

Medium sized work-piece painting cell

“An Ultra-Compact Painting System”

Features

1. Space Saving Design

In a confined work space, the servo controlled arms can transfer parts to and from the operator load/unload station as well as manipulate the part in front of the robot.

2. A Compact Robots Can Paint Large Parts

The Servo Wing can present parts in front of the robot in the same position for Arm A as Arm B. A long reach robot, that is typically needed to reach multiple painting stations, is not required. In addition, the servo controlled arms can present the part in the optimal positions and orientations, limiting any excess motion of the robot arm.

3. Easy to Program

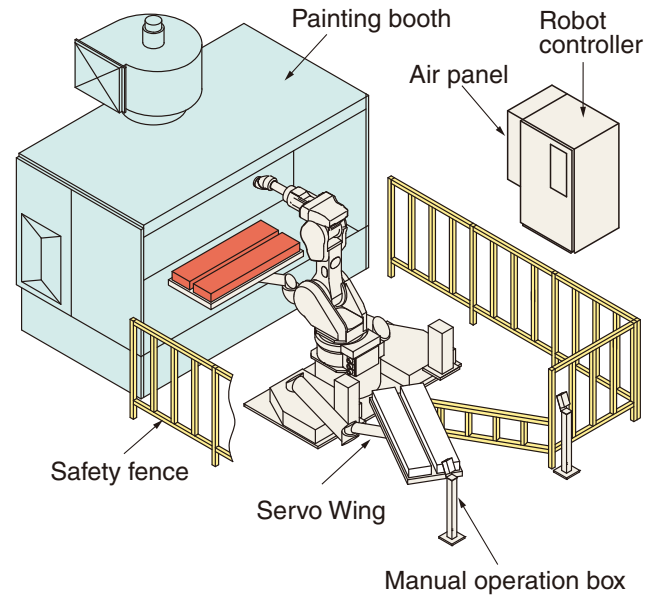
The Kawasaki teaching method is easy to use. Automatic path generation software enables fast program creation with only several touch points. The Servo Wing dual arm design presents both parts to the same position in front of the robot. This unique design allows the programmer to create only one program for both Arm A and Arm B.

4. Minimal Overspray and Contamination

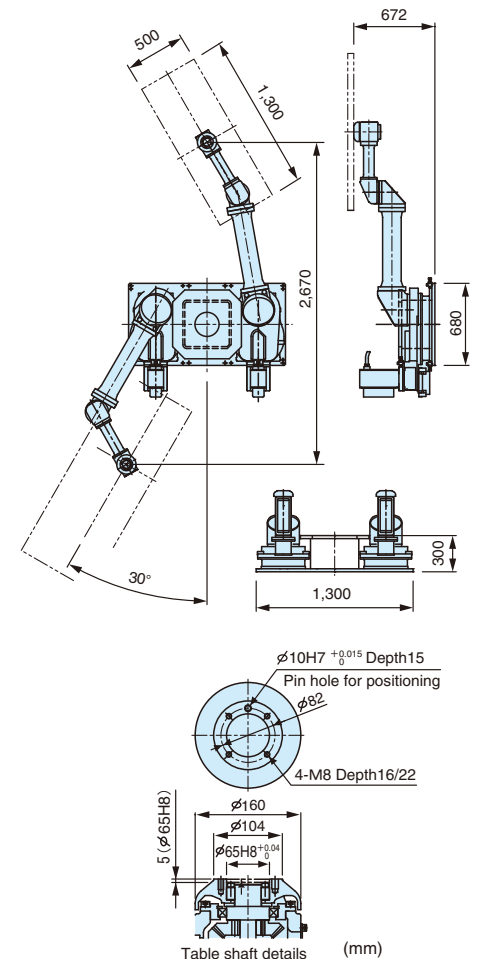
The Servo Wing can present the parts directly in front of the booth, minimizing overspray. The servo arm design has no exposed rails or other mechanisms that are prone to paint build-up and maintenance.

5. Quick Start-up

The Servo Wing System is a proven pre-engineered Kawasaki solution. The time from system concept to production is greatly reduced as compared to custom system. The Kawasaki Controller can handle all of the paint process as well as the servo control of the arms, eliminating the need for additional equipment. The Kawasaki Robot and Servo Wing system can be programmed prior to installation to allow for quick production start-up. If the system ever needs to be moved, relocation is easy and will not require any programming changes.



External View and Dimensions



Specifications

		Standard
Table load		30 kg x 2 Table
No. of control axes		Robot 6+ Servo wing 2
Control method		Servo control
Teaching playback method		PTP teaching+CP control
Position detection method		Absolute encoder
Arm	Stroke	2,670mm
	Max. speed	540 mm/sec
Table	Operation angle	Infinite resolution
	Indexing angle	90-deg and arbitrary angle
	Indexing time	1.2/90
	Uninterrupted rotary speed	Max. 90°rpm
	Rotary direction	Normal/reverse rotation
Intermediate stop function		The intermediate stop function and multiple coating control function are available.
Explosion protection		Air pressurized explosion protection and intrinsically safe. Explosion-proof composite type (Expib BT4 / Exib BT4)
Mass		970kg
Color		Munsell 10GY9/1 equivalent