



Global Energy Co.,Ltd.



Multiple-jointed Industrial Robot

Introduction

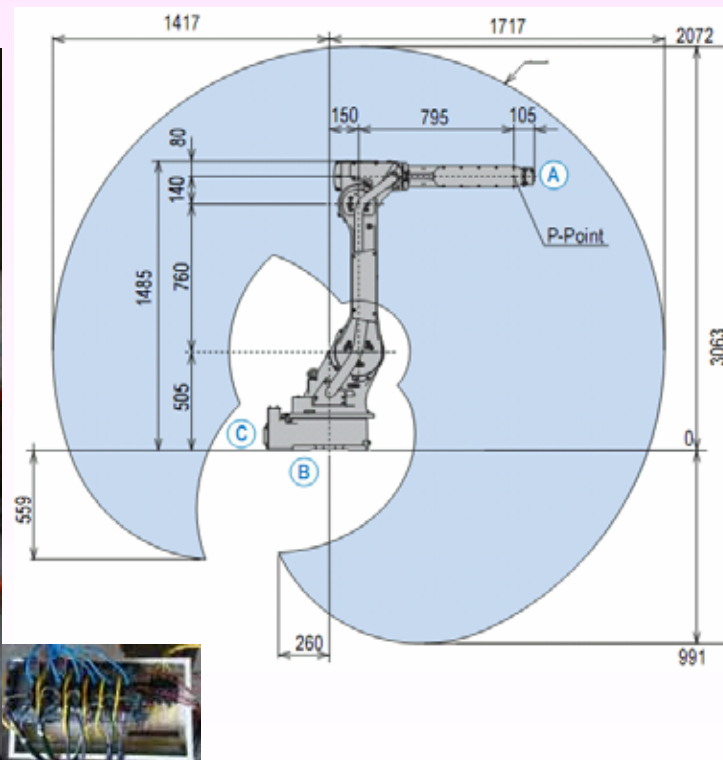
Developing key technology of multiple-jointed robot to improve the performance of various possible application, such as assembly, crawl, handing, and carving....

Features and Innovation

- Serial control architecture has minimal control components.
- High accuracy and repeatability, the maximal resolution of each axis up to 2^{22} clocks.
- Modular electrical control system design, ease of repair and maintenance.
- Intuitive teaching system design enables novice human to teach robot motions easily.
- Precision motion control achieved by friendly human-machine operation interface.

Applications and Economic benefits

- Assisting local businesses to achieve manufacturing and processing automation. It can be applied in a variety of automated production line.
- Assisting in dealing with high pollution and high risk work to reduce the casualties.



Basic Specification

Max. payload: 20kg
 Repeatability: ± 0.01 mm
 Vertical reach: 2160mm
 Horizontal reach: 1590mm

Maximum Motion Range

S-Axis(Turning): $\pm 120^\circ$
 L-Axis(Lower Arm): $+112.5^\circ/-126^\circ$
 U-Axis(Upper Arm): $+177^\circ/-120^\circ$
 R-Axis(Upper Arm Twist): $\pm 180^\circ$
 B-Axis(Pitch/Yaw): $\pm 135^\circ$
 T-Axis(Twist): $\pm 360^\circ$

Maximum Speed

S-Axis(Turning): 179°/s
 L-Axis(Lower Arm): 165°/s
 U-Axis(Upper Arm): 167°/s
 R-Axis(Upper Arm Twist): 300°/s
 B-Axis(Pitch/Yaw): 300°/s
 T-Axis(Twist): 400°/s