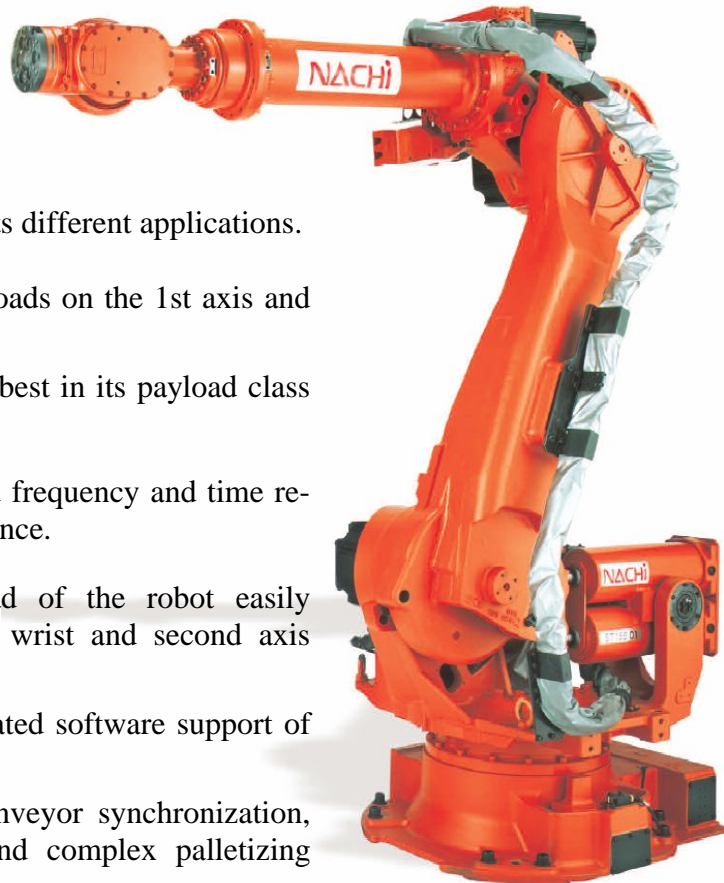


Presto St166/st200

Handling Series

Robot Features

- > Versatile robot arm supports different applications.
- > Supports heavy auxiliary loads on the 1st axis and on the fore arm.
- > Powerful, compact wrist - best in its payload class for torque and stroke.
- > Easy to maintain - reduced frequency and time required to perform maintenance.
- > Modular design - payload of the robot easily changed by replacing the wrist and second axis motor.
- > Ideal for handling - integrated software support of palletizing applications
- > Software accessories - conveyor synchronization, vision guided handling and complex palletizing patterns support.



Applications

- Spot Welding
- Machine tending
- Assembly
- Machining (drilling, deburring, routing)
- Palletizing
- Sealing
- Handling

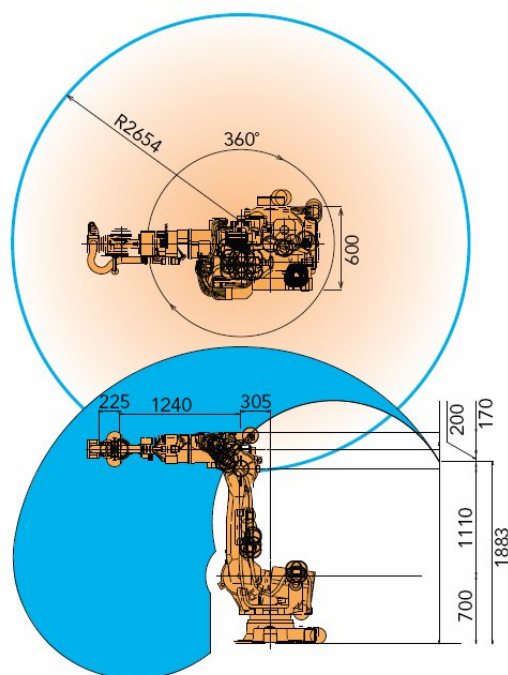
BASIC SPECIFICATIONS

		ST166	ST200	
Construction		Articulated	Articulated	
Number of Axes		6	6	
Loading Weight on Wrist		166 Kg	200 Kg	
Drive		AC Servo Motor	AC Servo Motor	
Position Feedback		Absolute Encoder	Absolute Encoder	
Maximum Stroke	J1 Swivel	±180°	±180°	
	Arm	J2 Back & Forth	+80° ~ -60°	+80° ~ -60°
		J3 Up & Down	+240° ~ -136°	+240° ~ -136°
		J4 Rotation 2	±360°	±360°
	Wrist	J5 Bend	±135°	±135°
		J6 Rotation 1	±360°	±360°
Maximum Velocity		J1 Swivel	100° /sec	100° /sec
	Arm	J2 Back & Forth	90° /sec	90° /sec
		J3 Up & Down	95° /sec	95° /sec
		J4 Rotation 2	150° /sec	120° /sec
	Wrist	J5 Bend	150° /sec	120° /sec
		J6 Rotation 1	210° /sec	190° /sec
Repeatability		±0.3 mm	±0.3 mm	
Ambient Temperature		0-45°C (32-113°F)	0-45°C (32-113°F)	
Installation		Floor	Floor	
Robot Body Weight		1,170 Kg	1,215 Kg	

Note: Nachi reserves the right to change these specifications without prior indication

OPERATING RANGES

ST166/166-01A



ST200/200-01A

