

The newest "Dual electric fields powder coating hand gun unit"

Eco Dual



Aiming at eco-friendly and
human-friendly coating

"Ec'Coater" is formed from the words "Ecology"
and "Coater (coating machine)"
"Ec'Coater" represents our concept born through
our corporate principle.

More Intelligent More Smoothly

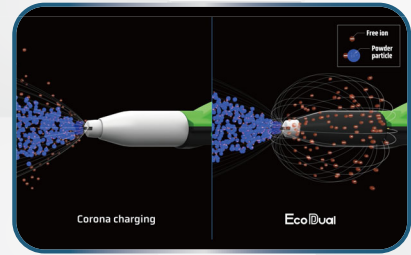
We contribute your coating

Reduce

1

Reduce amount of paint usage

Paint usage, amount of recoating, industrial waste

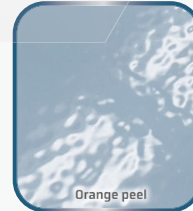


Good Finishing

2

Good finishing

We developed "Dual electric field"



Previous model



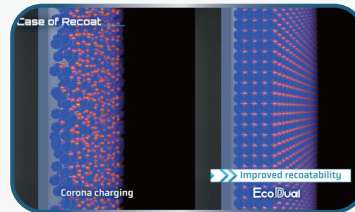
EcoDual

Recoating

3

Smoothy recoating

Orange peel is less than normal equipment



Previous model

EcoDual

Inner coating

4

Thin part coating

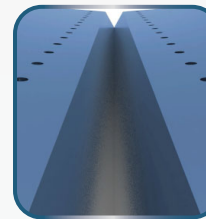
Gun top shape is 20% less



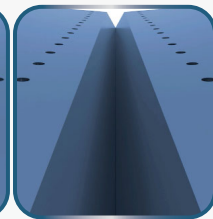
Before



After



Before



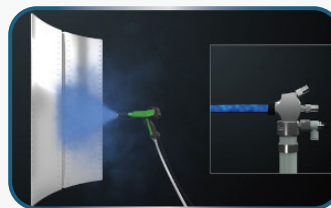
After

The newest injector

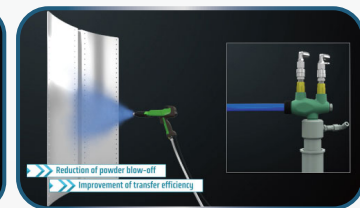
5

Reduce paint mist

Coating with low pressure air



Before



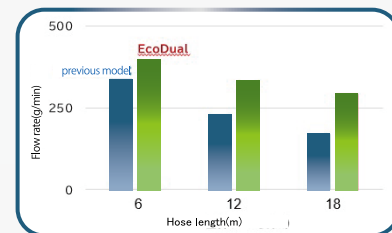
After

Coating time

6

Maximum paint of discharge

350g/min. It reduces your coating time



Changeable pattern

7

New type changeable nozzle

3 pattern changeable by 1 attachment



130mm

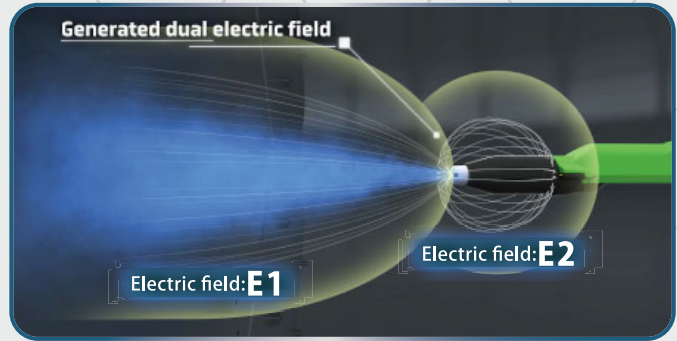


200mm

What is a dual electric field?

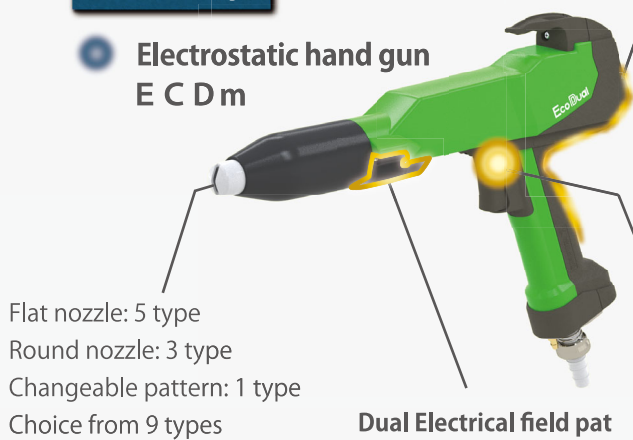
E1=electrostatic effect
E2=reduce orange peel

This is a new charging system that enables both electrostatic effect and coating finish quality.



Usability

Electrostatic hand gun E C D m



Flat nozzle: 5 type
Round nozzle: 3 type
Changeable pattern: 1 type
Choice from 9 types

Dual Electrical field pat
Removing free ionization to achieve High Transfer efficiency & finishing quality

Improved maintenance

Newly designed internal structure improves maintainability



Improved operability
Comfortable grip

Electrostatic controller BPS900m



EcoDual controller uses pictograms
Very easy to understand

Unit variation

Please choice type you need

ST

Hopper and agitator type 35L

Effective quantity 15kg
Stable paint discharge even for paint with poor fluidity.



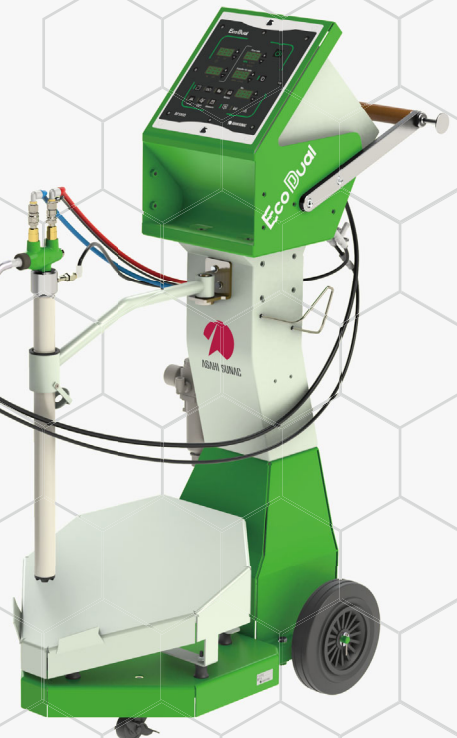
DF



Box fluidizing type

Powder carton 15kg
1 carton

The most versatile type
due to easy color change.



FB

Tank fluidized flow type 65L

Effective quantity 15kg
Suitable for users without color change.



Specification



2 guns type

Model <2 guns Type>	AXR II -100DF <AXR II -200DF>	AXR II -100ST <AXR II -200ST>	AXR II -100FB <AXR II -200FB>
Number	46153 <46156>	46154 <46157>	46155 <46158>
Hand gun model	ECDm		
Charging method	Dual electric field method		
Maximum applied voltage	-80kV		
Amount of paint discharge (1 gun)	50 ~ 350g / min (Depend on powder, hose length and others)		
Hand gun weight	570g (without cable)		
Electric controller model	BPS900m		
Input power source (JAPAN)	AC100V (50 / 60Hz)		
Current consumption	0.7A <1.2A>	1.0A <1.5A>	0.5A <1.0A>
Maximum air consumption	1 gun 270L/min(ANR) <540 L /min(ANR)>		
Air connection diameter	Φ10mm		
Input air pressure	0.5 ~ 0.6MPa Recommend pressure is 0.5MPa		
Powder capacity	Box fludized flow 15kg 1 carton	Hopper and Agitator flow Effective quantity 15kg	Tank fludized flow Effective quantity 15kg
Unit size (W×D×H)	450×855×1135mm <602×855×1135mm>	450×1171×1137mm <602×1171×1137mm>	510×839×1135mm <602×839×1135mm>
Unit wight	43kg <53kg>	63kg <73kg>	53kg <63kg>

Nozzle variation Flat and Round

Flat nozzle

Effective pattern
(Gun distance 200mm)

Type	SN	N	W	SW	SSW
Number	15E3-1	15E2-1	15E4-1	15E1-1	15E5-1
Appearance					
Pattern					
Effective pattern	130mm	170mm	200mm	230mm	250mm

Pattern cap Use with 15E4-1

Number	15E4-1 + 15E6	
Appearance		
Pattern		
Effective pattern	Changeable 130,170,200mm	

Round nozzle With 3 type nozzles [15E7-1] order

Type	Φ16	Φ24	Φ32
Number	15E7-1		
Appearance			
Pattern			

⚠ Cautions for Safety For correct and safe use of the equipment, please refer to Operation manual provided for it.

*Appearances and specifications of the equipment shown on this booklet are subject to be changed for the purpose of its improvement, without pre-announcement.



ASAHI SUNAC CORPORATION

Head Office & Factory
5050 Asahimae-cho
Owariasahi, Aichi Pref., 488-8688 Japan
Tel: +81-561-52-0717
Fax: +81-561-54-8847
<https://www.sunac.co.jp>
E-mail: ctrd01@sunac.co.jp

