

Small Painting Applications

Servo Twister

A Compact yet Sophisticated System

KEY FEATURES

Small Installation Space

The installation space required for this system is 2,200 mm x 1,966 mm with a 600 x 600 mm tables. This compact size allows installation of the cell in a small area, similar in size to a manual spray booth.

Rotary Table Functions

In spite of its compact size, the Servo Twister system is capable of performing advanced functions such as; rotary coating, indexed coating, and rotary table/robot synchronization.

8-Axis Painting System

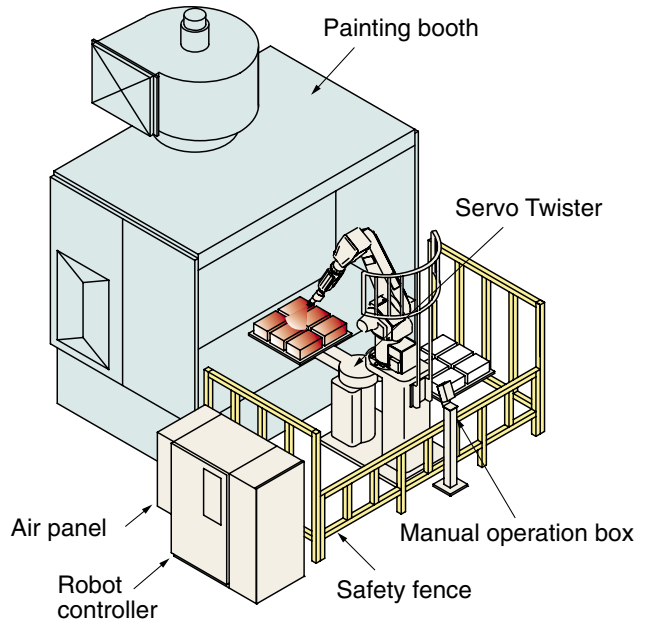
The Servo Twister uses a Kawasaki K-Series, 6-axis, explosion-proof, articulated, robotic arm with two additional servo controlled axis for part manipulation.

Shared Coating Program

The integration of the robot and painting table into one harmonious system, allows for programs to be shared between other Kawasaki painting robots.

Short Installation Time

The Servo Twister System is assembled and tested at Kawasaki prior to delivery. This standard cell concept allows for quick installation resulting in the shortest time to production.



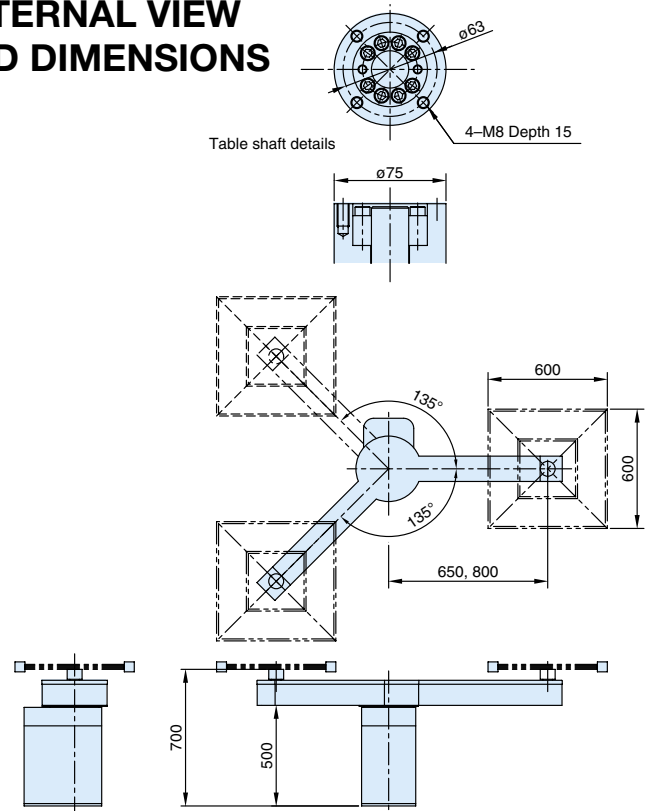
SPECIFICATIONS

		STANDARD
Table Load		20 kg x 2 Tables
No. of Control Axes		6-Axis Robot + 2-Axis Servo Twister
Control Method		Servo Control
Programming Method		Point-to-Point Teaching/Off-line Programming/AS Language
Position Detection Method		Absolute Encoder
Arm	Length	650 mm, 800 mm
	Operation Angle	135°
	Indexing Time	1.8 sec./135°
Table	Operation Angle	Infinite Revolution
	Indexing Angle	90° and Arbitrary Angle
	Indexing Time	0.8 sec./90°
	Uninterrupted Rotary Speed	Max 90 rpm
Rotary Direction		Normal/Reverse Rotation
Explosion Protection		Pressurized and Intrinsically Safe (class 1, zone 1, group IIB & T4 certified)*
Mass		120 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



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