

Dual electric field powder coating auto gun

Eco Dual

ECDa



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.

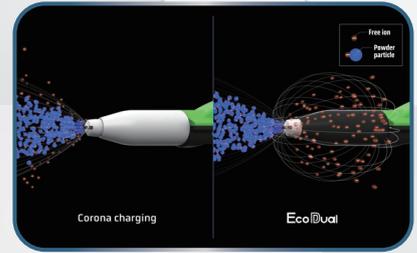
We contribute your coating

Reduce

1

Reduce amount of paint usage

Paint usage, amount of recoating, industrial waste



Corona charging

EcoDual

Good Finishing

2

Good finishing

We developed "Dual electric field"



Orange peel



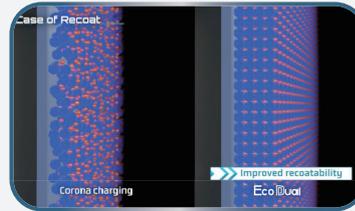
EcoDual

Recoating

3

Smoothy recoating

Orange peel is less than normal equipment



Corona charging

Improved recoatability

EcoDual



Previous model

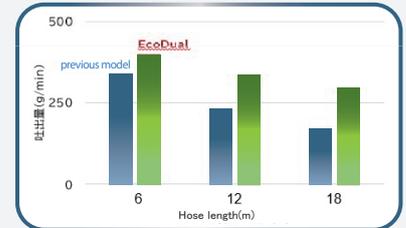
EcoDual

Coating time

4

Maximum paint of discharge

350g/min. It reduces your coating time



Changeable pattern

5

Demand of change spray pattern

The demand for changing the spray pattern can be met with a variety of nozzles



130mm



200mm

Cleaning time

6

Reduce cleaning time

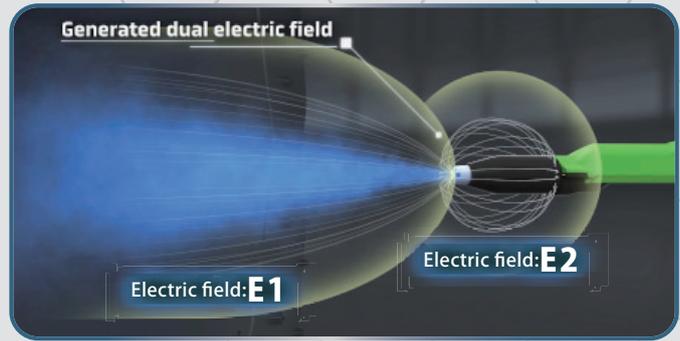
Gumbody's seamless factory has reduced cleaning time



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 auto gun ECDA

Barrel
Insulates and protects the high-voltage applied sections inside Cascade and GUN bodies



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

Electrostatic controller BPS900a



EcoDual controller uses pictograms
Very easy to understand

Image of gun with reciprocator

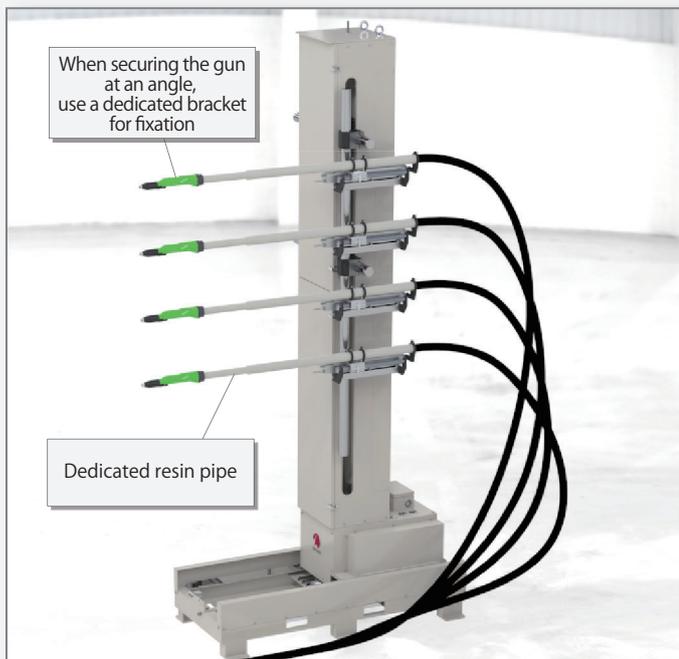
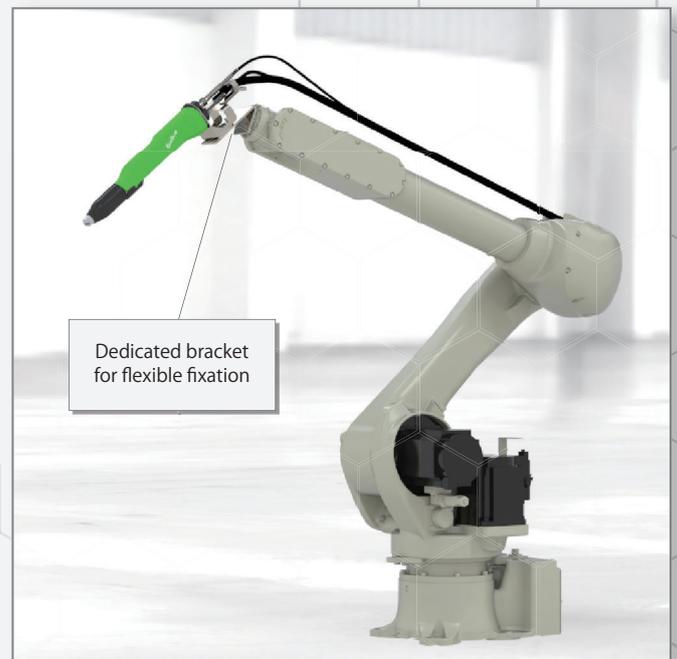


Image of gun with robot



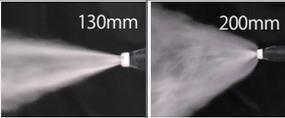
Specification

| | |
|---------------------------|--|
| Series name | EcoDual |
| Name | Dual electric field powder coating auto gun |
| Number | 8312-1 |
| Auto gun model | ECDa |
| Applicable paint | Powder paint |
| Paint spray amount | Standard usage range : 50 to 350g/min ※It varies according to the injector, paint, or hose used for the work. |
| Max. applied voltage | DC-80kV |
| Max. electric current | 80μA |
| Service environment | Temperature : 5 to 40°C Humidity : 40 to 80% |
| Auto gun weight | 496g (except for nozzle, muzzle, and gun cable) |
| Electric controller model | BPS900a |
| Connection cable length | 10m (up to 30 m with extension cable) |
| Dimensions (L × W × H) | 386 × 66 × 69mm |

Nozzle variation Flat and Round

Pattern cap

※Use with 15E4-1

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

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 |

Long muzzle flat ※Nozzle is excluded Select from Flat and Round nozzle

| Type (length) | 150 | 300 | 500 | 700 | 1000 |
|---------------|--|--------|--------|--------|---------|
| Number | 1608-1 | 1608-3 | 1608-5 | 1608-7 | 1608-10 |
| Appearance |  | | | | |

Round

| Type (length) | 150 | 300 | 500 | 700 | 1000 |
|---------------|--|--------|--------|--------|---------|
| Number | 1609-1 | 1609-3 | 1609-5 | 1609-7 | 1609-10 |
| Appearance |  | | | | |

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

| Type | Φ16 | Φ24 | Φ32 |
|------------|---|---|---|
| Number | 15E7-1 | | |
| Appearance |  |  |  |
| Pattern |  |  |  |

Angle muzzle

| Type | 45° | 90° |
|------------|---|---|
| Number | 1610 | 1611 |
| Appearance |  |  |

⚠ 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

