

# ER8-900H

**ER8-900H,**  
**Maxium payload 8 kg with maxium reach 910 mm.**

## ■ Highlights

High protection level IP65 of the robot body help customers easy to face dusty, oil misty, high humidity and other harsh environment;  
Thanks to the high stiffness transmission design and advanced trajectory algorithm, the improved robot accuracy performance helps customers to face variety of application scenarios.

## ■ Applications

It can be used for handling operations(machine tending), sorting, assembling, grinding, polishing, Arc welding, etc.

## ■ Industries

Suitable for electronic manufacturing, food and beverage, metal parts, education, plastic, pharmaceutical and other industries.



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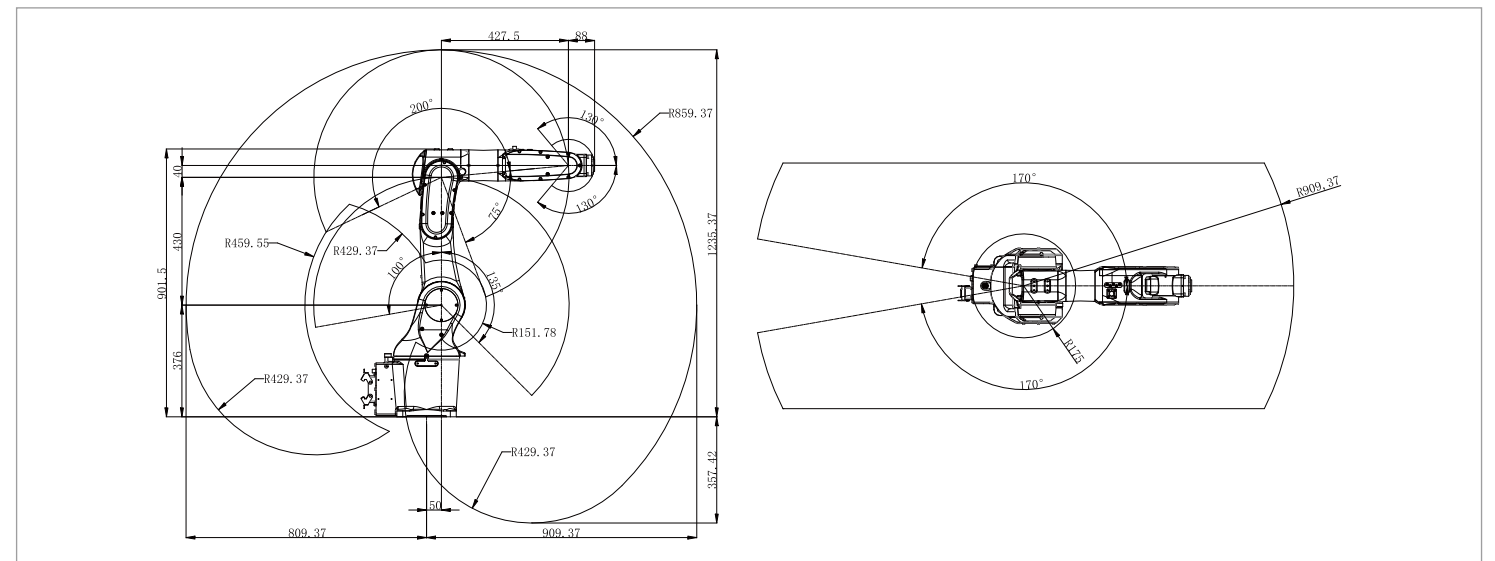
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## SPECIFICATIONS

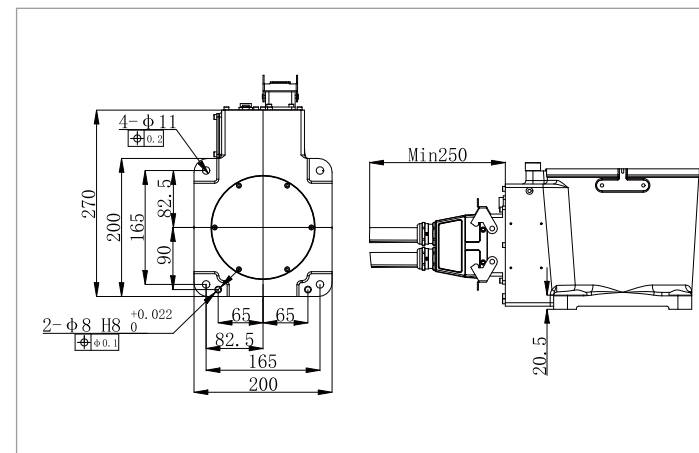
|                            |                           |                                   |
|----------------------------|---------------------------|-----------------------------------|
| Model                      |                           | ER8-900H                          |
| Type                       |                           | Articulated                       |
| Controlled axes            |                           | 6 Axes                            |
| Max. payload on wrist      |                           | 8 kg                              |
| Repeatability              |                           | ±0.02 mm                          |
| Robot weight               |                           | 43 kg                             |
| Reach                      |                           | 910 mm                            |
| Robot IP grade             |                           | IP65                              |
| Cabinet IP grade           |                           | IP20/IP54 (Optional)              |
| Drive mode                 |                           | AC servo drive                    |
| Installation               |                           | Floor, Upside-down                |
| Installation<br>enviroment | Ambient<br>temperature    | 0~45 °C                           |
|                            | Ambient<br>humidity       | RH≤80% (No dew nor frost allowed) |
|                            | Vibration<br>acceleration | 4.9 m/s <sup>2</sup> (<0.5 G)     |

|                                 |    |                        |
|---------------------------------|----|------------------------|
| Allowable load moment at wrist  | J4 | 16.6 N·m               |
|                                 | J5 | 16.6 N·m               |
|                                 | J6 | 9.4 N·m                |
| Allowable load inertia at wrist | J4 | 0.45 kg·m <sup>2</sup> |
|                                 | J5 | 0.45 kg·m <sup>2</sup> |
|                                 | J6 | 0.14 kg·m <sup>2</sup> |
| Maximum speed                   | J1 | 330°/sec               |
|                                 | J2 | 280°/sec               |
|                                 | J3 | 360°/sec               |
|                                 | J4 | 500°/sec               |
|                                 | J5 | 450°/sec               |
|                                 | J6 | 720°/sec               |
| Motion range                    | J1 | ±170°                  |
|                                 | J2 | +100°-135°             |
|                                 | J3 | +200°-75°              |
|                                 | J4 | ±190°                  |
|                                 | J5 | ±130°                  |
|                                 | J6 | ±360°                  |

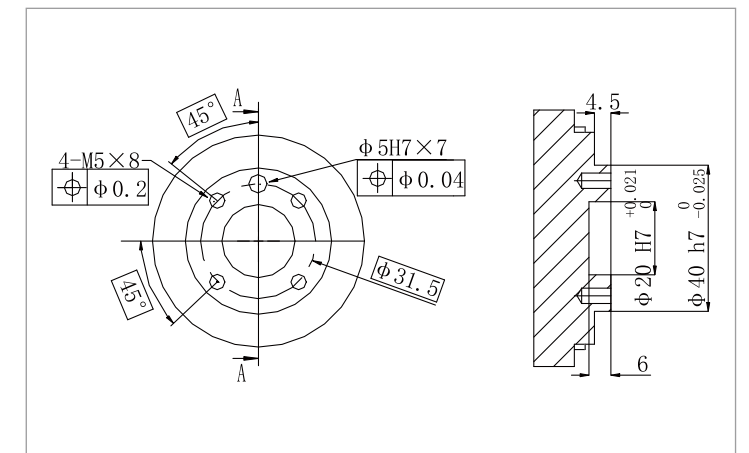
## OPERATING SPACE



### BASE MOUNTING SIZE



### END FLANGE MOUNTING SIZE



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