Kawasaki

Kawasaki Robotics (USA), Inc.

Simple & friendly

K series

Painting Cell for Medium-Size Applications

Servo Shuttle

Ultimate "Table Painting" System

KEY FEATURES

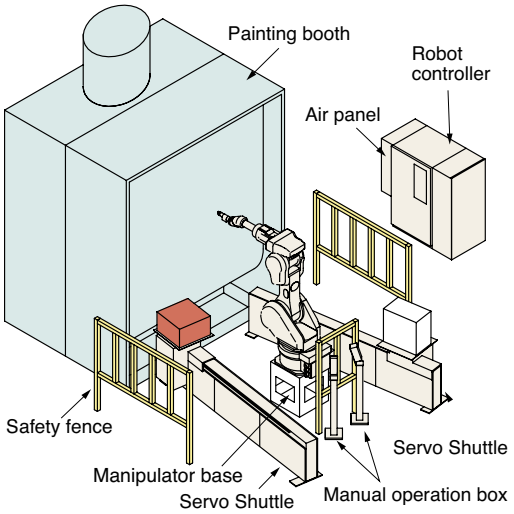
Improvement in Productivity
Servo motion provides high speed work piece transfer and rotation with smooth start and stop operation. Individual servo table and servo shuttle system allows for continuous work piece rotation and the ability to cooperatively track the part with the Kawasaki Robot.

Improved Finish Quality
Infinite position control of the table presents the work piece in the optimum location in order to achieve the highest quality finish.

Simple Teaching
Kawasaki's "Simple and Friendly" Robot teaching approach reduces the set-up time and improves productivity.

Flexible Cell Configurations
The Servo Shuttle system can be equipped with two 20kg or 60kg capacity tables. The shuttles are available in four lengths from 2 to 4 meters. Ideal for painting large enclosures, appliances, dishware, automotive instrument panels, etc.

Simple Installation
The complete system is simple to install and program, yet capable of performing some of your most complex painting tasks.

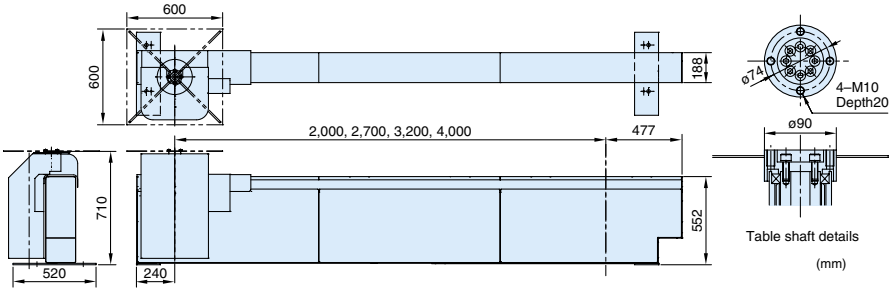


SPECIFICATIONS

		STANDARD	HEAVY LOAD CARRYING
Table Load		20 kg x 2 Tables	60 kg x 2 Tables
No. of Control Axes		6-Axis Robot + 2-Axis Servo Shuttle	
Control Method		Servo Control	
Programming Method		Point-to-Point Teaching/Off-line Programming/AS Langauge	
Position Detection Method		Absolute Encoder	
Shuttle	**Stroke**	2,000 mm, 2,700 mm, 3,200 mm, 4,000 mm	
	Max. Speed	1,000 mm/sec	
Table	**Operation Angle**	Infinite Revolution	
	Indexing angle	90° and Arbitrary Angle	
	Indexing Time	0.8 sec./90°	1.2 sec./90°
	Uninterrupted Rotary Speed	Max. 90 rpm	Max 45 rpm
	Rotary Direction	Normal/Reverse Rotation	
Intermediate Stop Function		The intermediate stop function and multiple coating function are available.	
Explosion Protection		Pressurized and Intrinsically Safe (class 1, zone 1, group IIB & T4 certified)*	
Mass		One Side: 230 kg to 310 kg	One Side: 350 kg to 405 kg
Color		Kawasaki Standard	

Note: The work piece table, fixtures, paint booth, and other equipment to be supplied by purchaser.
*Contact KRI for latest certification.

EXTERNAL VIEW AND DIMENSIONS



ServoShuttle - REV06/06

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