

Coating robot, SWAN

SWAN



The coating robot SWAN is developed for 'R Technology', it is self-supporting explosion proof body and high-precized double turn system combined. It equips everything as 'ALL-IN-ONE' for Spraying !

For wonderful coating surface
and running cost reduction
Excellent finish and operating cost reduction

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Efficient paint supply system
for paint and thinner consumption

Minimize for individual difference
for system mechanism.
consistent production performance

Maintainability up by manifold
type automatic gun
Improved maintenance due to manifold type automatic gun

Short launch time by integrated
Robot and Feeder
Easy installation of robot and feeder combined

Unified control on spray condition
by control panel
Total control of spraying production via control panel

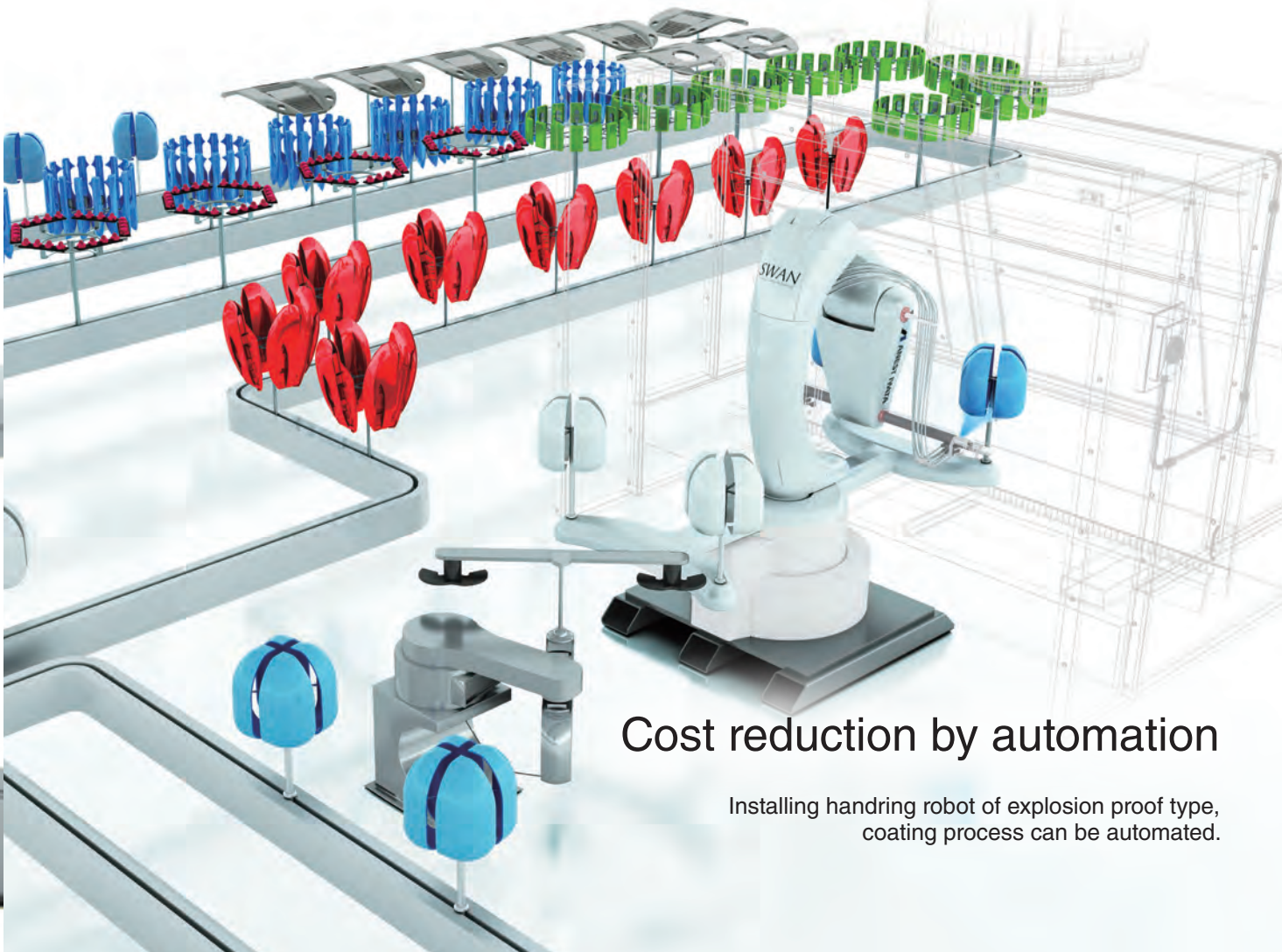
Enhanced safety
by explosion-proof enclosure





Let Spindle coating technology take you into new spraying era

Equipped with new developed automatic spray gun
for higher atomization and great evenness



Cost reduction by automation

Installing handing robot of explosion proof type,
coating process can be automated.

Optimized for small quantity and wide variety of components

SWAN can spray anything such as small to medium sized parts



Door handle



Smartphone



Door mirror



Automobile parts



Wheel



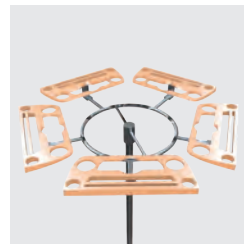
Exterior panel



Vacuum cleaner



Car interior button

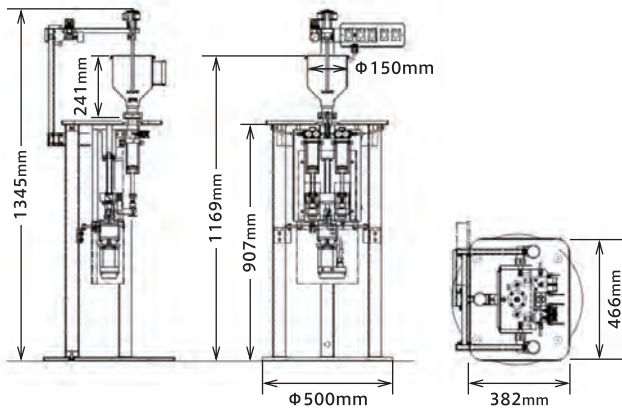


Interior panel



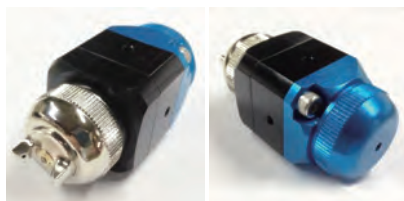
Knob

Cylinder pump

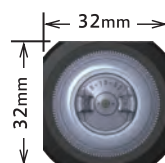


Type	Cylinder pump of one cup type	
Drive system	Ball screw	
Cup volume	2L(2 cups included)	
Table size	W720/D420/H800	
Cylinder pump	Numbers	2 pcs
	Cylinder volume	100cc
	Cylinder material	SUS304 + Special coating
Piston	Stroke	80mm
	Piston material	SUS304
Connection	O ring material	Special rubber
	Input	PT 1/8
Driving motor	Output	PT 1/8
	Explosion proof type, AC servo motor 200W	
Valve	Type	Air operation type
	Suction valve numbers	2
	Connection	PT 1/8
Paint flow range	30-150cc/min	
Explosion proof specifications	Confirmed to the general rule IEC60079-0 and explosion proof IEC60079-1(Explosion proof performance: Exd II BT4 GbX)	

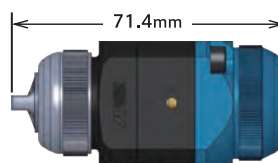
Scotch gun - Specialized in spindle coating



Dimensions



weight : 160g



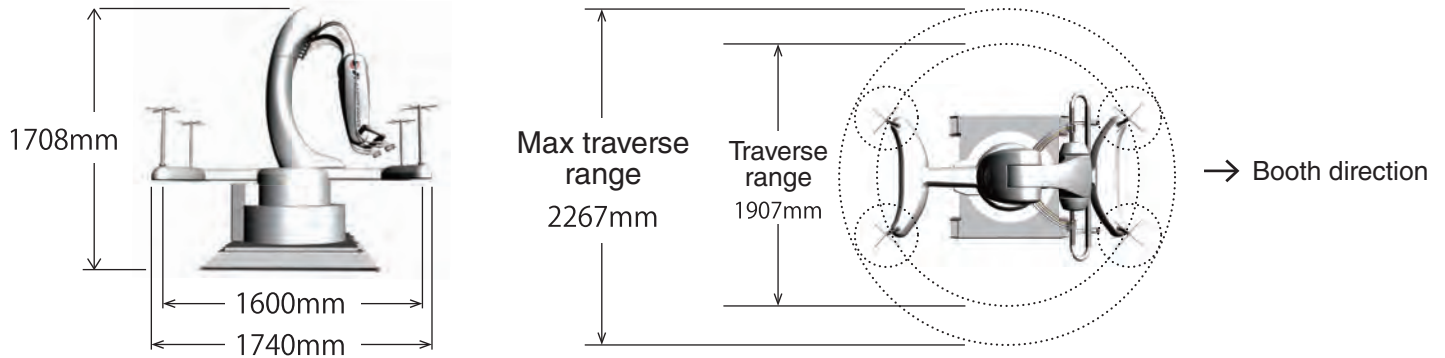
Specifications

test paint: lacker paint [10sec/NK-2](#)

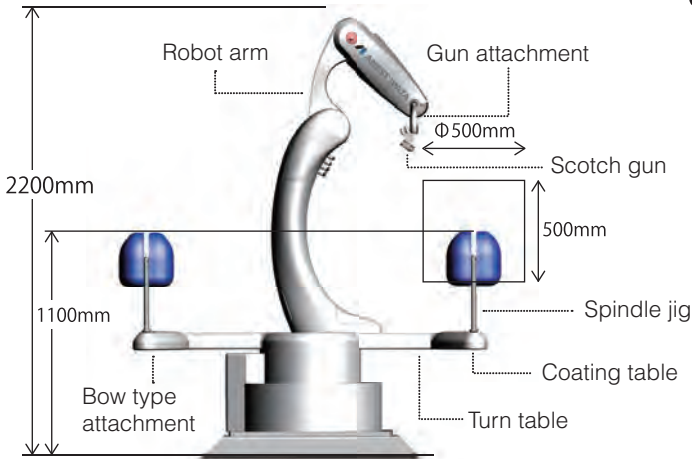
Model	Nozzle	Spray distance	Air pressure		Air consumption	Paint output	Pattern		weight
			Atomization	Pattern			width	form	
R-15T	φ1.0	100mm	0.15Mpa	0.12Mpa	77 L/min	100 mL/min	125mm	flat	160g

Standard type

SWAN double turn 4 top 1600 type



●1600 type



●Dedicated controller for SWAN



●Optional product

Double turn 2 top 1400 type
Double turn 4 top 1200 type

In certain case, actual size is difference of above specifications and chart size. To make it sure, please get in contact with the person in charge about that.



Specifications

Swan double turn 4 top 1600 type

[Standard type] Depth: 1740mm, Turn table:1, Coating spindle table: 1, Coating table: 4, Standard numbers for automatic guns: 2.

Coating robot

Body weight	Approximately 620 kg
Power source	AC200V(3 pahse), 2.5kVA
Compressed air	air pressure: 0.5Mpa, Air flow 400l/min (Clean dry air)
Weight capacity	5 kg
The maximum number of mounted guns,	4 guns
Operating accuracy	800mm/s (first axis)
Operating position repeatability	±0.5mm
Control panel weight	approximately 200 kg

Double turn transferring machine

Weight capacity	5kg/table(4TOP) 10kg/table(2TOP).OP	
Table distance	750mm	
Double turn distance	1600mm(1200mm.OP) (Single : 1400mm.OP)	
Double turn RPM	45deg/sec(180deg/4cec)	
Table RPM	±200rpm	
Work piece capacity	Diameter	500mm
	Height	500mm
Motor capacity	double turn	200W Explosion-proof motor
	Table	200W Explosion-proof motor

Control Panel

Axis	Robot : 4 axis Spindle : 3 axis Paint supply unit : Max 2 pcs,
Type	PTP control, CP control type
Teaching	Package program by PC Interactive type PACK or PTP teaching options
Display	Color display 17 inches
Memory	Flush Disk
External Memory	USB media

.OP:Option



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