

ST3-4040 ST6-4050

ST6-4060 ST6-4070



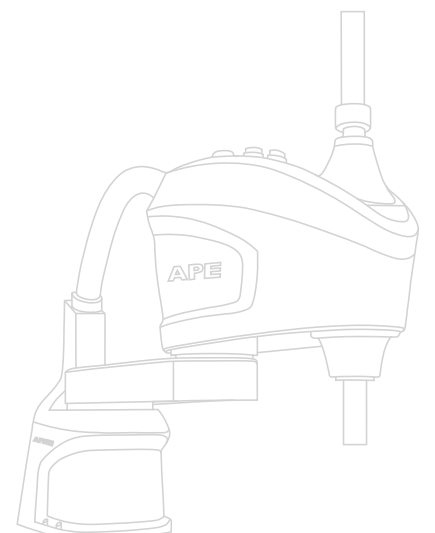
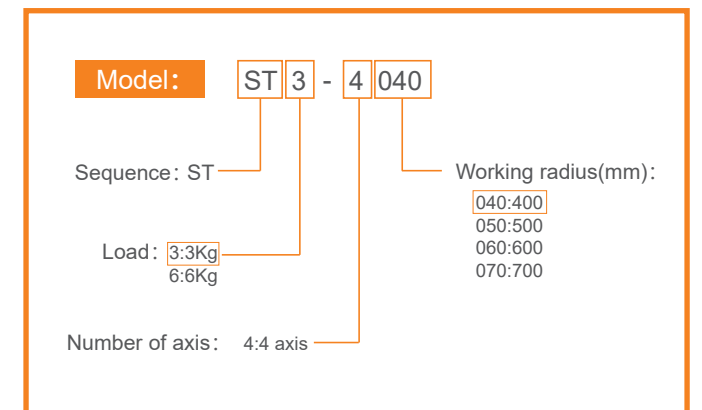
The series of industrial robots are multi joint, multi degree of freedom robots, flexible action, compact structure, easy to install and configure. It has the advantages of short stabilization time, good dynamic performance and high motion repeatability. The body adopts internal wiring, and the joint adopts modular design and assembly. It is easy to maintain and can effectively replace the light manual operation below 6kg.

Typical Applications

- Electric welding
- Feeding and unloading
- Component assembly
- Cut off device
- Belt tracking
- Visual inspection
- Measurement distribution
- Material handling

Features

- High precision, accurate and rapid identification of materials
- Small installation space and fast running speed
- It has high flexibility and versatility
- Multiple complex movements can be realized
- It can coordinate with multiple manipulators at the same time



ST6-4070



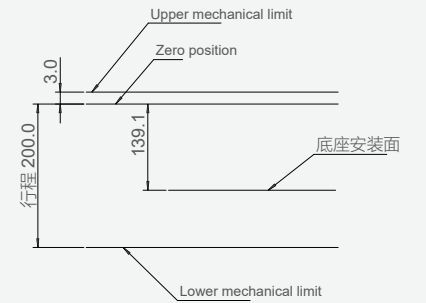
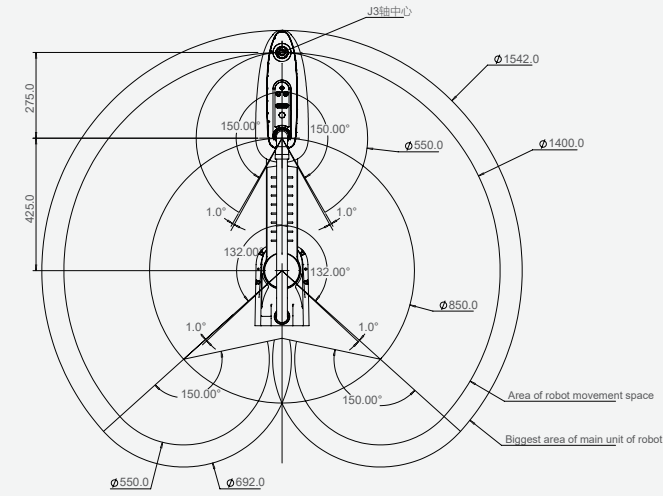
Performance Parameters

| Item | | ST6-4070 | |
|---------------------------------|---------------------------------------|------------------------------------|------------------------|
| Mounting mode | | Desktop | |
| Configuration | | Horizontal multi-articulated robot | |
| Degree of freedom of motion | | 4 | |
| Drive motor | | AC servo motor | |
| Payload | Weight | Rated | 2Kg |
| | | Max. | 6Kg |
| | Allowable inertial moment of joint #4 | Rated | 0.011Kg.m ² |
| | | Max. | 0.13Kg.m ² |
| Max. downforce of J3 axis | | 150N | |
| Power of each motion axis | J1 | 400W | |
| | J2 | 200W | |
| | J3 | 100W | |
| | J4 | 100W | |
| Arm length | Primary arm | 425mm | |
| | Secondary arm | 275mm | |
| Max. reachable radius | | 700mm | |
| Working space | J1 | ±122° | |
| | J2 | ±145° | |
| | J3 | 200mm | |
| | J4 | ±720° | |
| Max. speed | J1+J2 | 6.8m/s | |
| | J3 | 0.925m/s | |
| | J4 | 1875deg/s | |
| Standard cycle time *1 | | 0.47s | |
| Repeated positioning accuracy | J1+J2 | ±0.02mm | |
| | J3 | ±0.01mm | |
| | J4 | ±0.01° | |
| Main unit weight (excl. cables) | | 25Kg | |
| User electric circuit | | 15 Pin D-sub | |
| User air circuit | | φ4mmx1, φ6mmx2 | |
| Environmental specification | | IP20 | |

*1: Movement time refers to the shortest time that under rated load, it moves back and forth in a range of 300mm horizontally and 25mm vertically.

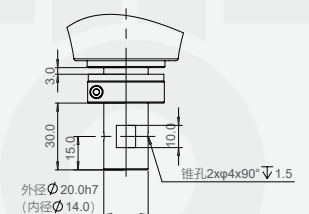
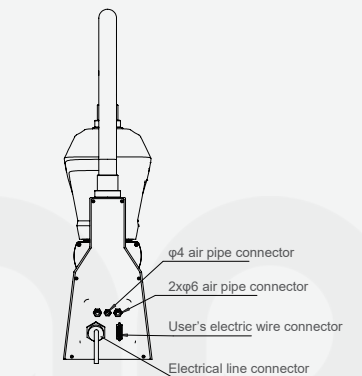
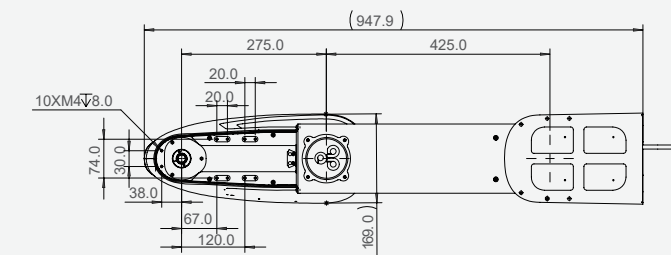
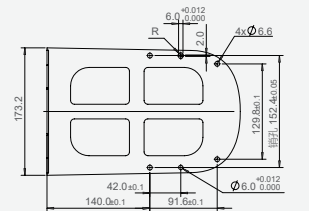
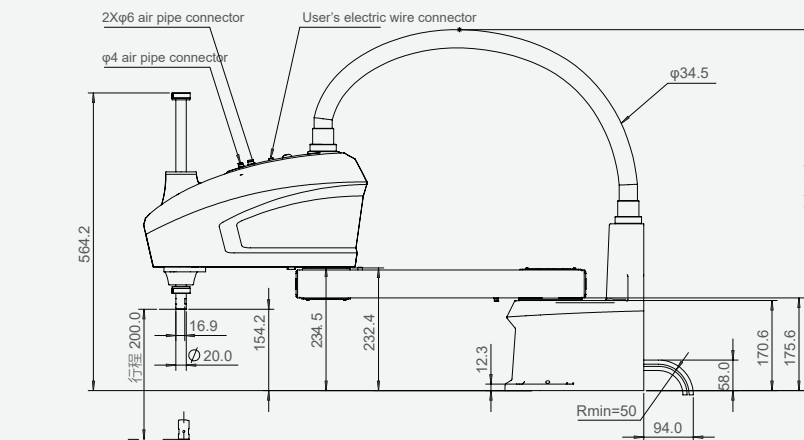
Motion range

[单位: mm]



Installation Dimension

[单位: mm]



The position shown in View A is the origin position of axis 3 and axis 4