

AIR ELECTROSTATIC HAND GUN

# HB SERIES

**HB-X3 • HB5000 • HB6000**


The world's  
lightest weight  
(Solvent type)

**HB5000S**  
(Patent pending)



The world's  
lightest weight  
(Water-borne type)

**HB6000**  
(Patent pending)



The world's  
smallest design  
(Solvent type)

**HB-X3S**  
(Patent pending)

Our low-voltage,  
high-efficiency technology  
has reduced splashes  
of paint mist.



II 2G



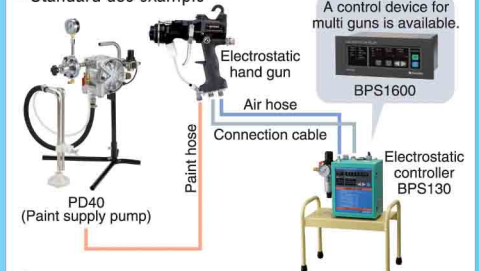
\*HB-X3 is not approved

**Transfer  
efficiency**
**Film coating  
quality**
**Safety**
**Comfortable  
operation**
**Furthermore,  
HB series were  
improved!**

Model	HB-X3S/M	HB5000S/M/W	HB6000
Charging system	Low-voltage, high efficiency direct charging earth ring system	Direct charging system	Indirect charging system
Applied voltage	Max DC-30kV	Max DC-60kV	Max DC-30kV
Overall length (includes nozzle and air cap)	180mm	212mm	200mm
Weight (includes nozzle and air cap)	560g	540g	520g
Associated air cap	HN400 (Small pattern)	HN600 (Medium pattern)	HN800 (Large pattern)
Paint nozzle diameter	φ 1.1mm		
Associated controller	BPS130 : single gun controller    BSP1600 : multi gun controller up to 5-20 guns		
Adaptation paint	Solvent (Solid metallic)		water-borne (Solid metallic)

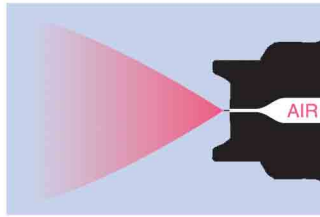
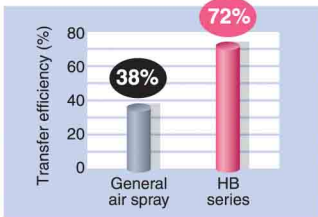
\*Water-borne paint can be used in HB500W by isolating a paint supply system.

## • Standard use example



\*Up to 20 guns can be controlled with a single BPS1600. However, plural guns can not be charged at the same time.

### High transfer coating, high quality achieved !



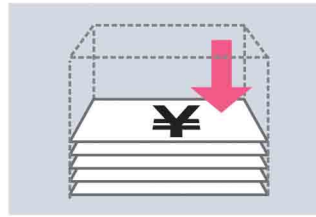
#### Reduction for paint consumption

It is approximately 40% of paint consumption by a comparison with general air spray gun, also approximately 20% of paint consumption reduction is possible by a comparison with our conventional equipment. \*It depends on a paint condition.

#### High atomization performance

The pressure loss inside of gun can be decreased by enlarging an air path as much as possible, and even low-pressure air can facilitate the high atomization painting.

### Contributing to cost reduction !

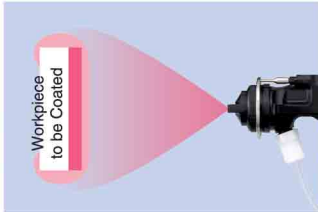


#### Cost reduction

By high transfer efficiency and excellent throwing power for superior penetration, it contributes to reduction of the paint consumption and reduction of waste such as the sludge.

#### Defective reduction

It contributes to reduction of the poor paint which cause dirt to gun and air cap and improving first run rate by adoption of the special plastic.

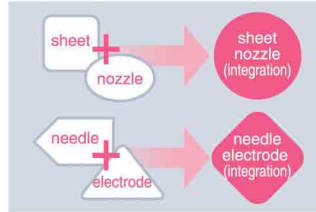


#### High-grade film coating quality

By the combination of newly developed air cap and nozzle, high-grade film coating quality is provided. It is steady and superior in atomization.

#### Three types of air caps

Conforming with a shape of workpiece to be coated or demanding for film coating quality, we prepared three size pattern of air caps such as large, medium, small.



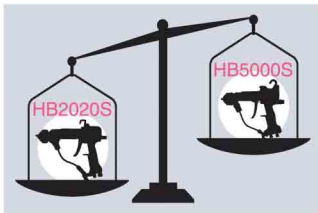
#### Runing cost reduction

We reviewed function parts from the beginning and gathered them. The durability of consumption parts largely improved in comparison with a conventional equal parts.

#### Initial cost reduction

Customers who already use our electrostatic controller (BPS115, 120), can use it by the purchase of the connection cable separately.

### Superior body design !



#### The world's lightest weight

HB5000S achieved world lightest 540g by having been particular about lightweight completely one by one for parts.  
\*Our research (01/06/2012 present)



#### The world's smallest design

HB-X3 achieves world's smallest 180mm in total length by the synergy with the adoption of the grounding ring system and the thorough small design.  
\*Our research (01/06/2012 present)

### Pursuit of the comfortable function !



#### Improved safety

Even during paint working, it is easily to confirm electrostatic applied voltage condition by having HV indicator built-in inside of a gun body.



#### Easy color change

Time for prepared color change can be shortened by adoption of tinning nut which it is easy to put on and take off from a gun.



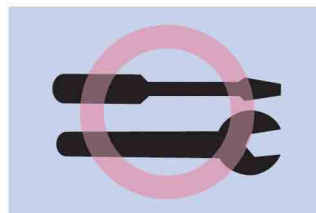
#### Superior weight balance

It provides superior to characteristics balance by having set a center of gravity on a gun grip, and ensured the long-time work tirelessly.



#### Functional grip shape

By a grip and a trigger-shape based on ergonomics, they ensured characteristics for holding and comfortable work.



#### High characteristics maintenance

By assembling of the main parts, it is available to gather parts for products and also parts are changed easily by general tools.



#### Abundant variation

To be confirmed with a purpose and paint to use, we prepared for 3 types and 6 variations to be able to perform the most suitable painting.



### 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.



ISO9001  
JQA-2095



ISO14001  
JQA-EM2121



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