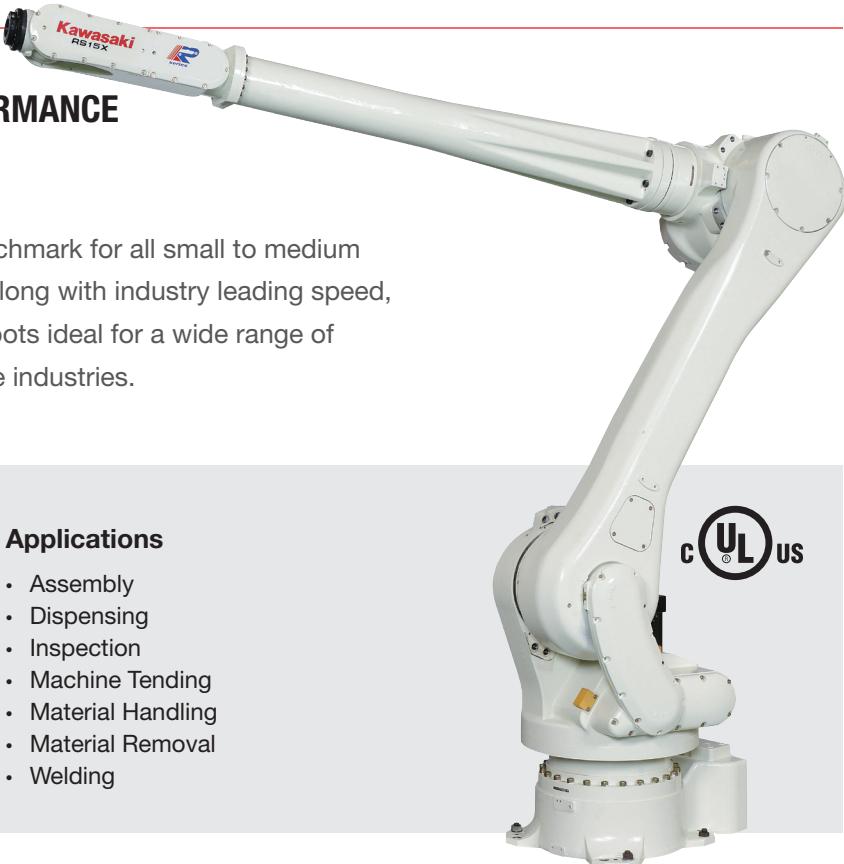




## HIGH-SPEED, HIGH-PERFORMANCE INDUSTRIAL ROBOTS



# RS15X

<b>Payload</b>	15 kg
<b>Horizontal Reach</b>	3,150 mm
<b>Vertical Reach</b>	5,731 mm
<b>Repeatability</b>	±0.15 mm
<b>Maximum Speed</b>	19,900 mm/s

### Applications

- Assembly
- Dispensing
- Inspection
- Machine Tending
- Material Handling
- Material Removal
- Welding

### ULTRA HIGH-SPEED OPERATION

The new lightweight arm along with high-output high-revolution motors provide industry leading acceleration and high-speed operation. The acceleration rate automatically adjusts to suit the payload and robot posture to deliver optimum performance and the shortest cycle times.

### WIDE WORK RANGE

In addition to extending the robot's maximum reach, the rotation range of each axis has also been increased. The extended motion range translates to a larger usable work area with minimal dead-space and greater flexibility.

### ENVIRONMENTAL PROTECTION

The R-Series incorporates a double-seal construction on all axes and the electrical connections are water-resistant offering an IP67 classification for wrist and IP65 for the remaining axes. If a wash-down arm is required, the entire robot can be provided as IP67.

### HIGH TORQUE

High-output motors combined with a rigid arm construction, allow for superior wrist torque and load capacity.

### INTEGRATED FEATURES

Built-in pneumatic lines and internal wiring are standard. Mounting pads and taps are provided to allow easy installation of additional cabling, tubing or equipment.

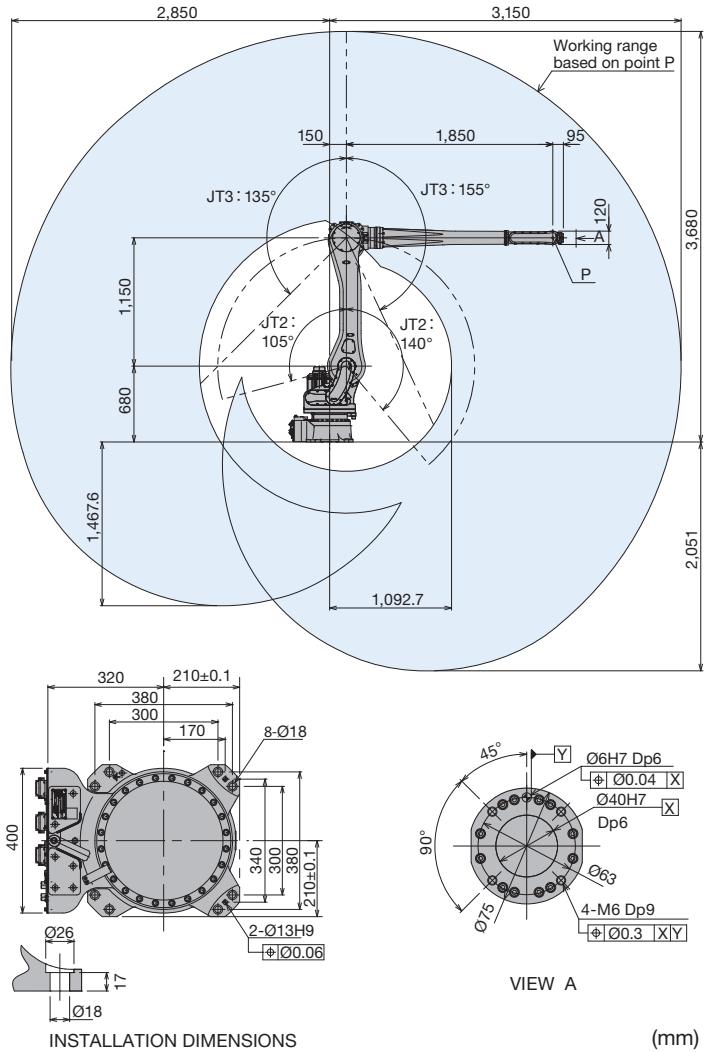
### SPACE SAVING

The slim arm design requires very little floor space. Multiple robots can be installed in "high-density" applications without impeding performance.

### EASY MAINTENANCE

The Kawasaki design requires very little maintenance while boasting industry leading mean time between failures (MTBF).

## MOTION RANGE & DIMENSIONS



**Note:** Detailed drawings are available upon request.

## RS15X SPECIFICATIONS

Type	Articulated	
Degrees of Freedom	6 axes	
Payload	15 kg	
Horizontal Reach	3,150 mm	
Vertical Reach	5,731 mm	
Repeatability	±0.15 mm	
Maximum Speed	19,900 mm/s	
Work Envelope (degrees) & Maximum Speed (degrees/s)	Axis	Motion Range
	JT1	±180°
	JT2	+140° ~ -105°
	JT3	+135° ~ -155°
	JT4	±360°
	JT5	±145°
	JT6	±360°
Wrist Load Capacity	Axis	Maximum Torque
	JT4	34 N·m
	JT5	34 N·m
	JT6	22 N·m
Motor(s)	Brushless AC Servomotor	
	Brakes	
	All axes	
Hard Stops	Adjustable mechanical stopper JT1/JT2/JT3	
Mass	545 kg (excluding Options)	
Body Color	Kawasaki Standard	
Installation	Floor, ceiling	
Environmental Conditions	Temperature	0 ~ 45° C
	Humidity	35 ~ 85 % (no dew, nor frost allowed)
	Vibration	Less than 0.5 G
Protection Classification	Wrist: IP67 Base: IP65 * Equivalent	
Built-in Harness	Sensor harness 12 inputs, 24VDC, GND	
Built-in Utilities	Pneumatic piping (Ø10 x 2 lines)	
Options	IP67 entire arm Linear track options Riser (300/600 mm) Base plate Double/single solenoid valves (4 units max.) Internal wiring (14 wires inside robot arm) Air cleaning equipment (filter, regulator, mist separator) Limit switch JT1	
	Controller E32 (see E Controller data sheet for specifications)	

Simple  friendly

Assembly • Cutting • Dispensing • Grinding • Handling • Inspection • Packaging • Painting • Palletizing • Polishing • Tending • Welding

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