

# ER35-2700

ER35-2700,  
Maxium payload 35 kg with maxium reach 2711 mm.

- **Highlights**  
Thanks to the high stiffness structure, with high-speed intelligent palletizing application software, the takt is improved by 20%, bring customers more efficiency;  
Multiple specific application software could be integrated, with soft PLC and a variety of field bus interface, which enable customers easily face various application challenges;  
High performance collision detection function helps safety realization.

- **Applications**  
It can be used in handling operations, palletizing, etc.

- **Industries**  
Suitable for metal parts, photovoltaic, logistics, cement, food and beverage and other industries.



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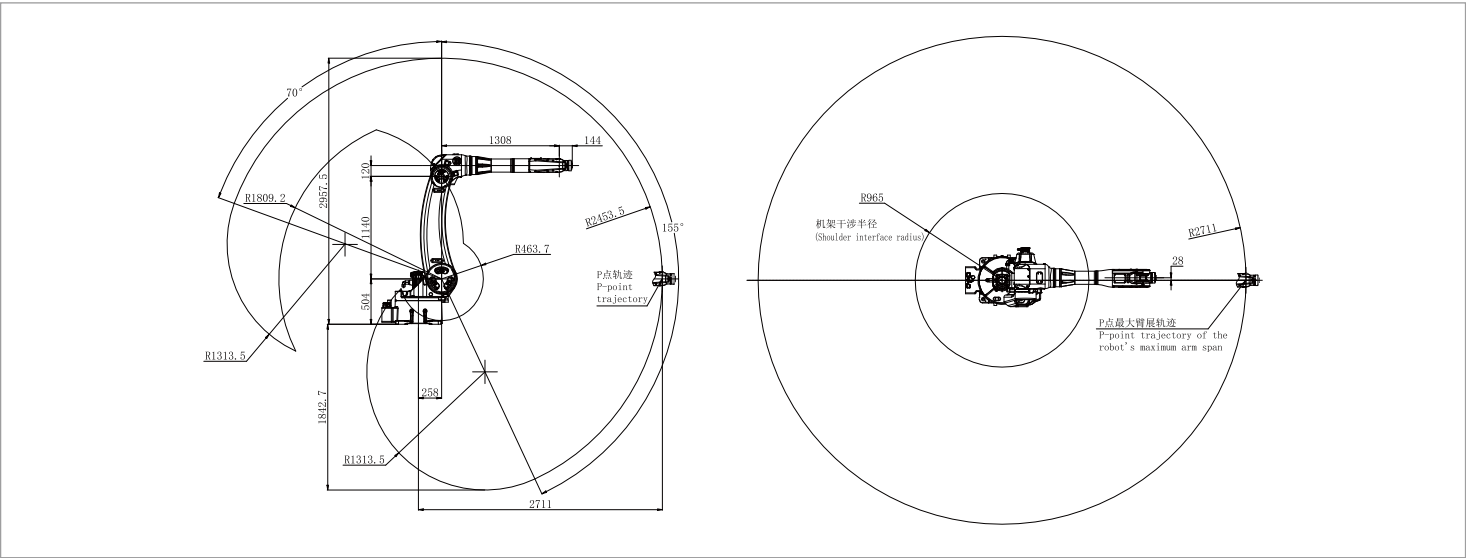
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## SPECIFICATIONS

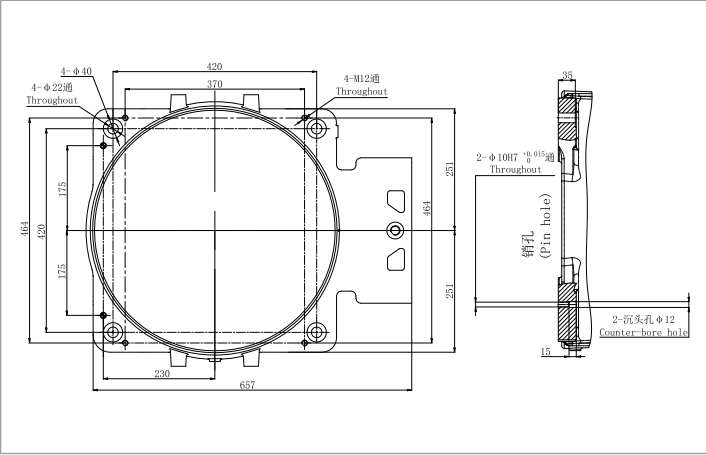
|                         |                        |                                   |
|-------------------------|------------------------|-----------------------------------|
| Model                   |                        | ER35-2700                         |
| Type                    |                        | Articulated                       |
| Controlled axes         |                        | 6 Axes                            |
| Max. payload on wrist   |                        | 35 kg                             |
| Repeatability           |                        | ±0.05 mm                          |
| Robot weight            |                        | 585 kg                            |
| Reach                   |                        | 2711 mm                           |
| Robot IP grade          |                        | IP54                              |
| Cabinet IP grade        |                        | IP54                              |
| Drive mode              |                        | AC servo drive                    |
| Installation            |                        | Floor, Upside-down                |
| Installation enviroment | Ambient temperature    | 0~45 °C                           |
|                         | Ambient humidity       | RH≤80% (No dew nor frost allowed) |
|                         | Vibration acceleration | 4.9 m/s <sup>2</sup> (<0.5 G)     |

|                                 |    |                     |
|---------------------------------|----|---------------------|
| Allowable load moment at wrist  | J4 | 110 N•m             |
|                                 | J5 | 110 N•m             |
|                                 | J6 | 60 N•m              |
| Allowable load inertia at wrist | J4 | 4 kg•m <sup>2</sup> |
|                                 | J5 | 4 kg•m <sup>2</sup> |
|                                 | J6 | 2 kg•m <sup>2</sup> |
| Maximum speed                   | J1 | 190°/sec            |
|                                 | J2 | 160°/sec            |
|                                 | J3 | 190°/sec            |
|                                 | J4 | 300°/sec            |
|                                 | J5 | 350°/sec            |
|                                 | J6 | 410°/sec            |
| Motion range                    | J1 | ±180°               |
|                                 | J2 | +70°-155°           |
|                                 | J3 | +170°-75°           |
|                                 | J4 | ±200°               |
|                                 | J5 | ±130°               |
|                                 | J6 | ±360°               |

## OPERATING SPACE



## BASE MOUNTING SIZE



## END FLANGE MOUNTING SIZE

