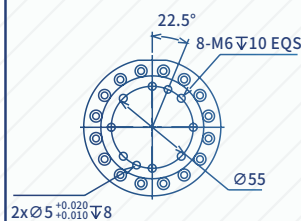
## 主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm          |                       |                        | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|-------------------------|-----------------|-----------------------|------------------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|-------------------|
|              |                         | J1              | J2                    | J3                     | J4              | J5              | J6              |                       |                            |                                              |                            |                   |
| BRTIRUS2030A | 范围 (°)<br>Range         | $\pm 150^\circ$ | $-90^\circ/+70^\circ$ | $-55^\circ/+105^\circ$ | $\pm 180^\circ$ | $\pm 115^\circ$ | $\pm 360^\circ$ | 2058                  | 30                         | $\pm 0.08$                                   | 6.11                       | 约310<br>about 310 |
|              | 最大速度 (°/s)<br>Max.speed | 102°/s          | 103°/s                | 123°/s                 | 245°/s          | 270°/s          | 337°/s          |                       |                            |                                              |                            |                   |

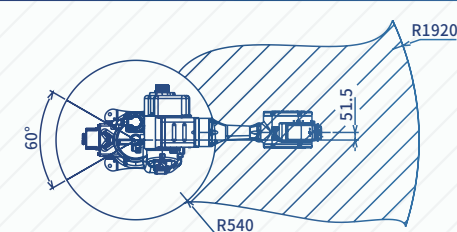
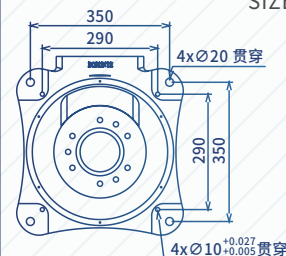
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



### 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

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

BRTIRXZ0805A 是伯朗特自主研发的一款带拖动手教功能的六轴协作机器人，其最大负载为 5kg，最大臂展可达 930mm。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 人机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 930mm. 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.

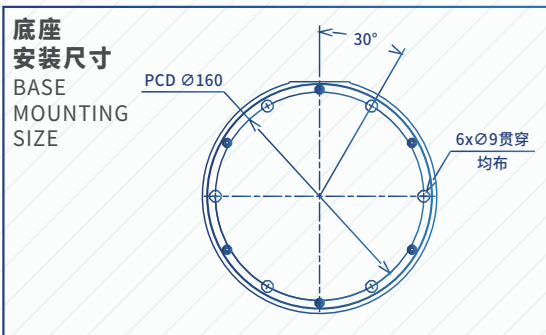
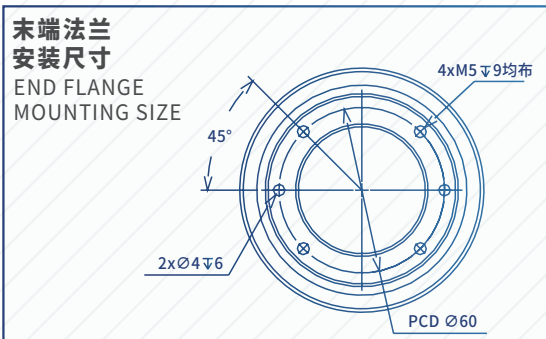
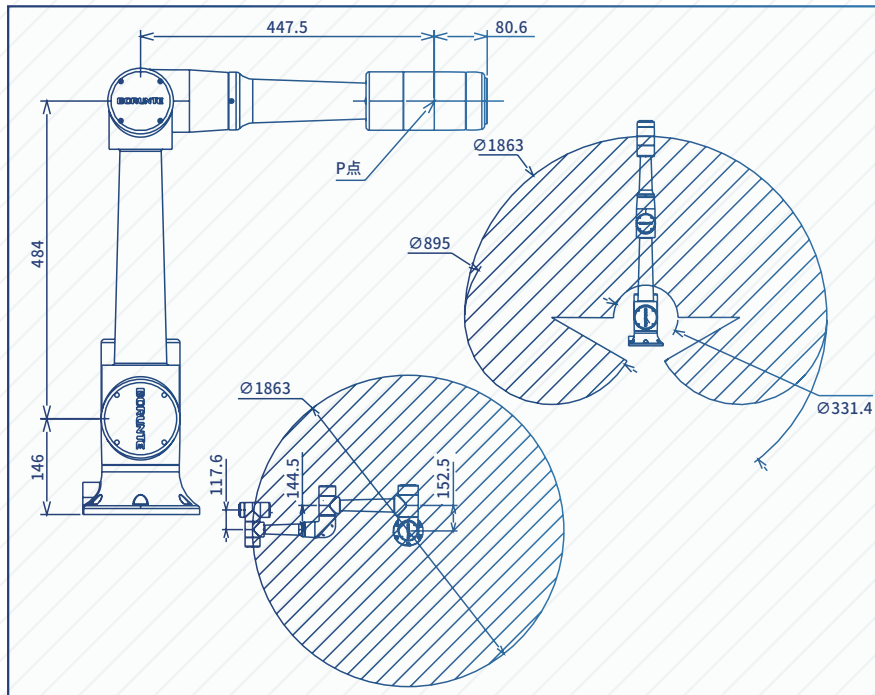
The repeat positioning accuracy is  $\pm 0.05\text{mm}$ .



## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm |        |            | 手腕/Wrist |        |        | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight |
|--------------|------------------------|--------|--------|------------|----------|--------|--------|----------------------|---------------------------|---------------------------------------------|---------------------------|------------------|
|              |                        | J1     | J2     | J3         | J4       | J5     | J6     |                      |                           |                                             |                           |                  |
| BRTIRXZ0805A | 范围(°)<br>Range         | ±180°  | ±90°   | -70°~+240° | ±180°    | ±180°  | ±360°  | 930                  | 5                         | ±0.05                                       | 0.76                      | 约28<br>about 28  |
|              | 最大速度(°/s)<br>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



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

BRTAGV12010A 是一款采用激光 SLAM 的潜伏顶升式搬运机器人,负载 100kg。配备 4G 卡,平板操控,支持自主避障,具备货架识别、顶升搬运功能。可选择搭配伯朗特 AGV 门控系统等设备实现跨楼层多点运输任务,云平台监控,实时掌握小车状态。

BRTAGV12010A is a lurking jack-up handling robot using laser SLAM, with a load of 100kg. Equipped with 4G card, tablet control, supports autonomous obstacle avoidance, and has shelf recognition and lifting handling functions. Equipped with the BORUNTE AGV door control system to achieve cross floor multi-point transportation tasks, it is with cloud platform monitoring and real-time monitoring of the vehicle status.

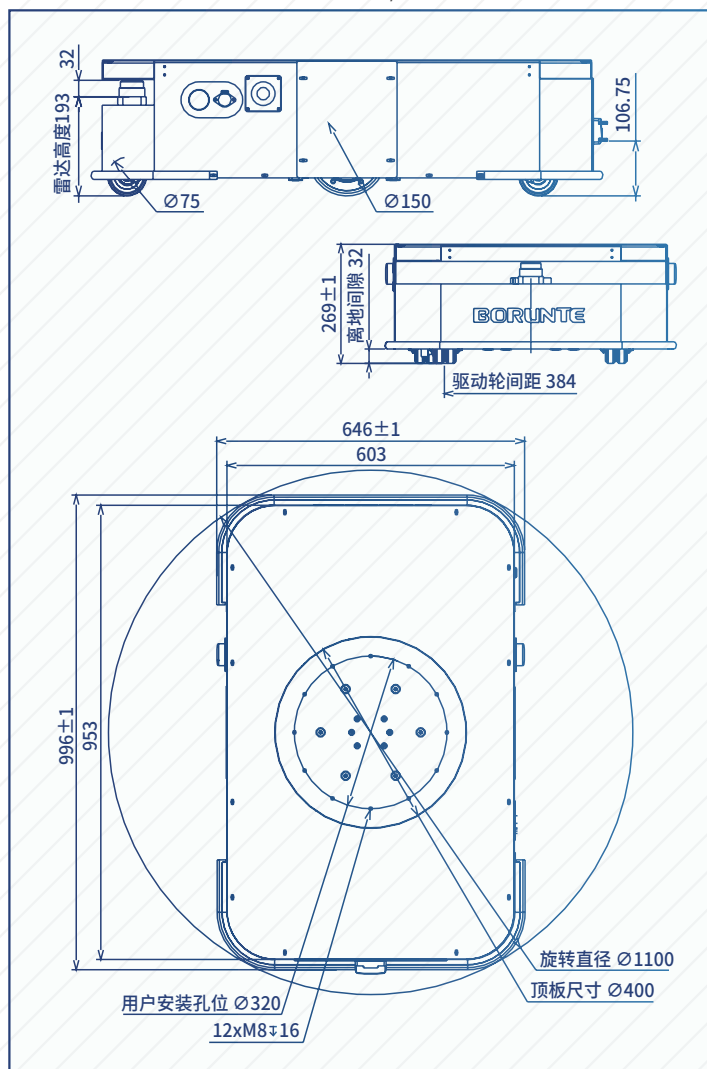
扫码获得更多  
机型信息



## 主要规格 Main Specification

| 基本参数/Basic parameters         |                             |
|-------------------------------|-----------------------------|
| 导航方式/Navigation mode          | 激光SLAM/Laser SLAM           |
| 驱动方式/Driven mode              | 双轮差速/Two wheel differential |
| 外观尺寸/L*W*H                    | 996mm*646mm*269mm           |
| 旋转半径/Turning radius           | 550mm                       |
| 重量/Weight                     | 约130kg/About 130kg          |
| 额定负载/Rated loading            | 100kg                       |
| 离地间隙/Ground clearance         | 32mm                        |
| 顶升板尺寸/Jacking plate size      | R=200mm                     |
| 最大顶升高度/Maximum jacking height | 60mm                        |
| 性能参数/Performance parameters   |                             |
| 通过性/Trafficability            | ≤3%坡度/≤3% Slope             |
| 重复定位精度/Kinematic accuracy     | 厘米级/Centimeter level        |
| 巡航速度/Cruise Speed             | 1m/s(≤1.2m/s)               |
| 电池参数/Battery parameters       |                             |
| 电池容量/Battery capacity         | 24A·H                       |
| 综合续航/Continuous running time  | ≥8H                         |
| 充电方式/Charging method          | 手动、自动/Manual, Auto          |
| 具体配置/Specific equipments      |                             |
| 激光雷达/Laser radar              | √                           |
| 二维码读码器/QR code reader         | X                           |
| 急停按钮/Emergency stop button    | √                           |
| 扬声器/Speaker                   | √                           |
| 氛围灯/Atmosphere lamp           | √                           |
| 防撞条/Anti-collision strip      | √                           |
| 功能配置/Functional configuration |                             |
| 自动充电/Automatic charging       | √                           |
| 货架识别/Shelf identification     | √                           |

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



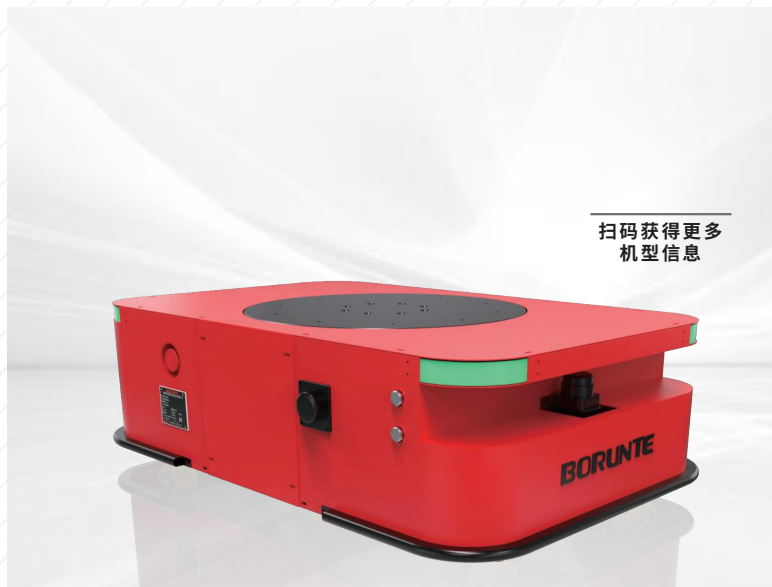
因改良等原因,规格及外观有所变更时,不再另行通知,敬请谅解。

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

BRTAGV11050A 是一款采用激光 SLAM 的潜伏顶升式搬运机器人,负载 500kg。配备 4G 卡,平板操控,支持自主避障,具备货架识别、顶升搬运功能,可选择搭配伯朗特 AGV 门控系统及设备实现跨层多点运输任务,云平台监控,实时掌握小车状态。

BRTAGV11050A is a lurking jack-up handling robot using laser SLAM, with a load of 500kg. Equipped with 4G card, tablet control, supports autonomous obstacle avoidance, and has shelf recognition and lifting handling functions. Equipped with the BORUNTE AGV door control system to achieve cross floor multi-point transportation tasks, it is with cloud platform monitoring and real-time monitoring of the vehicle status.

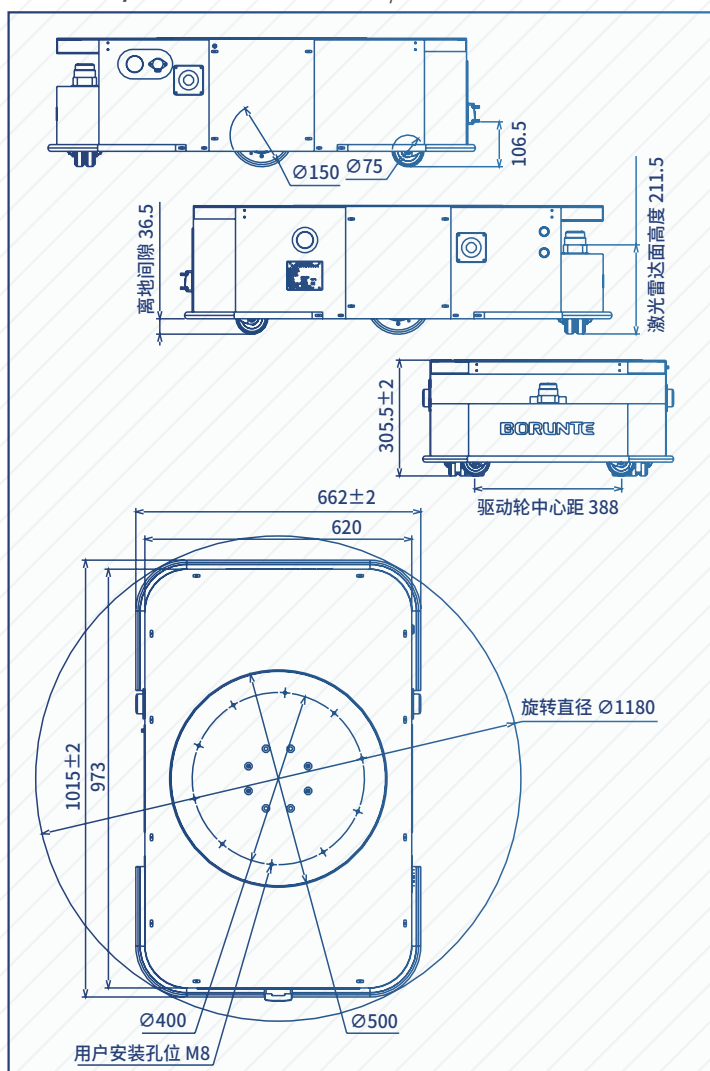


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 基本参数/Basic parameters         |                             |
|-------------------------------|-----------------------------|
| 导航方式/Navigation mode          | 激光SLAM/Laser SLAM           |
| 驱动方式/Driven mode              | 双轮差速/Two wheel differential |
| 外观尺寸/L*W*H                    | 1015mm*622mm*305.5mm        |
| 旋转半径/Turning radius           | 590mm                       |
| 重量/Weight                     | 约200kg/About 200kg          |
| 额定负载/Rated loading            | 500kg                       |
| 离地间隙/Ground clearance         | 36.5mm                      |
| 顶升板尺寸/Jacking plate size      | R=250mm                     |
| 最大顶升高度/Maximum jacking height | 60mm                        |
| 性能参数/Performance parameters   |                             |
| 通过性/Trafficability            | ≤5%坡度/≤5% Slope             |
| 重复定位精度/Kinematic accuracy     | 厘米级/Centimeter level        |
| 巡航速度/Cruise Speed             | 1m/s (≤1.2m/s)              |
| 电池参数/Battery parameters       |                             |
| 电池容量/Battery capacity         | 24A·H                       |
| 综合续航/Continuous running time  | ≥8H                         |
| 充电方式/Charging method          | 手动、自动/Manual、Auto           |
| 具体配置/Specific equipments      |                             |
| 激光雷达/Laser radar              | √                           |
| 二维码读码器/QR code reader         | X                           |
| 急停按钮/Emergency stop button    | √                           |
| 扬声器/Speaker                   | √                           |
| 氛围灯/Atmosphere lamp           | √                           |
| 防撞条/Anti-collision strip      | √                           |
| 功能配置/Functional configuration |                             |
| 自动充电/Automatic charging       | √                           |
| 货架识别/Shelf identification     | √                           |

## 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

BRTAGV21050A 是采用激光 SLAM 导航的复合移动机器人平台，负载 500kg。可搭配低压协作型机械臂，实现物料的抓取或放置功能，适用多站点的物料传输和抓取。同时平台顶部可搭配辊筒、皮带、链条等多种形状的传输模组，可以实现多条生产线之间的物料转运，进一步提升生产流程自动化，提高生产效率。

BRTAGV21050A is a composite mobile robot platform using laser SLAM navigation, with a load of 500kg. It can be matched with a low-pressure cooperative robot arm to realize the function of grasping or placing materials, and is suitable for multi site material transmission and grasping. The top of the platform can be equipped with transmission modules of various shapes such as rollers, belts, chains, etc., to realize the material transfer between multiple production lines, further improve the automation of production processes, and improve production efficiency.

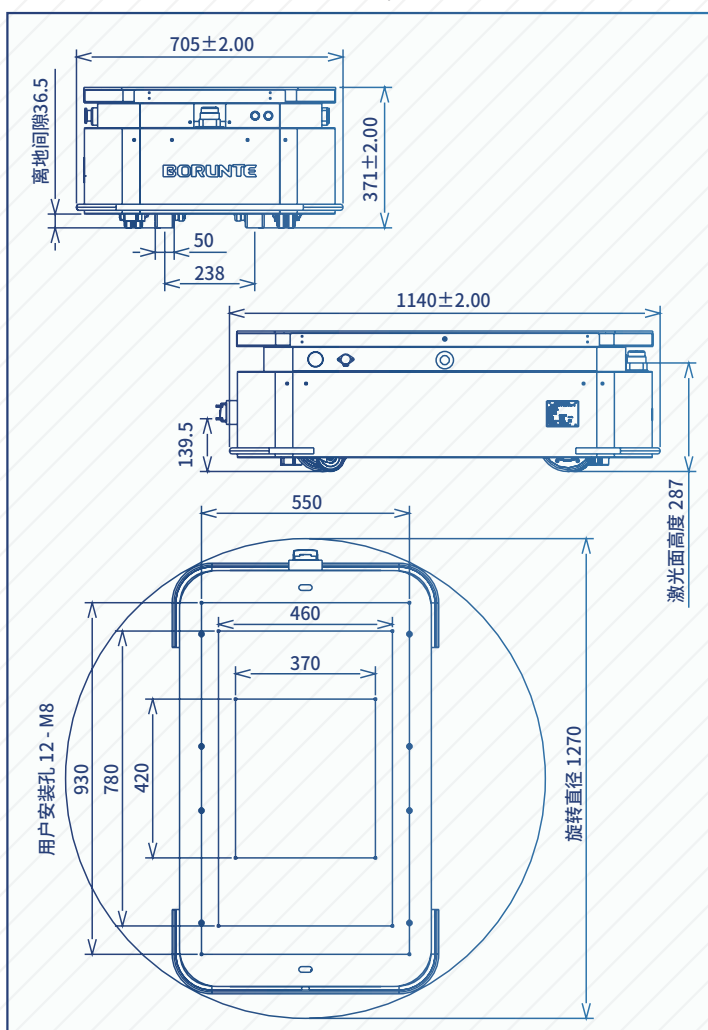
扫码获得更多  
机型信息



## 主要规格 Main Specification

| 基本参数/Basic parameters         |                        |
|-------------------------------|------------------------|
| 导航方式/Navigation mode          | 激光SLAM/Laser SLAM      |
| 驱动方式/Driven mode              | 双舵轮/Two steering wheel |
| 长x宽x高/L*W*H                   | 1140mm*705mm*371mm     |
| 旋转半径/Turning radius           | 645mm                  |
| 重量/Weight                     | 约150kg/About 150kg     |
| 额定负载/Rated loading            | 500kg                  |
| 离地间隙/Ground clearance         | 36.5mm                 |
| 顶板尺寸/Top plate size           | 1100mm*666mm           |
| 性能参数/Performance parameters   |                        |
| 通过性/Trafficability            | ≤5%坡度/≤5% slope        |
| 重复定位精度/Kinematic accuracy     | 厘米级/Centimeter level   |
| 巡航速度/Cruise Speed             | 1m/s (≤1.2m/s)         |
| 电池参数/Battery parameters       |                        |
| 电池容量/Battery capacity         | 32A·H                  |
| 综合续航/Continuous running time  | 10H                    |
| 充电方式/Charging method          | 手动、自动/Manual, Auto     |
| 具体配置/Specific equipments      |                        |
| 激光雷达/Laser radar              | √                      |
| 二维码读码器/QR code reader         | X                      |
| 急停按钮/Emergency stop button    | √                      |
| 扬声器/Speaker                   | √                      |
| 氛围灯/Atmosphere lamp           | √                      |
| 防撞条/Anti-collision strip      | √                      |
| 功能配置/Functional configuration |                        |
| 自动充电/Automatic charging       | √                      |
| 货架识别/Shelf identification     | √                      |

## 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.



# BRTIRUS2550A

六轴机器人  
Six-axis Robot

## 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 2550mm 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 2550mm. 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  $\pm 0.1\text{mm}$ .

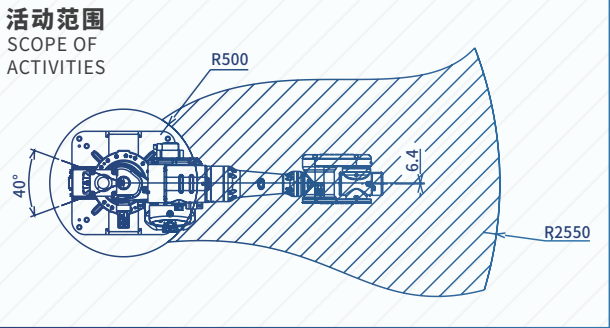
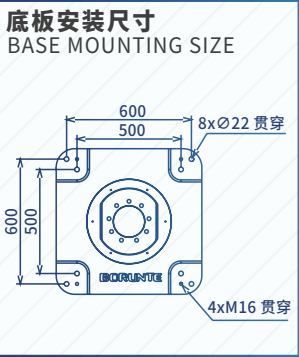
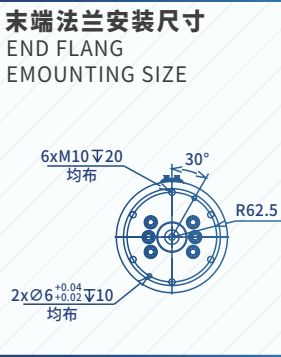
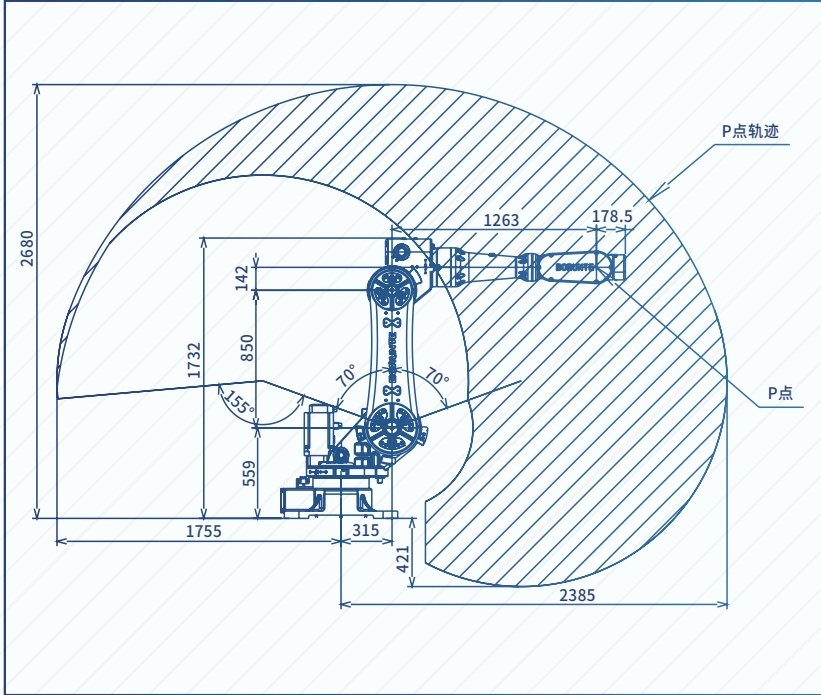


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm          |                |                        | 手腕/Wrist        |                 |                 | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight  |
|--------------|-------------------------|-----------------|----------------|------------------------|-----------------|-----------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|-------------------|
|              |                         | J1              | J2             | J3                     | J4              | J5              | J6              |                      |                           |                                             |                           |                   |
| BRTIRUS2550A | 范围(°)<br>Range          | $\pm 160^\circ$ | $\pm 70^\circ$ | $-75^\circ/+115^\circ$ | $\pm 180^\circ$ | $\pm 125^\circ$ | $\pm 360^\circ$ | 2550                 | 50                        | $\pm 0.1$                                   | 8.87                      | 约725<br>about 725 |
|              | 最大速度(°/s)<br>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



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

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 2400mm 臂展，最大负载可达 80kg。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  $\pm 0.2\text{mm}$ 。

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 2400mm. 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  $\pm 0.2\text{mm}$ .

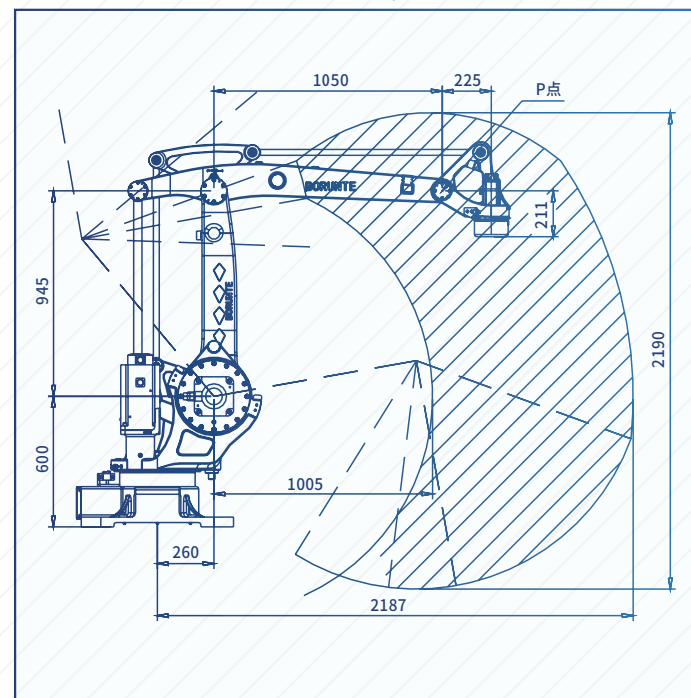


扫码获得更多  
机型信息

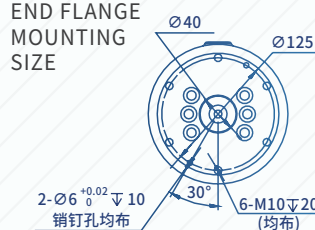
## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                       |                       | 手腕/Wrist        |                      | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight  |
|--------------|------------------------|-----------------|-----------------------|-----------------------|-----------------|----------------------|----------------------|---------------------------|---------------------------------------------|---------------------------|-------------------|
|              |                        | J1              | J2                    | J3                    | J4              | R34                  |                      |                           |                                             |                           |                   |
| BRTIRPZ2480A | 范围(°)<br>Range         | $\pm 160^\circ$ | $-80^\circ/+40^\circ$ | $-42^\circ/+60^\circ$ | $\pm 360^\circ$ | $72^\circ-195^\circ$ | 2400                 | 80                        | $\pm 0.2$                                   | 5.53                      | 约695<br>about 695 |
|              | 最大速度(°/s)<br>Max.speed | 148°/s          | 148°/s                | 148°/s                | 299°/s          | /                    |                      |                           |                                             |                           |                   |

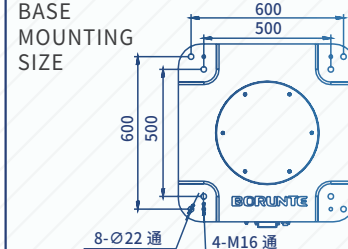
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



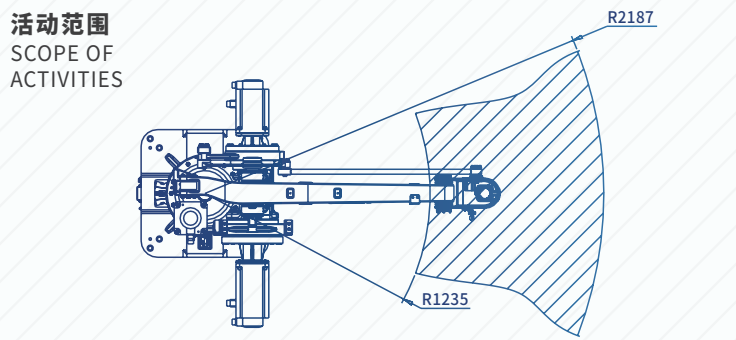
### 末端法兰 安装尺寸 END FLANGE MOUNTING SIZE



### 底座 安装尺寸 BASE MOUNTING SIZE



### 活动范围 SCOPE OF ACTIVITIES



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

BRTIRPZ3013A 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 3020mm 臂展，最大负载可达 130kg。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  $\pm 0.15\text{mm}$ 。

BRTIRPZ3013A 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 3020mm. The maximum load is 130kg. 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  $\pm 0.15\text{mm}$ .

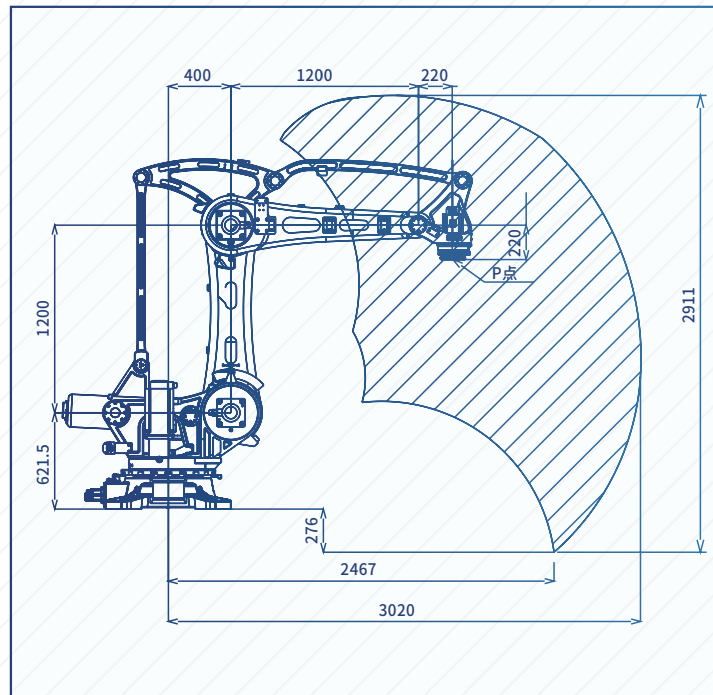


扫码获得更多  
机型信息

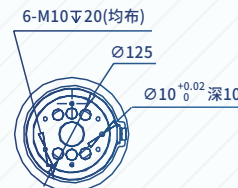
## 主要规格 Main Specification

| 机型/Model     | 项目/Item                  | 手臂/Arm          |                       |                       | 手腕/Wrist        |                      | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight   |
|--------------|--------------------------|-----------------|-----------------------|-----------------------|-----------------|----------------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|---------------------|
|              |                          | J1              | J2                    | J3                    | J4              | R34                  |                       |                            |                                              |                            |                     |
| BRTIRPZ3013A | 范围 (°)<br>Range          | $\pm 160^\circ$ | $-75^\circ/+30^\circ$ | $-55^\circ/+60^\circ$ | $\pm 180^\circ$ | $65^\circ-185^\circ$ | 3020                  | 130                        | $\pm 0.15$                                   | 8.23                       | 约1200<br>about 1200 |
|              | 最大速度 (°/s)<br>Max. speed | 63.8°/s         | 53°/s                 | 53°/s                 | 200°/s          | /                    |                       |                            |                                              |                            |                     |

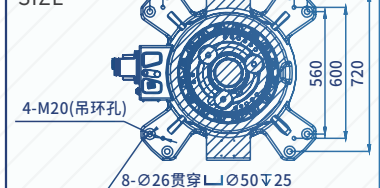
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



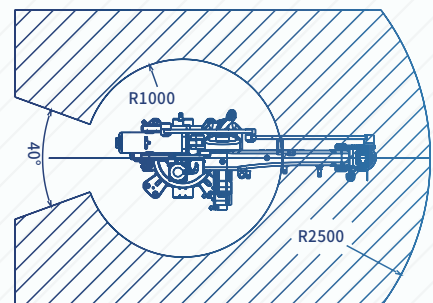
### 末端法兰 安装尺寸 END FLANGE MOUNTING SIZE



### 底座 安装尺寸 BASE MOUNTING SIZE



### 活动范围 SCOPE OF ACTIVITIES



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

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 3500mm 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 3500mm. 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  $\pm 0.2\text{mm}$ .

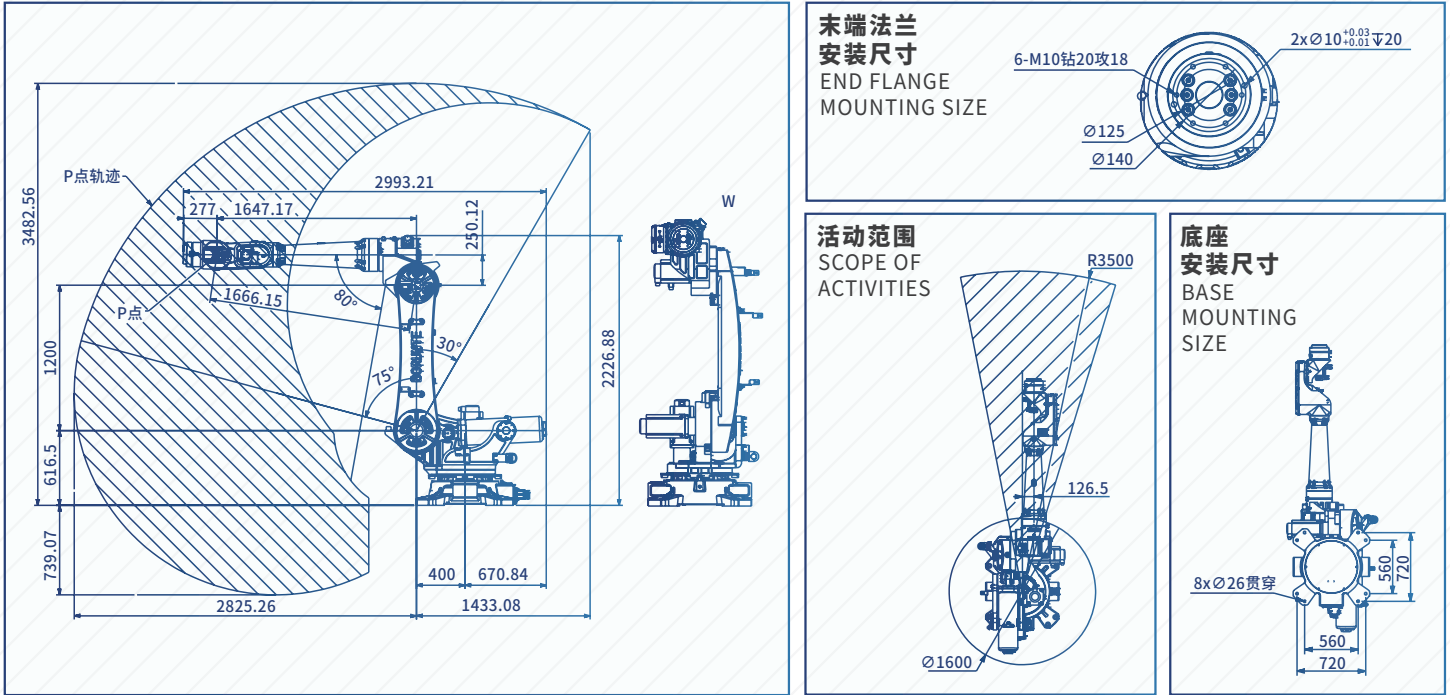


扫码获得更多  
机型信息

主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm          |                       |                       | 手腕/Wrist        |                |                 | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight        |
|--------------|-------------------------|-----------------|-----------------------|-----------------------|-----------------|----------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|-------------------------|
|              |                         | J1              | J2                    | J3                    | J4              | J5             | J6              |                      |                           |                                             |                           |                         |
| BRTIRUS3511A | 范围(°)<br>Range          | $\pm 160^\circ$ | $-75^\circ/+30^\circ$ | $-80^\circ/+85^\circ$ | $\pm 180^\circ$ | $\pm 95^\circ$ | $\pm 360^\circ$ | 3500                 | 100                       | $\pm 0.2$                                   | 9.71                      | 约1187.5<br>about 1187.5 |
|              | 最大速度(°/s)<br>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



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

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 2570mm 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 2570mm. 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  $\pm 0.2\text{mm}$ .

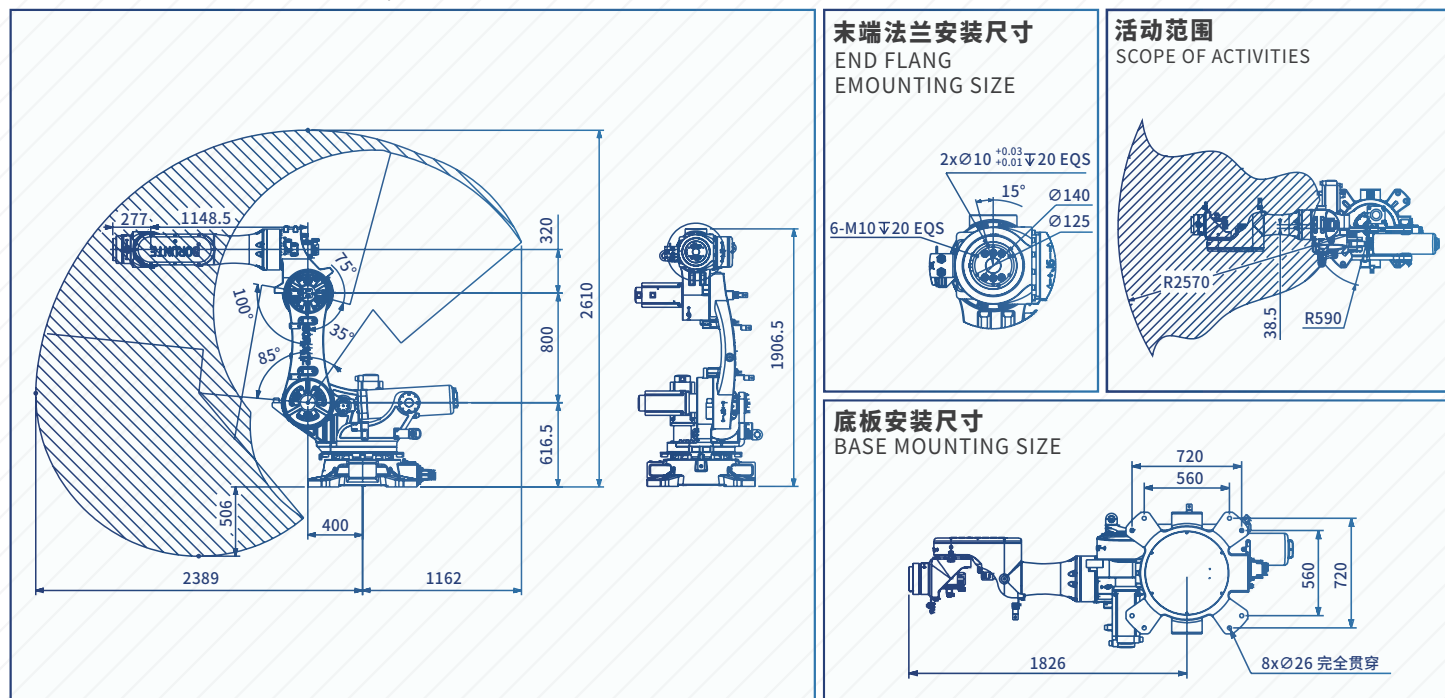


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                       |                        | 手腕/Wrist        |                |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight   |
|--------------|------------------------|-----------------|-----------------------|------------------------|-----------------|----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|---------------------|
|              |                        | J1              | J2                    | J3                     | J4              | J5             | J6              |                       |                            |                                              |                            |                     |
| BRTIRUS2520B | 范围(°)<br>Range         | $\pm 160^\circ$ | $-85^\circ/+35^\circ$ | $-80^\circ/+105^\circ$ | $\pm 180^\circ$ | $\pm 95^\circ$ | $\pm 360^\circ$ | 2570                  | 200                        | $\pm 0.2$                                    | 9.58                       | 约1106<br>about 1106 |
|              | 最大速度(°/s)<br>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



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

BRTIRPZ3030B 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 2950mm 臂展，最大负载可达 300kg。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  $\pm 0.2\text{mm}$ 。

BRTIRPZ3030B 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 2950mm. The maximum load is 300kg. 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  $\pm 0.2\text{mm}$ .

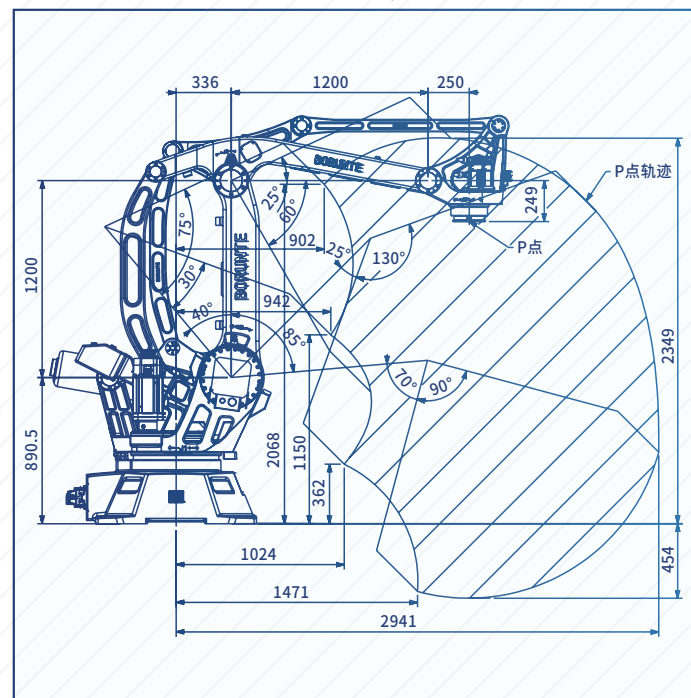


扫码获得更多  
机型信息

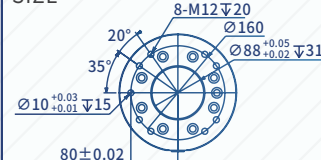
## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                       |                       | 手腕/Wrist        |                      | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight   |
|--------------|------------------------|-----------------|-----------------------|-----------------------|-----------------|----------------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|---------------------|
|              |                        | J1              | J2                    | J3                    | J4              | R34                  |                       |                            |                                              |                            |                     |
| BRTIRPZ3030B | 范围(°)<br>Range         | $\pm 160^\circ$ | $-85^\circ/+40^\circ$ | $-60^\circ/+25^\circ$ | $\pm 360^\circ$ | $70^\circ-160^\circ$ | 2950                  | 300                        | $\pm 0.2$                                    | 24.49                      | 约2550<br>about 2550 |
|              | 最大速度(°/s)<br>Max.speed | 53°/s           | 56°/s                 | 56°/s                 | 136°/s          | /                    |                       |                            |                                              |                            |                     |

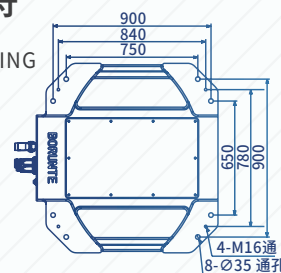
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



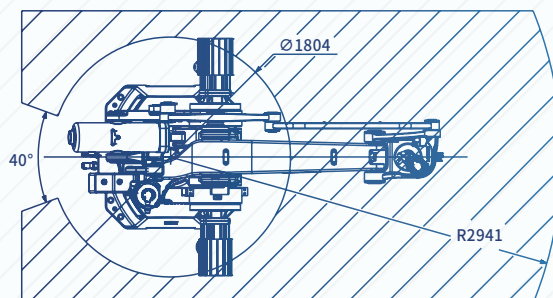
### 末端法兰 安装尺寸 END FLANGE MOUNTING SIZE



### 底座 安装尺寸 BASE MOUNTING SIZE



### 活动范围 SCOPE OF ACTIVITIES



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.



# BRTIRUS3050B

六轴机器人  
Six-axis Robot

## 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 3050mm 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 3050mm. 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  $\pm 0.5\text{mm}$ .

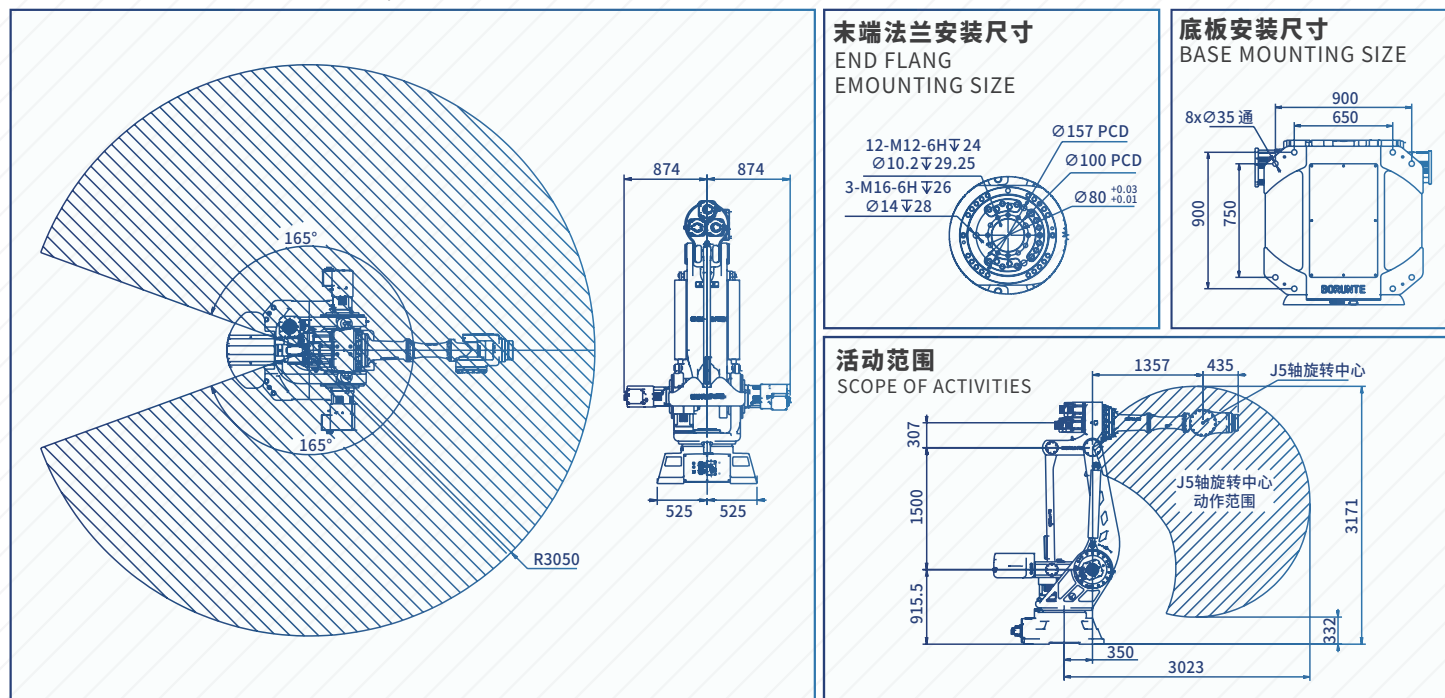


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                  | 手臂/Arm          |                |                       | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight    |
|--------------|--------------------------|-----------------|----------------|-----------------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|----------------------|
|              |                          | J1              | J2             | J3                    | J4              | J5              | J6              |                       |                            |                                              |                            |                      |
| BRTIRUS3050B | 范围 (°)<br>Range          | $\pm 160^\circ$ | $\pm 55^\circ$ | $-55^\circ/+18^\circ$ | $\pm 360^\circ$ | $\pm 110^\circ$ | $\pm 360^\circ$ | 3050                  | 500                        | $\pm 0.5$                                    | 33.78                      | 约 3200<br>about 3200 |
|              | 最大速度 (°/s)<br>Max. speed | 65.5°/s         | 51.4°/s        | 51.4°/s               | 99.9°/s         | 104.7°/s        | 161.2°/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

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 BO-RUNTE 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  $\pm 0.1\text{mm}$ .

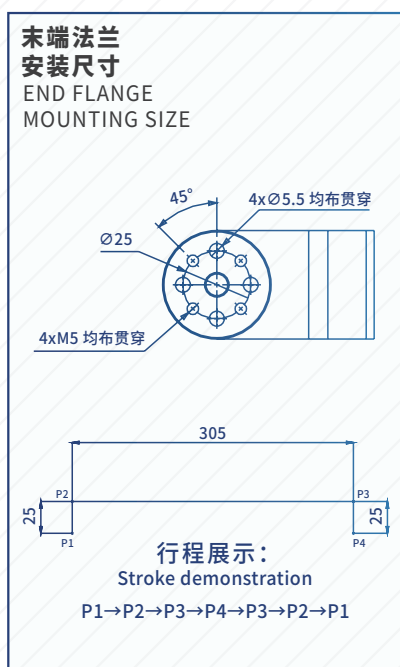
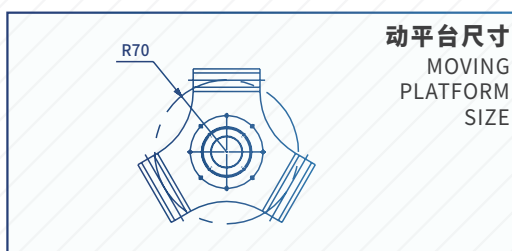
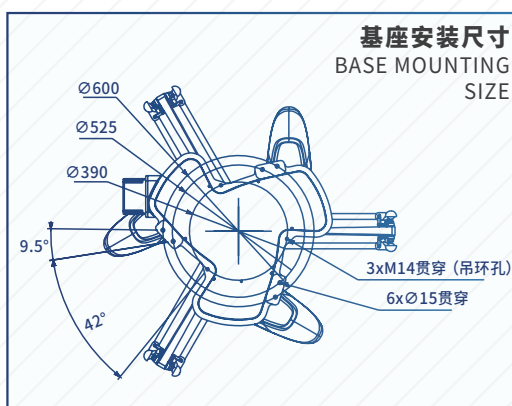
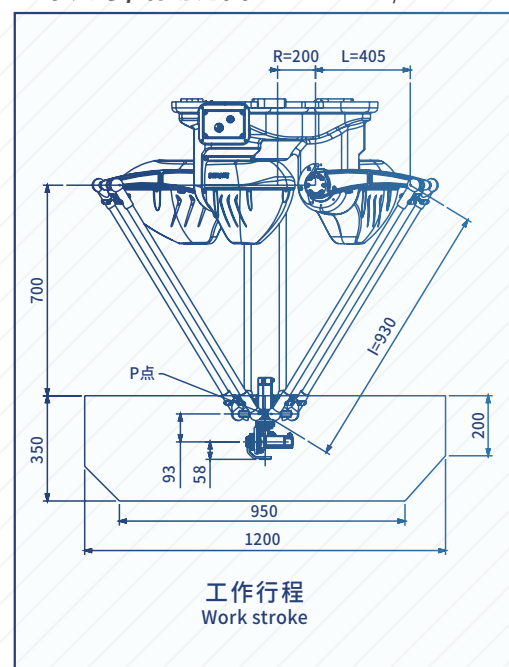


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                       | 主动臂/Master Arm                           |        | 末端/End                  |                | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading Ability | 位置重复定位精度<br>(mm)<br>location repeated<br>positioning accuracy | 角度重复定位精度<br>(°)<br>Angle repeated<br>positioning accuracy | 允许负载最大转动惯量<br>(kg.m <sup>2</sup> )<br>Maximum allowable<br>moment of inertia of load | 电源电容 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|-------------------------------|------------------------------------------|--------|-------------------------|----------------|-----------------------|----------------------------|---------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------|-------------------|
|              |                               | 上摆/Upper                                 | 下摆/Hem | J4                      | J5             |                       |                            |                                                               |                                                           |                                                                                      |                            |                   |
| BRTIRPL1203A | 范围(°)<br>Range                | 35°                                      | 83°    | $\pm 180^\circ$         | $\pm 90^\circ$ | 1200                  | 3                          | $\pm 0.1$                                                     | $\pm 0.5$                                                 | 0.01                                                                                 | 3.91                       | 约107<br>about 107 |
|              | 节拍(次/min)<br>Rhythm(time/min) | 行程:25/305/25(mm)<br>stroke:25/305/25(mm) |        | 0kg                     | 3kg            |                       |                            |                                                               |                                                           |                                                                                      |                            |                   |
|              |                               |                                          |        | 143次/min<br>143time/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.

# BRTIRPL1215A

四轴机器人  
Four-axis Robot

## 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  $\pm 0.1\text{mm}$ .

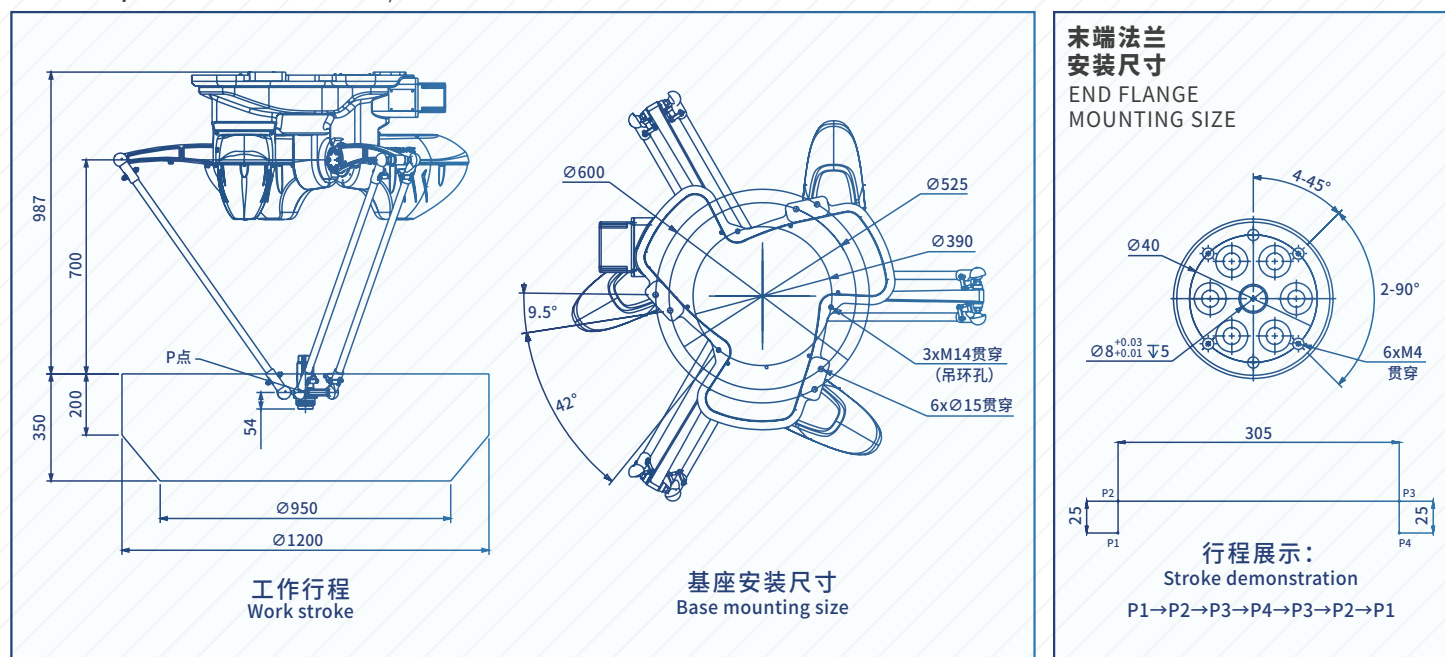


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                        | 主动臂/Master Arm                            |                         | 末端/End                  |  | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading Ability | 位置重复定位精度<br>(mm)                          | 角度重复定位精度<br>(#°)                       | 允许负载最大转动惯量<br>(kg.m²)                          | 电源电容 (kVA)<br>Power Source | 重量 (kg)<br>Weight |
|--------------|--------------------------------|-------------------------------------------|-------------------------|-------------------------|--|-----------------------|----------------------------|-------------------------------------------|----------------------------------------|------------------------------------------------|----------------------------|-------------------|
|              |                                | 上摆/Upper                                  | 下摆/Hem                  | J4                      |  |                       |                            | location repeated<br>positioning accuracy | Angle repeated<br>positioning accuracy | Maximum allowable<br>moment of inertia of load |                            |                   |
| BRTIRPL1215A | 范围(#°)<br>Range                | 35°                                       | 83°                     | ±360°                   |  | 1200                  | 15                         | ±0.1                                      | ±0.5                                   | 0.01                                           | 4.08                       | 约105<br>about105  |
|              | 节拍 (次/min)<br>Rhythm(time/min) | 行程:25/305/25 (mm)<br>stroke:25/305/25(mm) | 0kg                     | 5kg                     |  |                       |                            |                                           |                                        |                                                |                            |                   |
|              |                                |                                           | 143次/min<br>143time/min | 121次/min<br>121time/min |  |                       |                            |                                           |                                        |                                                |                            |                   |
|              |                                |                                           | 10kg                    | 15kg                    |  |                       |                            |                                           |                                        |                                                |                            |                   |
|              |                                |                                           | 107次/min<br>107time/min | 94次/min<br>94time/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.



# BRTIRXZ1515A

六轴协作机器人  
Six-axis cooperative Robot

## 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协作机器人，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，尤其对人工协作作业的应用需求，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 cooperative robot 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  $\pm 0.08\text{mm}$ .

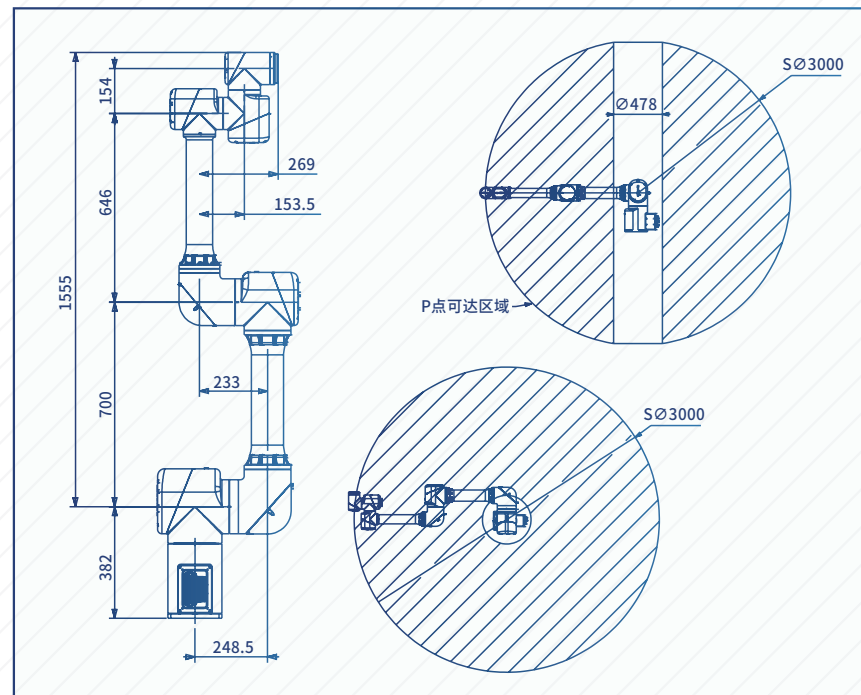


扫码获得更多  
机型信息

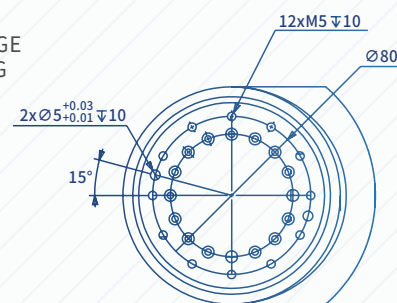
## 主要规格 Main Specification

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

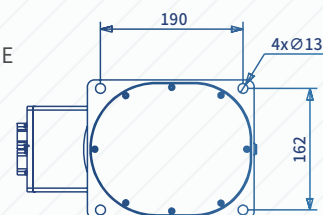
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



### 末端法兰 安装尺寸 END FLANGE MOUNTING SIZE



### 底座 安装尺寸 BASE MOUNTING SIZE



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

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.

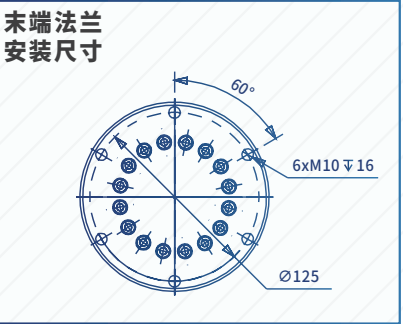
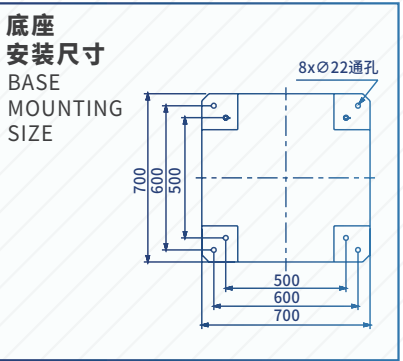
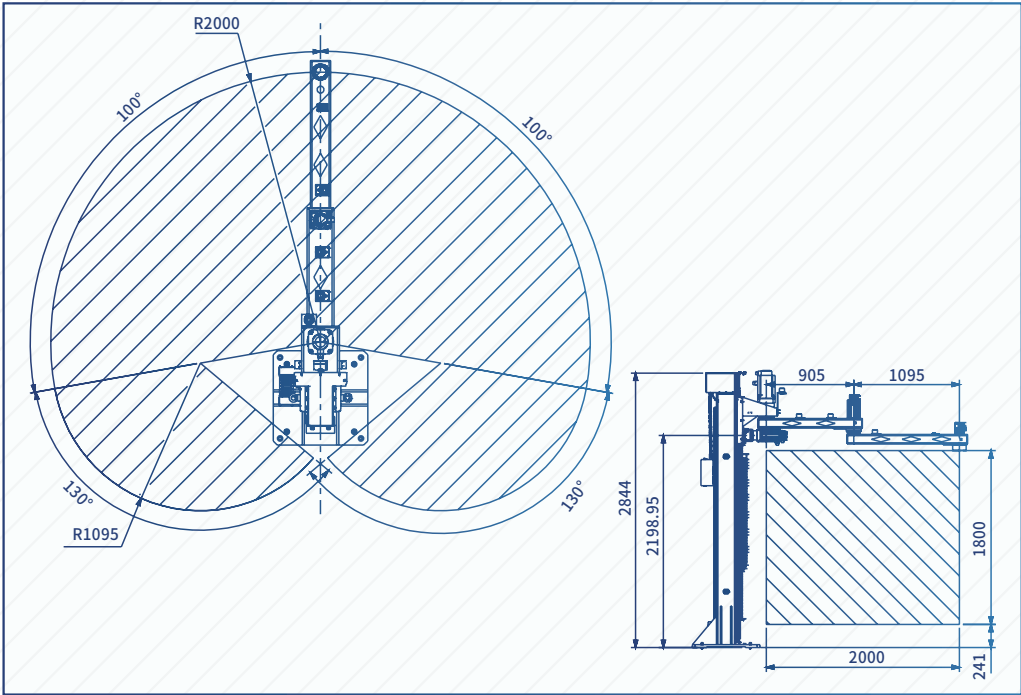
The repeat positioning accuracy is  $\pm 0.15\text{mm}$ .



主要规格 Main Specification

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

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 BO-RUNTE, 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  $\pm 0.5\text{mm}$ .

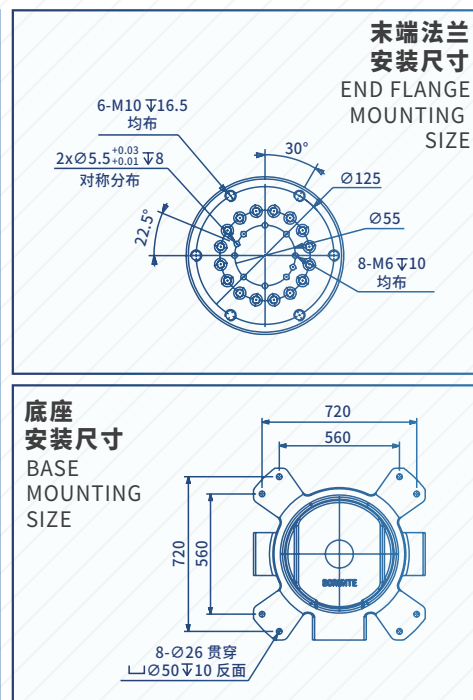
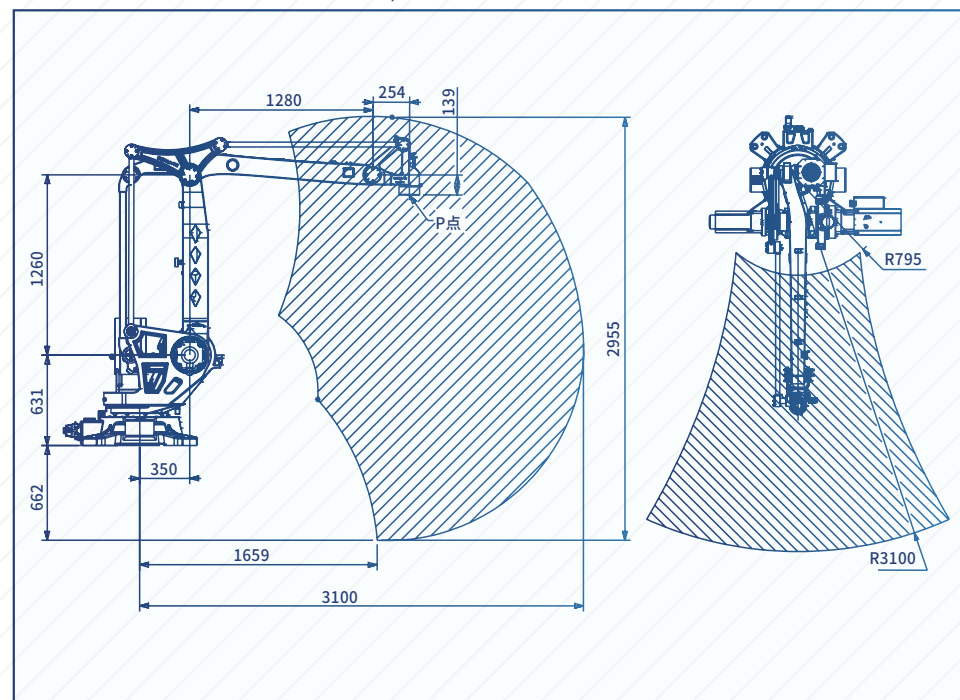


扫码获得更多  
机型信息

## 主要规格 Main Specification

| 机型/Model     | 项目/Item                | 手臂/Arm          |                       |                       | 手腕/Wrist        |                      | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight   |
|--------------|------------------------|-----------------|-----------------------|-----------------------|-----------------|----------------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|---------------------|
|              |                        | J1              | J2                    | J3                    | J4              | R34                  |                       |                            |                                              |                            |                     |
| BRTIRPZ3116B | 范围(°)<br>Range         | $\pm 158^\circ$ | $-84^\circ/+40^\circ$ | $-65^\circ/+60^\circ$ | $\pm 360^\circ$ | $65^\circ-155^\circ$ | 3100                  | 160                        | $\pm 0.5$                                    | 9                          | 约1085<br>about 1085 |
|              | 最大速度(°/s)<br>Max.speed | 120°/s          | 120°/s                | 108°/s                | 288°/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

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 2000mm 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  $\pm 0.1\text{mm}$ 。

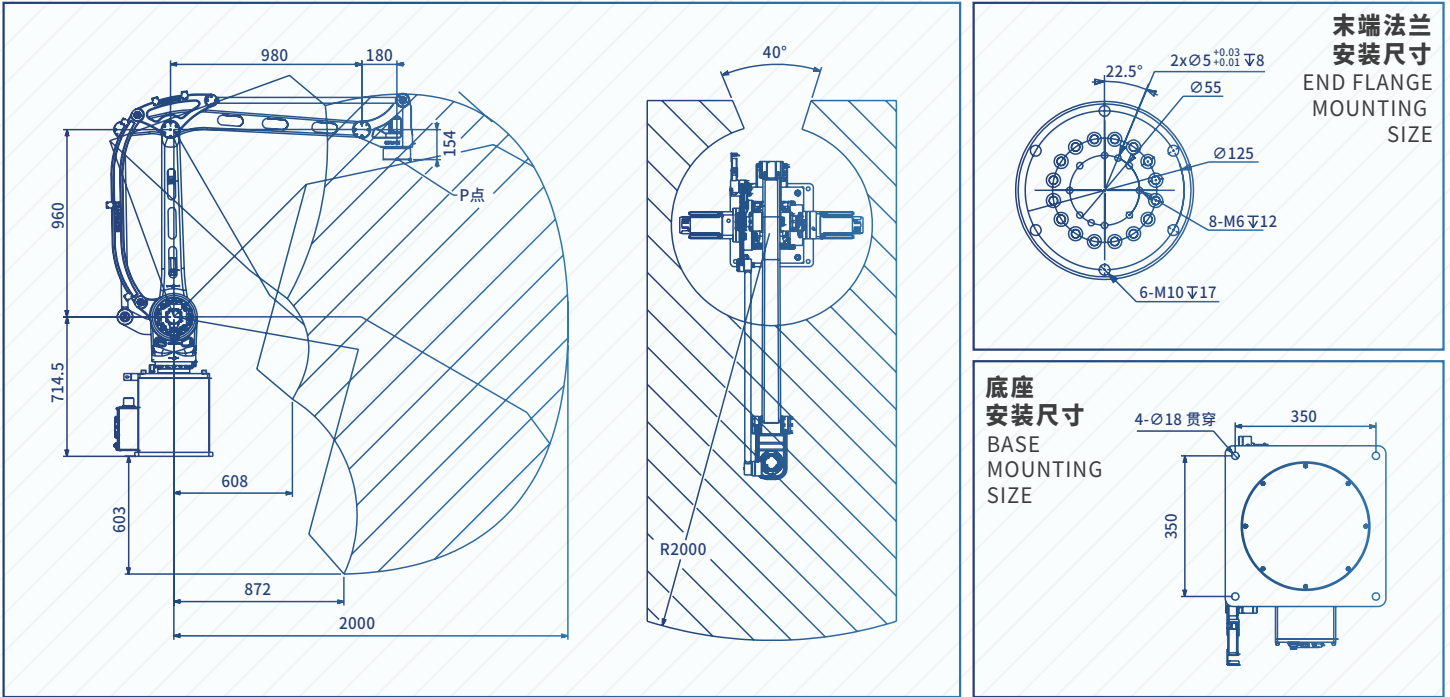
BRTIRPZ2035A is a four axis robot developed by BO-RUNTE for certain monotonous, frequent, and repetitive long-term operations, as well as hazardous and harsh environments. It has an arm span of 2000mm and a maximum load of 35kg. With multiple degrees of flexibility, it can be used in loading and unloading, 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)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight  |
|--------------|--------------------------|-----------------|------------------------|-----------------------|-----------------|----------------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|--------------------|
|              |                          | J1              | J2                     | J3                    | J4              | R34                  |                       |                            |                                              |                            |                    |
| BRTIRPZ2035A | 范围 (°)<br>Range          | $\pm 160^\circ$ | $-100^\circ/+20^\circ$ | $-60^\circ/+57^\circ$ | $\pm 360^\circ$ | $68^\circ-198^\circ$ | 2000                  | 35                         | $\pm 0.1$                                    | 5.5                        | 约 290<br>about 290 |
|              | 最大速度 (°/s)<br>Max. speed | 163°/s          | 131°/s                 | 177°/s                | 296°/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

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 2832mm 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 BO-RUNTE for complex applications with multiple degrees of freedom. Its maximum load can reach 300kg, with a 2832mm 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  $\pm 0.2\text{mm}$ .

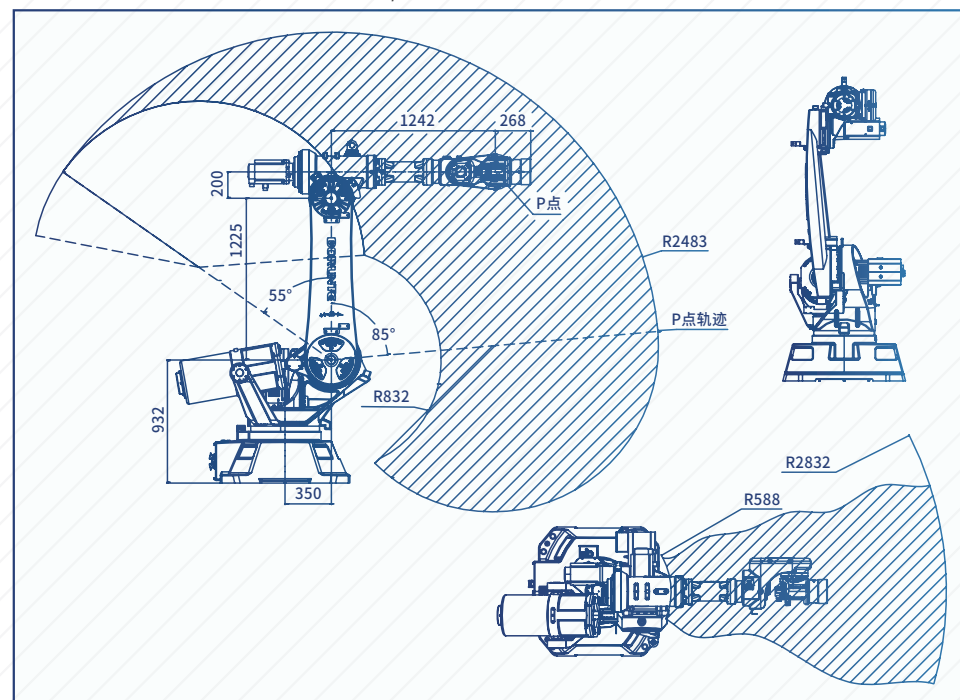


扫码获得更多  
机型信息

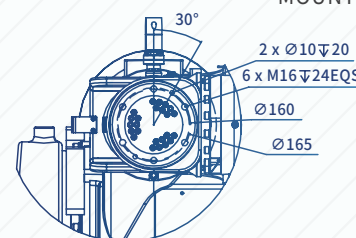
## 主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm          |                       |                        | 手腕/Wrist        |                 |                 | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight    |
|--------------|-------------------------|-----------------|-----------------------|------------------------|-----------------|-----------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|---------------------|
|              |                         | J1              | J2                    | J3                     | J4              | J5              | J6              |                      |                           |                                             |                           |                     |
| BRTIRUS2830B | 范围(°)<br>Range          | $\pm 160^\circ$ | $-85^\circ/+55^\circ$ | $-60^\circ/+105^\circ$ | $\pm 180^\circ$ | $\pm 130^\circ$ | $\pm 360^\circ$ | 2832                 | 300                       | $\pm 0.2$                                   | 15.62                     | 约1976<br>about 1976 |
|              | 最大速度(°/s)<br>Max. speed | 71.3°/s         | 74.2°/s               | 102.3°/s               | 122.7°/s        | 71.1°/s         | 116.3°/s        |                      |                           |                                             |                           |                     |

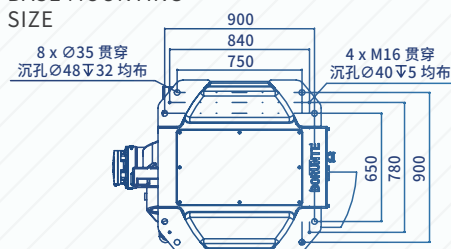
## 基本尺寸/活动范围 BASIC SIZE/SCOPE OF ACTIVITIES



### 末端法兰安装尺寸 END FLANGE MOUNTING SIZE



### 底座安装尺寸 BASE MOUNTING SIZE



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

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 2908mm 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 BORUNTE for complex applications with multiple degrees of freedom. Its maximum load can reach 240kg, with a 2908mm 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  $\pm 0.2\text{mm}$ .

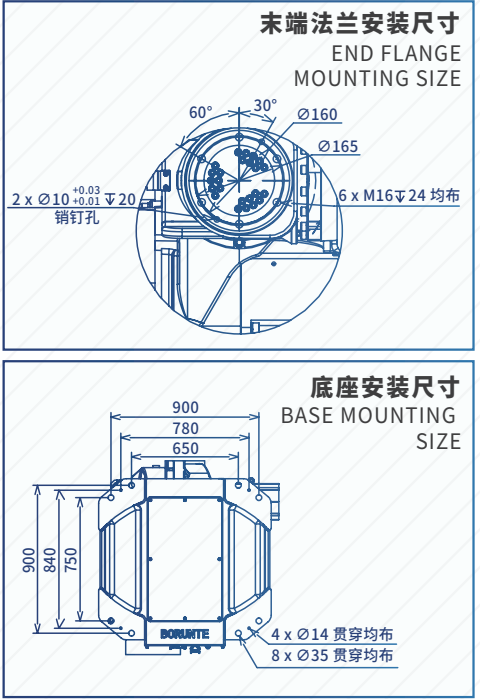
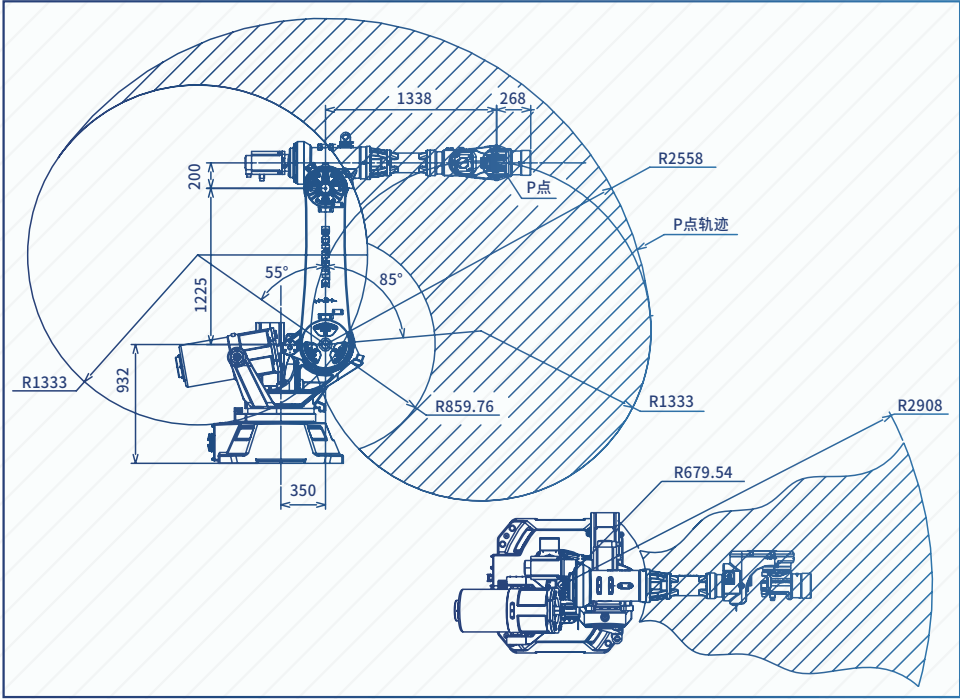


扫码获得更多  
机型信息

主要规格 Main Specification

| 机型/Model     | 项目/Item                  | 手臂/Arm          |                       |                        | 手腕/Wrist        |                 |                 | 臂展 (mm)<br>Arm Length | 负载 (kg)<br>Loading ability | 重复定位精度 (mm)<br>Repeated positioning accuracy | 电源容量 (kVA)<br>Power Source | 重量 (kg)<br>Weight    |
|--------------|--------------------------|-----------------|-----------------------|------------------------|-----------------|-----------------|-----------------|-----------------------|----------------------------|----------------------------------------------|----------------------------|----------------------|
|              |                          | J1              | J2                    | J3                     | J4              | J5              | J6              |                       |                            |                                              |                            |                      |
| BRTIRUS2924B | 范围 (°)<br>Range          | $\pm 160^\circ$ | $-85^\circ/+55^\circ$ | $-60^\circ/+105^\circ$ | $\pm 180^\circ$ | $\pm 130^\circ$ | $\pm 360^\circ$ | 2908                  | 240                        | $\pm 0.2$                                    | 18.07                      | 约 1983<br>about 1983 |
|              | 最大速度 (°/s)<br>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



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

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 2900mm 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 BO-RUNTE for complex applications with multiple degrees of freedom. Its maximum load can reach 170kg, with a 2900mm 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.

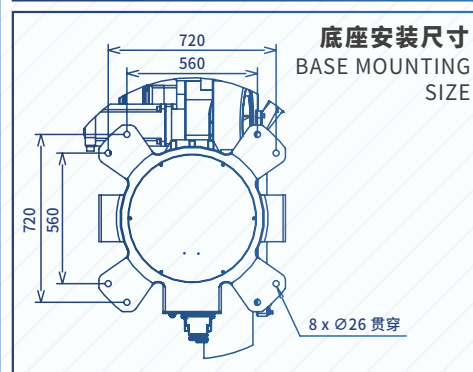
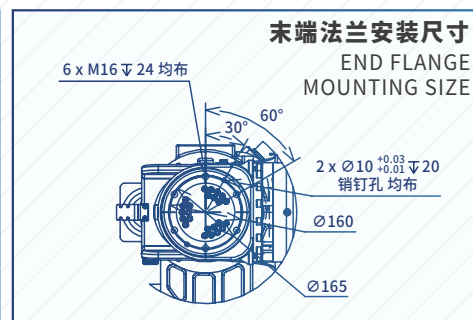
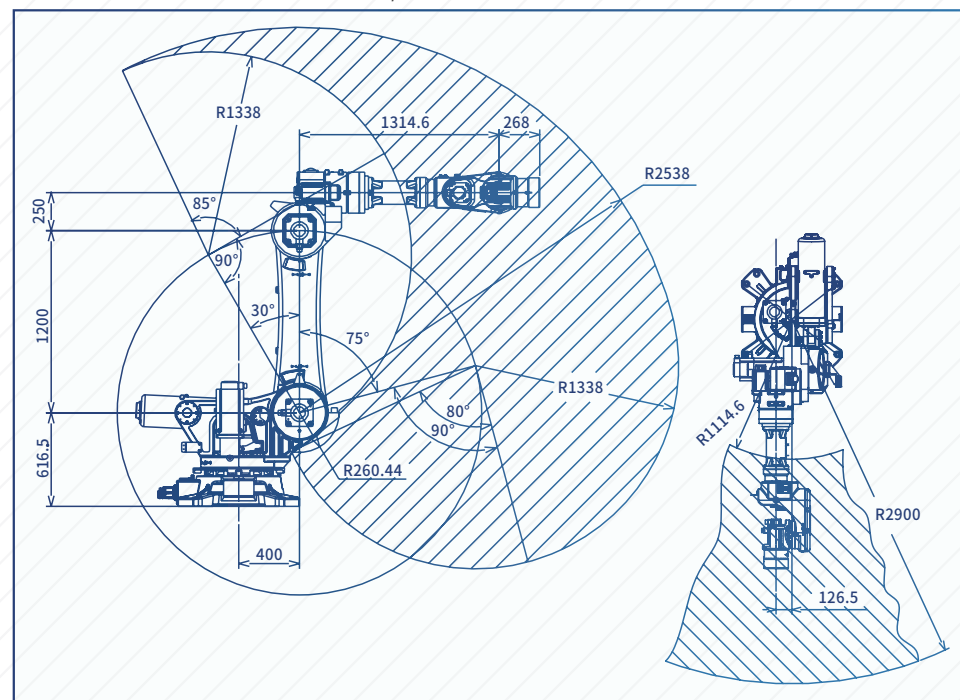
The repeat positioning accuracy is  $\pm 0.2\text{mm}$ .



## 主要规格 Main Specification

| 机型/Model     | 项目/Item                 | 手臂/Arm          |                       |                       | 手腕/Wrist        |                 |                 | 臂展(mm)<br>Arm Length | 负载(kg)<br>Loading ability | 重复定位精度(mm)<br>Repeated positioning accuracy | 电源容量(kVA)<br>Power Source | 重量(kg)<br>Weight        |
|--------------|-------------------------|-----------------|-----------------------|-----------------------|-----------------|-----------------|-----------------|----------------------|---------------------------|---------------------------------------------|---------------------------|-------------------------|
|              |                         | J1              | J2                    | J3                    | J4              | J5              | J6              |                      |                           |                                             |                           |                         |
| BRTIRUS2917B | 范围(°)<br>Range          | $\pm 160^\circ$ | $-75^\circ/+30^\circ$ | $-80^\circ/+85^\circ$ | $\pm 180^\circ$ | $\pm 130^\circ$ | $\pm 360^\circ$ | 2900                 | 170                       | $\pm 0.2$                                   | 12.46                     | 约1190.5<br>about 1190.5 |
|              | 最大速度(°/s)<br>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



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.



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

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

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

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

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

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

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.

伯朗特 电控柜系统参数

BORUNTE lectric control cabinets system parameters

|                                   | RC-HC1-TI1参数<br>RC-HC1-TI1 parameters                                                                                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 处理器<br>Processor                  | 单核A8 ARM处理器 1GHz<br>Single core A8 ARM processor                                                                                                                                                                                       |
| 控制软件<br>Control software          | 嵌入式Linux + 实时补丁+自主运动控制系统<br>Embedded Linux+real-time patches+autonomous motion control system                                                                                                                                          |
| 内存<br>Storage                     | 512MB                                                                                                                                                                                                                                  |
| 控制总线<br>Control bus               | 内部专用总线,可扩展至8轴<br>Internal dedicated bus, expandable to 8 axes                                                                                                                                                                          |
| 其他总线<br>Other bus                 | modbus RTU主站, modbus RTU/TCP从站<br>Modbus RTU master station, Modbus RTU/TCP slave station                                                                                                                                              |
| 原点指令作用<br>Origin command function | 无<br>None                                                                                                                                                                                                                              |
| I/O端口<br>I/O ports                | 标配32输入32输出, 支持扩展华成I/O板<br>Standard 32 input and 32 output, supporting the expansion of Huacheng I/O board                                                                                                                              |
| 通讯接口<br>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)<br>RS485, CAN, 100Mbps network interface (currently compatible with Huacheng certified devices including analog module, encoder module, and cloud data acquisition module) |
| 数据采集<br>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<br>The system status can be collected through the network interface and controlled with restrictions                                                                                                        |
| 二次开发<br>Secondary development     | 无<br>None                                                                                                                                                                                                                              |
| 控制轴数<br>Controlled axes           | 4轴, 6轴, 8轴<br>4 axis, 6 axis, 8 axis                                                                                                                                                                                                   |

|                                  | RC-NBT-C01参数<br>RC-NBT-C01 Parameters                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 处理器<br>Processor                 | 全志 T507, 4核主频1.5GHz<br>Quanzhi T507, 4-core main frequency 1.5GHz                                                                                                            |
| 板载存储<br>Control software         | EMMC Flash 8GB                                                                                                                                                               |
| 操作系统<br>Storage                  | RT-Linux                                                                                                                                                                     |
| 内存<br>Control bus                | 2GB                                                                                                                                                                          |
| USB                              | 2 x USB2.0                                                                                                                                                                   |
| 网络<br>Origin command function    | 1 x RTL8211F 千兆网口<br>1 x RTL8211F 1000Mbps Ethernet port<br>1 x RTL8152B 百兆网口<br>1 x RTL8152B 100Mbps Ethernet port<br>1 x IP101GR 百兆网口<br>1 x IP101GR 100Mbps Ethernet port |
| CAN                              | 1 x CAN 2.0                                                                                                                                                                  |
| 串口<br>Communicate interface      | 1 x RS485, 1 x RS232                                                                                                                                                         |
| 脉冲接口<br>Data collection          | 1路5V编码器ABZ查分接口<br>1 channel 5V encoder ABZ lookup interface                                                                                                                  |
| 数字量输入输出<br>Secondary development | 32输入32输出<br>32input 32output                                                                                                                                                 |
| 模拟量输入输出<br>Controlled axes       | 2路输入2路输出, 0-10V<br>2 lines input / 2 lines output, 0-10V                                                                                                                     |

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

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

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.





| BORUNTE 产品示教器参数<br>BORUNTE products FlexPendant parameters |                                                                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 触摸屏规格<br>Touch screen specifications                       | 800x600, 单点触摸 (电阻屏)<br>800×600, Single-touch (Resistance screen)                                                                         |
| 处理器<br>Processor                                           | 单核A8 ARM处理器 1GHz<br>Single-core A8 / ARM processor / 1GHz                                                                                |
| 内存<br>Internal storage                                     | 512MB                                                                                                                                    |
| 接口<br>Interface                                            | USB                                                                                                                                      |
| 键盘<br>Keyboard                                             | 点动(+,-)16点, 方向键2点, 功能键4点, 可绑定功能键4点<br>Jog (+,-) 16 points, direction key 2 points, function key 4 points, bindable function key 4 points |
| 安全开关<br>Safety switch                                      | 急停开关、钥匙模式选择开关、3段位置使能开关<br>Emergency stop switch, key mode selection switch, 3-segment position enable switch                             |
| 电源<br>Power source                                         | DC24V±5%                                                                                                                                 |
| 耗电<br>Power consumption                                    | 最大250mA@24V<br>Max: 250mA@24V                                                                                                            |
| 环境温度<br>Ambient temperature                                | 工作时0°C 到+45°C, 存储时-20°C到+70°C<br>0~+45 ° in operation; -20 ~ +70 ° in storage                                                            |
| 湿度<br>Humidity                                             | 最大85% (无结露)<br>Max: 85% (No condensation)                                                                                                |
| 尺寸<br>Size                                                 | 最大292mmX222mmX125mm<br>Max: 292mm*222mm*125mm                                                                                            |
| 触摸笔<br>Touch pen                                           | 1支<br>One                                                                                                                                |
| 材质<br>Materials                                            | ABS 红/黑搭配<br>ABS red/black                                                                                                               |
| 重量<br>Weight                                               | 1.75kg                                                                                                                                   |

| BORUNTE 喷涂防爆电控柜 参数<br>BORUNTE spraying explosion-proof electric control cabinet parameters |                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BORUNTE 喷涂防爆气阀箱 参数<br>BORUNTE spraying explosion-proof air valve box parameters            |                                                                                                                                                                                                                                                          |
| 处理器<br>Processor                                                                           | 单核A8 ARM处理器 1GHz<br>Single-core A8 / ARM processor / 1GHz                                                                                                                                                                                                |
| 控制软件<br>Control software                                                                   | 嵌入式Linux + 实时补丁+自主运动控制系统<br>Embedded Linux + actual-time patch + Autonomous motion control system                                                                                                                                                        |
| 内存<br>Internal storage                                                                     | 512MB                                                                                                                                                                                                                                                    |
| 控制总线<br>Control Bus                                                                        | 内部专用总线, 可扩展至8轴<br>Internal dedicated bus, expandable to 8 axes                                                                                                                                                                                           |
| 其他总线<br>Other Bus                                                                          | modbus RTU主站, modbus RTU/TCP从站<br>modbus RTU master station, modbus RTU/TCP slave station                                                                                                                                                                |
| 原点指令作用<br>Original directive function                                                      | 无<br>none                                                                                                                                                                                                                                                |
| I/O端口<br>I/O Port                                                                          | 标配32输入32输出, 支持扩展华成I/O板<br>Standard configuration 32 input 32 output, Support the expansion of Huacheng I/O port                                                                                                                                          |
| 通讯接口<br>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)<br>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<br>Data Acquisition                                                                   | 可以通过网口接口采集系统状态, 并且有限制地控制系统<br>The system status can be collected through the network interface, and the system can be controlled limited                                                                                                                 |
| 二次开发<br>Secondary development                                                              | 无<br>none                                                                                                                                                                                                                                                |
| 控制轴数<br>Number of control axes                                                             | 4轴, 6轴, 8轴<br>4-axis; 6axis; 8axis                                                                                                                                                                                                                       |
| 标准<br>Standard                                                                             | 执行标准 GB3836<br>Executive Standard GB3836                                                                                                                                                                                                                 |
| 防爆标识<br>Explosion proof sign                                                               | IIBT4Gb                                                                                                                                                                                                                                                  |

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.

# 非磁性分张器

Non-magnetic splitter

伯朗特工装系列  
BORUNTE tool series

## 产品特点 Product Features

伯朗特非磁性分张器，可用于冲压、折弯上料分张或其他片材需要分张等自动化场景。适用板材有不锈钢板、铝板、塑料板、表面有油或覆膜的金属板等。采用机械式分张利用气缸推动主推杆实现分张，主推杆装有齿条，齿距根据板厚变化而变化。主推杆有竖直向上移动的自由度，当气缸通过主推杆推动齿条与板材接触时可以自由的只分开第一张板材而实现分张。

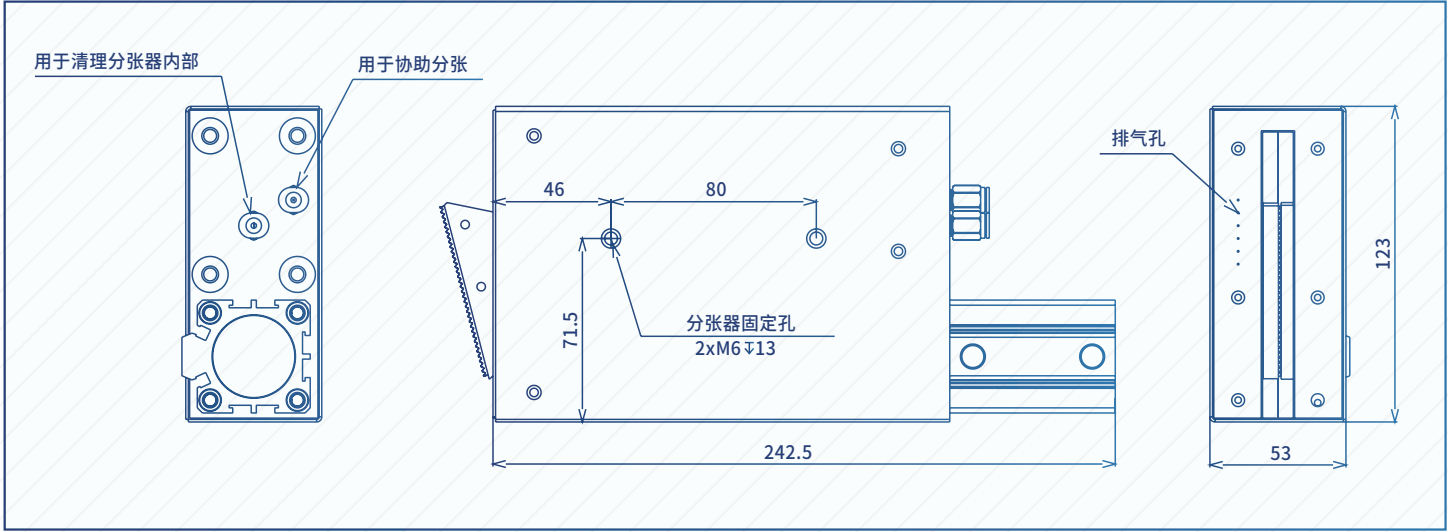
BORUNTE non-magnetic splitter can be used in automated scenarios such as stamping, bending, or other sheet materials that require separation. Its applicable plates include stainless steel plate, aluminum plate, plastic plate, metal plate with oil or film coating on the surface, etc. Using mechanical splitting, the main push rod is pushed by a cylinder to achieve splitting. The main push rod is equipped with racks, and the tooth pitch varies according to the thickness of the plate. The main push rod has the freedom to move vertically upwards, and when the cylinder pushes the rack through the main push rod to contact the sheet metal, it can freely separate only the first sheet metal and achieve separation.



## 主要规格 Main Specification

| 项目/Items                             | 参数/Parameters                                                                                                                   | 项目/Items                     | 参数/Parameters    |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------|
| 适用板材材料<br>Applicable plate materials | 不锈钢板、铝板(覆膜)、铁板(覆油)等片材<br>Stainless steel plate, aluminum plate (coated), iron plate (coated with oil) and other sheet materials | 分张速度<br>Speed                | ≈30pcs/min       |
| 适用板材厚度<br>Applicable plate thickness | 0.5mm~2mm                                                                                                                       | 分张器重量<br>Weight              | 3.3KG            |
| 适用板材重量<br>Applicable plate weight    | <30KG                                                                                                                           | 分张器外形尺寸<br>Overall dimension | 242mm*53mm*123mm |
| 适用板材形状<br>Applicable plate shape     | 无要求<br>None                                                                                                                     | 是否含吹气功能<br>Blowing function  | √                |

## 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.

# 2D视觉系统

2D visual system

伯朗特工装系列  
BORUNTE tool series

## 产品特点 Product Features

伯朗特 2D 视觉系统，能够应用于流水线无序摆放产品的抓取装箱、摆盘等应用。其具有速度快、规模大等特点，能够有效解决传统人工分拣抓取错误率高，劳动强度大等问题。其中的 VisionBRT 视觉软件，内置 13 个算法工具，采用可视化的界面，图形化交互，简单易用、稳定、开放兼容、易部署及使用。

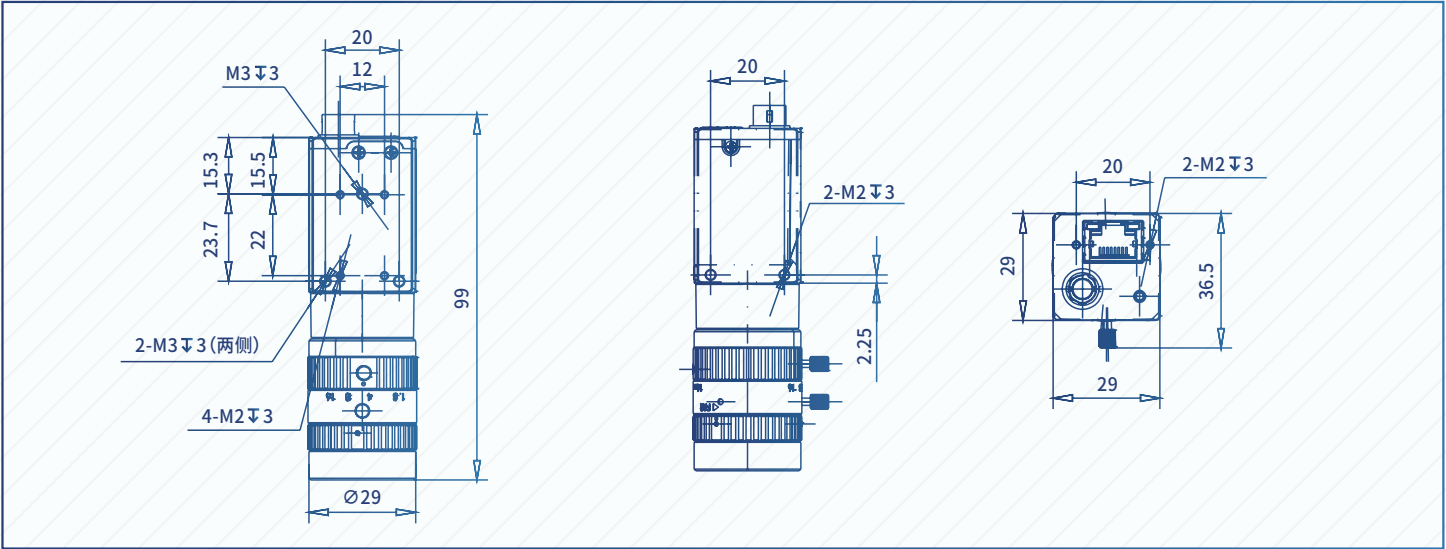
BORUNTE 2D visual system can be applied to applications such as grabbing, packing, and placing products in an disorderly manner on an assembly line. It has the characteristics of fast speed and large scale, which can effectively solve the problems of high error rate and high labor intensity in traditional manual sorting and grasping. The Vision BRT visual software includes 13 algorithm tools, adopts a visual interface and graphical interaction, making it simple, stable, compatible, easy to deploy and use.



## 主要规格 Main Specification

| 项目/Items                    | 参数/Parameters              | 项目/Items                   | 参数/Parameters |
|-----------------------------|----------------------------|----------------------------|---------------|
| 算法功能<br>Algorithm functions | 灰度匹配<br>Grayscale matching | 传感器类型<br>Sensor type       | CMOS          |
| 分辨率<br>Resolution ratio     | 1440 x 1080                | 数据接口<br>DATA interface     | GigE          |
| 颜色<br>Colour                | 黑白<br>Black & White        | 最大帧率<br>Maximum frame rate | 65fps         |
| 镜头焦距<br>Focal length        | 16mm                       | 供电<br>Power supply         | DC12V         |

## 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.

# 海绵吸盘

Sponge suction cups

伯朗特工装系列  
BORUNTE tool series

## 产品特点 Product Features

伯朗特海绵吸盘，可用于上下料、搬运、拆垛、码垛产品。适用物品有各类型板材、木材、纸箱等。内置真空发生器，吸盘本体内部具有钢珠结构，可不用全部吸附产品即可产生吸力，外接气管即可直接使用。

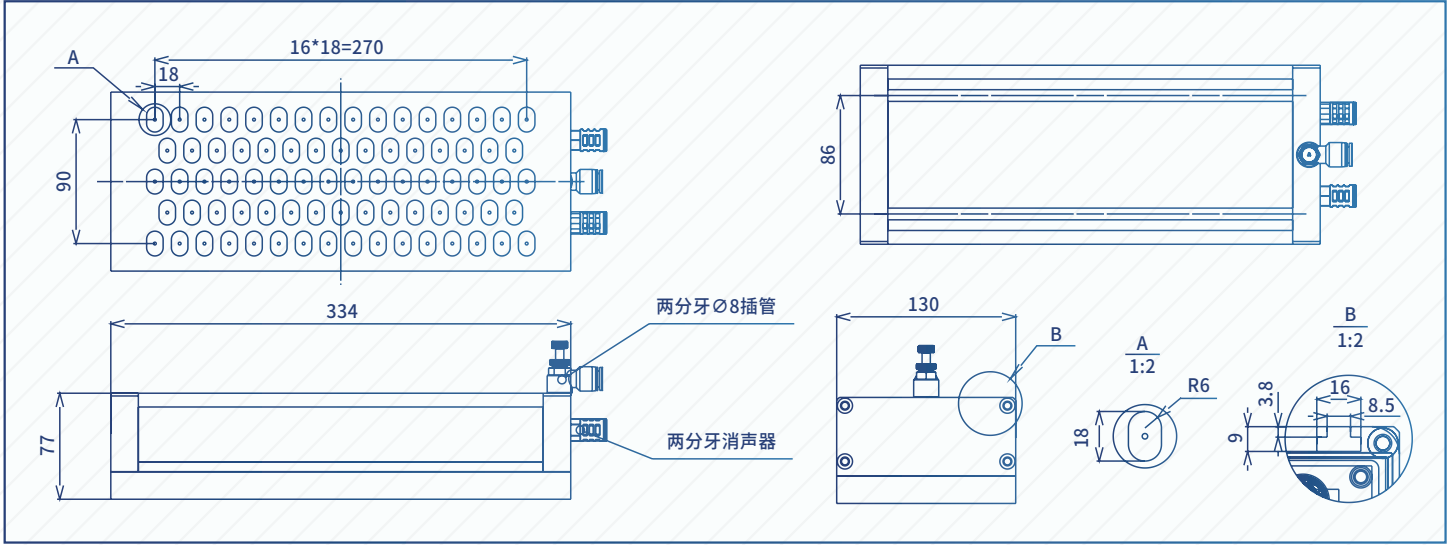
BORUNTE sponge suction cups can be used for loading and unloading, handling, unpacking, and stacking products. Applicable items include various types of boards, wood, cardboard boxes, etc. Built in vacuum generator, the suction cup body has a steel ball structure inside, which can generate suction without fully adsorbing the product. It can be directly used with an external air pipe.



## 主要规格 Main Specification

| 项目/Items                              | 参数/Parameters                                                       | 项目/Items                       | 参数/Parameters      |
|---------------------------------------|---------------------------------------------------------------------|--------------------------------|--------------------|
| 适用物品<br>Applicable items              | 各类型板材、木材、纸箱等<br>Various types of boards, wood, cardboard boxes, etc | 空气消耗量<br>Air consumption       | 270NL/min          |
| 理论最大吸力<br>Theoretical maximum suction | 25KG                                                                | 重量<br>Weight                   | ≈3KG               |
| 本体尺寸<br>Body size                     | 334mm*130mm*77mm                                                    | 最大真空度<br>Maximum vacuum degree | ≤-90kPa            |
| 供气气管<br>Gas supply pipe               | Ø8                                                                  | 吸取类型<br>Suction type           | 止回阀<br>Check valve |

## 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.



# 气动浮动电主轴

Pneumatic floating electric spindle

伯朗特工装系列  
BORUNTE tool series

## 产品特点 Product Features

伯朗特气动浮动电主轴，为去除不规则轮廓毛刺、水口而设计，利用气体的压力来调节主轴侧向偏摆力度，使主轴径向输出力度。可以通过电气比例阀来调节径向力度，变频器调节主轴转速。一般需要配合电气比例阀使用。

可用于去除压铸、重铸铝铁合金件、合模缝、水口、边缘毛刺等。

BORUNTE pneumatic floating electric spindle is designed to remove irregular contour burrs and nozzles. It uses gas pressure to adjust the lateral swing force of the spindle, so that the radial output force of the spindle can be adjusted through an electrical proportional valve, and the spindle speed can be adjusted by a frequency converter. Generally, it needs to be used in conjunction with electrical proportional valves.

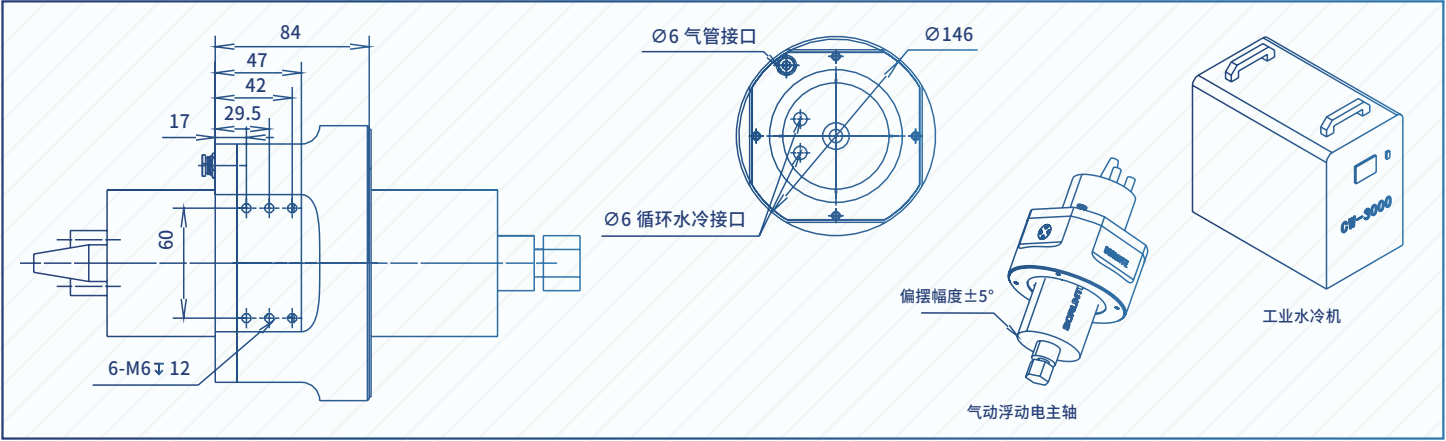
It can be used to remove die cast and recast aluminum iron alloy parts, mold joints, nozzles, edge burrs, etc.



## 主要规格 Main Specification

| 项目/Items                                                                                                                                      | 参数/Parameters | 项目/Items                         | 参数/Parameters | 项目/Items                      | 参数/Parameters                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------|---------------|-------------------------------|------------------------------------|
| 功率<br>Power                                                                                                                                   | 2.2Kw         | 夹头螺母<br>Collet nut               | ER20-A        | 摆动幅度<br>Swing scope           | ±5°                                |
| 空载转速<br>No-load speed                                                                                                                         | 24000RPM      | 额定频率<br>Rated frequency          | 400Hz         | 浮动气压<br>Floating air pressure | 0~0.7MPa                           |
| 额定电流<br>Rated current                                                                                                                         | 10A           | 最大浮动力度<br>Maximum floating force | 180N (7bar)   | 冷却方式<br>Cooling method        | 水循环冷却<br>Water circulation cooling |
| 额定电压<br>Rated voltage                                                                                                                         | 220V          | 最小浮动力度<br>Minimum floating force | 40N (1bar)    | 产品重量<br>Weight                | ≈9KG                               |
| 产品构成：1.浮动主轴本体 2.高频变频器 3.工业水冷机<br>Product composition: 1. Floating spindle body 2. High frequency inverter 3. Industrial water cooling machine |               |                                  |               |                               |                                    |
| 工业水冷机参数<br>Industrial water cooling machine parameters                                                                                        |               |                                  |               |                               |                                    |
| 尺寸<br>Size                                                                                                                                    | 465*265*400mm | 功率<br>Power                      | 0.07kW        | 流量<br>Flow rate               | 13L/min                            |
| 容量<br>Capacity                                                                                                                                | 9L            | 重量<br>Weight                     | 11KG          | 水管接头<br>water pipe joint      | 宝塔头Ø6<br>pagoda-shape joint Ø6     |

## 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.

**伯朗特工装系列**  
**BORUNTE tool series**

It can be used to remove fine burrs on injection molding, aluminum iron alloy parts, small mold seams, and edges



# 轴向力位补偿器

## Axial force position compensator

伯朗特工装系列  
BORUNTE tool series

### 产品特点 Product Features

伯朗特轴向力位补偿器，为恒定的输出打磨力度而设计，采用开环算法，利用气体的压力实时调节平衡力度，使打磨工具能在轴向输出比较平稳的力度。有两种模式可选，可以实时平衡工具重量，也可当缓冲气缸使用。

可用于打磨场合，如异型件外表面轮廓，表面有对应力矩要求等。工作中可做缓冲，减少调试时间。

BORUNTE axial force position compensator is designed for a constant output polishing force, using an open-loop algorithm to adjust the balance force in real time using gas pressure, making the axial output of the polishing tool smoother. There are two modes to choose from, which can balance the weight of the tool in real time or be used as a buffer cylinder.

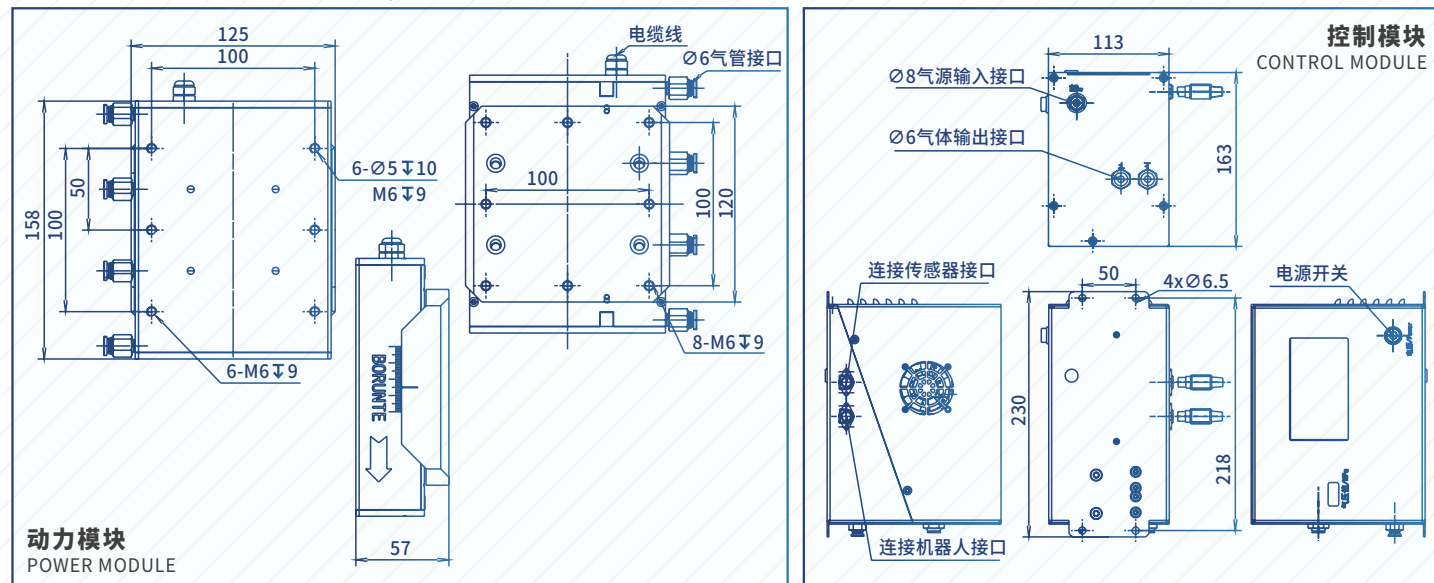
It can be used for polishing occasions, such as the contour of the outer surface of irregular parts, with corresponding torque requirements on the surface, etc. Buffer can be used in work to reduce debugging time.



### 主要规格 Main Specification

| 项目/Items                                   | 参数/Parameters                      | 项目/Items                       | 参数/Parameters                                                                            |
|--------------------------------------------|------------------------------------|--------------------------------|------------------------------------------------------------------------------------------|
| 接触力度调节范围<br>Contact force adjustment range | 25~250N                            | 位置补偿<br>Position compensation  | 28mm                                                                                     |
| 力控精度<br>Force control accuracy             | ±5N                                | 最大工具负载<br>Maximum tool loading | 20KG                                                                                     |
| 位置精度<br>Position accuracy                  | 0.05mm                             | 重量<br>Weight                   | 2.5KG                                                                                    |
| 适用机型<br>Applicable models                  | 伯朗特机器人专版<br>BORUNTE robot specific | 产品构成<br>Product composition    | 1.恒力控制器 2.恒力控制器系统<br>1. Constant force controller<br>2. Constant force controller system |

### 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.

# 旋杯雾化器

Rotary cup atomizer

伯朗特工装系列  
BORUNTE tool series

## 产品特点 Product Features

伯朗特第一代旋杯雾化器，其原理是通过空气马达带动旋杯高速旋转，油漆进入旋杯时，受到离心力的作用而形成圆锥形的漆膜。旋杯边缘齿状凸起会将旋杯边缘的漆膜分割成细小的液滴。这些液滴从旋杯边缘飞出时，受到雾化空气的作用，最终形成均匀细小的雾状。之后通过成型空气和高压静电使漆雾形成柱状。

主要应用于金属制品的油漆静电喷涂。旋杯雾化器的效率更高、雾化效果更好，实测油漆利用率可以达到传统喷枪的2倍以上。

The first generation of BORUNTE rotary cup atomizer was based on the principle of using an air motor to drive the rotary cup to rotate at high speed. When the paint enters the rotary cup, it is subjected to centrifugal force to form a conical paint film. The serrated protrusion on the edge of the rotary cup will divide the paint film on the edge of the rotary cup into small droplets. When these droplets fly out from the edge of the rotary cup, they are subjected to the action of atomized air, ultimately forming a uniform and fine mist. Afterwards, the paint mist is formed into a columnar shape by shape-forming air and high-voltage static electricity.

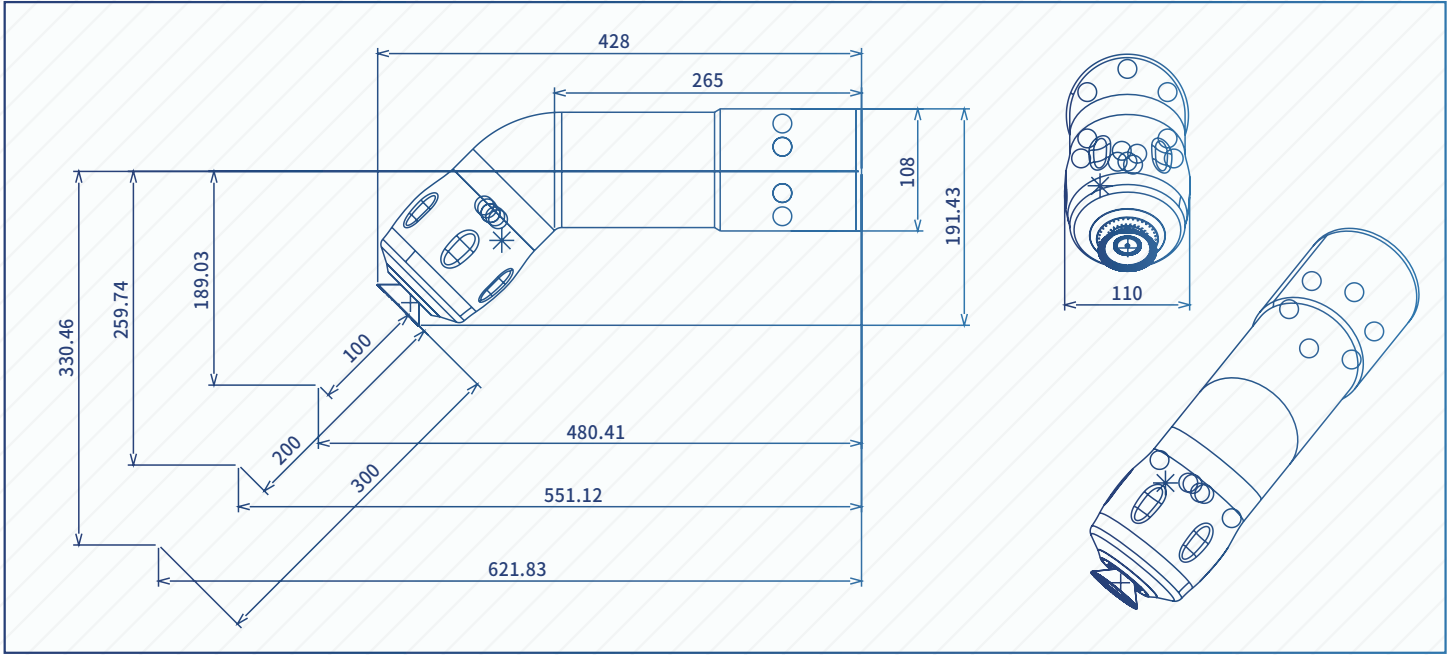
Mainly used for electrostatic spraying of paint on metal products. The rotary cup atomizer has higher efficiency and better atomization effect, and the measured paint utilization rate can reach more than twice that of traditional spray guns.



## 主要规格 Main Specification

| 项目/Items                  | 参数/Parameters | 项目/Items                        | 参数/Parameters | 项目/Items                         | 参数/Parameters |
|---------------------------|---------------|---------------------------------|---------------|----------------------------------|---------------|
| 最大流量<br>Maximum flow rate | 400cc/min     | 整形空气流量<br>Shaping air flow rate | 0~700NL/min   | 雾化空气流量<br>Atomized air flow rate | 0~700NL/min   |
| 最大转速<br>Maximum speed     | 50000RPM      | 旋杯直径<br>Rotary cup diameter     | 50mm          | /                                | /             |

## 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.