

MICRO COAT NON-ELECTROSTATIC AIR SPRAY HAND GUN

HAND PEARL GUN MGB50

Satisfying both high transfer efficiency and excellent operatability!

Best suited to thin-film coating such as metallic and Pearl-mica coating!

FEATURES

High transfer efficiency

By the combination of the newly developed air cap and nozzle, high transfer efficiency can be gained and contribute to paint cost reduction.

High-grade film coating quality

We adopted a newly designed nozzle coaxial structure and achieved film coating quality excellent in evenness and atomization.

Defective reduction

This gun make equal particle size of paint. Reduce reject rate and conducive to increase first run rate.

Excellent operatability

It provides thorough weight saving and barycenter balance and ensures the long-time work tirelessly. Furthermore, the functional grip shape has ensured holding characteristics and comfortable workability.

High maintainability

Assembling the main parts allows you to reduce parts for products and also easily replace parts only with general tools.



HAND PEARL GUN
MGB50



APPLICATIONS

- Vehicles** : Automobile bodies, interior and exterior parts, plastic molded parts etc.
- Electric appliances** : Distribution boards, control boards, air conditioning equipment, OA equipment, home electric appliances etc.
- Construction materials** : Board, steel furniture, sashes, fences, office equipment etc.
- Machinery** : Construction machinery, machine tools, industrial machinery
- Others** : Metallic products, plated products, wooden products, etc.

SPECIFICATION

Model	MGB50
Nozzle diameter	φ 1.1
Max. fluid pressure	0.6MPa
Max. air pressure	0.6MPa
Usage environment	Temperature: 5-40°C Humidity: 40-80%
Weight	422g (includes air cap)
Dimensions	W62×H231×L180mm

Filter (Option)

If equipped with the gun*, it eliminates foreign particle in spray material to reduce rejects out of coating shop.

* To incorporate the filter, a special hose joint is necessary.

EXPECTED EFFECTS

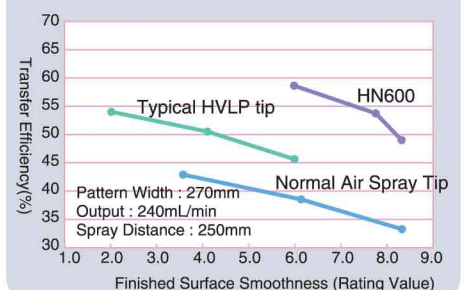
Paint consumption



Cost for purchasing paint



Comparison between transfer efficiency and finish smoothness

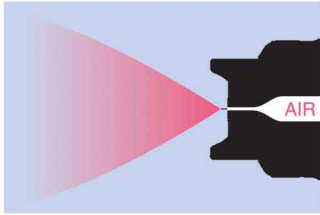


* Coating material cost : 180 USD/can
Amount used : Converted in 70 cans/month

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High transfer efficiency, high quality achieved !

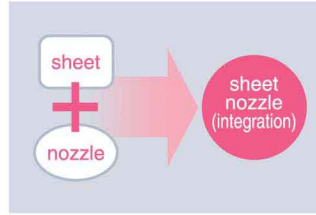


High atomization performance
The pressure loss inside of gun can be decreased by enlarging an air path as much as possible, and even low-pressure air can facilitate the high atomization painting.



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.

Contributing to cost reduction !



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

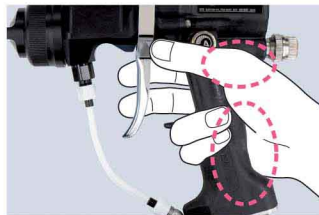


Defective reduction
This gun make equal particle size of paint. Reduce reject rate and conducive to increase first run rate.

Superior body design !

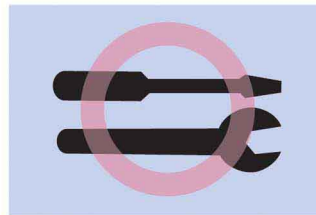


Superior weight balance
It provides superior to characteristics balance by having set a center of gravity on a gun grip, and ensured the long-time work tirelessly.



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

Pursuit of the comfortable function !



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



Easy cleaning
Adoption of an easily detachable retaining nut ensures easy cleaning.

AIR CAP SELECTION TABLE

Model	HN400	HN600	HN800
Part No.	15F8-001	15F8-101	15F8-201
Spray amount range of the coating material (mL/min)	50~150	130~300	200~400
Pattern width (mm) *	50~150	120~300	200~400
Finish surface	○	○	◎
Transfer efficiency	◎	○	○
Spray amount	Small	○	○
	Large	×	○

* The pattern width indicates the value in 250 mm spray distance.

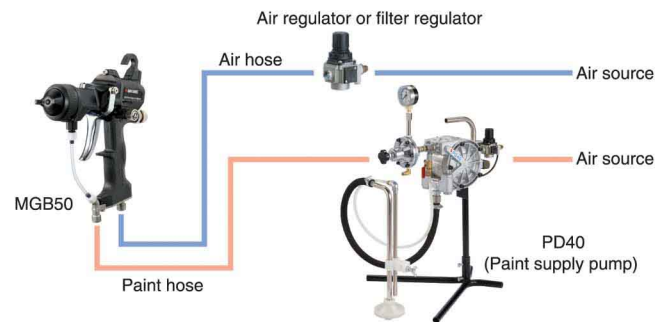
EXAMPLE OF USE

Components	Model	Part No.	Comments
Hand gun	MGB50	12A8	
Paint supply pump	PD40	40362	
Paint hose		3462	Length : 10m
Air hose	AH22-10	3403-2	Length : 10m
Air cap	Refer to the table shown above.	Refer to the table shown above.	

ACCESSORIES

Filter type	Screen size	Part No.	Application
Standard	#80 (180μ)	0422-002	Metallic, Mica paint
White	#150 (100μ)	148A-1	Metallic, Primer paint
Black	#300 (50μ)	148A-2	Clear, Solid paint
Yellow	#550 (25μ)	148A-3	Clear, Solid paint

* Black, white and yellow filters are only available by sets (1set=10 filters)



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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