RX160 series industrial robots

Automotive and equipment manufacturers
Cleanroom
Food
Life Sciences and pharma
Machine tending
Painting
Plastics

RS
Scara / 4 axis

TX
Low payload / 6 axis

RX
Medium payload / 6 axis

RX
Heavy payload / 6 axis
### RX160 Dimensions

- **Axial: 1**
  - Maximum reach between axis 1 and 5 (R. M)
  - Minimum reach between axis 1 and 5 (R. m1)
  - Minimum reach between axis 2 and 5 (R. m2)
  - Minimum reach between axis 3 and 5 (R. b)

- **Axial: 2**
  - Maximum speed at load gravity center
  - Maximum speed at load gravity center (Axis 5)

- **Axial: 3**
  - Maximum speed at load gravity center (Axis 6)

- **Axial: 4**
  - Maximum speed at load gravity center

- **Axial: 5**
  - Maximum speed at load gravity center

- **Axial: 6**
  - Maximum speed at load gravity center

### RX160L Dimensions

- **Axial: 1**
  - Maximum reach between axis 1 and 5 (R. M)
  - Minimum reach between axis 1 and 5 (R. m1)
  - Minimum reach between axis 2 and 5 (R. m2)
  - Minimum reach between axis 3 and 5 (R. b)

- **Axial: 2**
  - Maximum speed at load gravity center
  - Maximum speed at load gravity center (Axis 5)

- **Axial: 3**
  - Maximum speed at load gravity center (Axis 6)

- **Axial: 4**
  - Maximum speed at load gravity center

- **Axial: 5**
  - Maximum speed at load gravity center

- **Axial: 6**
  - Maximum speed at load gravity center

### Work Envelope

- **Motion range**
- **Forearm connections**
- **Maximum inertias**
- **Maximum speed**

### Wrist

- **Mounting**
- **Cleanroom standard - ISO 14644-1**
- **Protection class (wrist)**
- **Stäubli CS8 series controller**

### Installation Environment

- **Working temperature according to standard directive NF EN 60 204-1**: +5°C to +40°C
- **Humidity according to standard directive NF EN 60 204-1**: 30% à 95% max. non-condensing

### Attachment Methods

- **Floor/Ceiling**

### Pressurized version

- **HE (Humid Environment) version**

### Market specific versions

- **CR Cleanroom - class 4 cleanliness - ISO 14644-1**
- **Paint - ATEX (Europe), Factory Mutual or cCSAus (USA) certifications**

### Additional Notes

1. Under special conditions, consult us.
2. Software configurable up to ±18000°.
3. Pressurization kit: necessary for use in an environment with high dust levels or with substantial liquid splashing. This kit generates positive pressure in the arm. Factory installation only and required with Pressurization kit.
4. Version HE (Humid Environment): designed for use in humid and oxidizing environments. The arm components are painted individually, providing additional arm protection against oxidation and corrosion. Factory installation only and required with Pressurization kit.
Product benefits

The RX160 robot series feature unique benefits to fit in all environments providing the best possible process quality and increased productivity.

WRIST
IP67 rating, submersible, high robustness, limited built-up on wrist.

STÄUBLI PATENTED REDUCTION GEAR SYSTEMS
Unmatched precision, flexibility and speed, high rigidity, reduced maintenance.

FOREARM CONNECTIONS
Electrical and pneumatic connections close to the tool, user lines already installed.

RIGID STRUCTURE
Better dynamic performance.

ENCLOSED STRUCTURE
Easy to clean and use in clean or hostile environments.

ARM FINISH
Smooth or textured, color customization.

MULTIPLE ATTACHMENT METHODS
Adaptability and flexibility (floor, ceiling).