

Technical Recommendation

Model: BRTIRPZ2080A

Name: Four axis robot

Robot version :10 version



(Without further notice if specification and exterior have been changed because of improvement. Thanks for your understanding.)

1. BRTIRPZ2080A robot profile

1.1 Introduction of BRTIRPZ2080A

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.

High precision, repeated positioning accuracy: $\pm 0.15\text{mm}$

1.2. Applications cases of BRTIRPZ2080A

(1). palletizing (2). depalletizing, etc.

2. BRTIRPZ2080A robot specifications

| | | | | | | | | |
|-------------------------------|---|----------------------|----|---|--------------|---------|------------|---|
| Model | BRTIRPZ2010B | | | | | | | |
| Axes | 4 axis | | | | | | | |
| Loading ability | 80kg | | | | | | | |
| Repeated positioning accuracy | ±0.15mm | | | | | | | |
| Maximum arm span | 2000mm | | | | | | | |
| Drive method | servo | | | | | | | |
| Weight | 689kg | | | | | | | |
| Max speed | J1 | 129.6°/s | | | J2 | 222mm/s | | |
| | J3 | 160°/s | | | J4 | 296°/s | | |
| Motion range | J1 | ±100° | | | J2 | 1800mm | | |
| | J3 | ±145° | | | J4 | ±360° | | |
| Mounting environment | Operating temperature: 0°C-40°C | | | | Mpa | | 0.5~0.7MPa | |
| | Best temperature: 15°C-25°C | | | | Power supply | | 220V±10% | |
| | Relative humidity: 20-80%RH (No condensation) | | | | | | 50Hz±1% | |
| Core components | Name | Operating system | | | Brand | BORUNTE | | |
| | | Casting body | | | | BORUNTE | | |
| | | Servo motor | | | | BORUNTE | | |
| | | Reducer | | | | BORUNTE | | |
| | | Electrical component | | | | BORUNTE | | |
| RV Oil content | J1 | / | J2 | / | J3 | / | J4 | / |
| Vulnerable parts | None | | | | | | | |
| Robot accompanying materials | USB | | | | | | | |

The rated power, specifications, external dimensions, etc. of this product are subject to modification without prior notice.

Technical data and illustrations are for supply reference only and reserve the right to make changes.



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