

DeVilbiss

By Binks

Introduction of new products

LUNA III — G

LUNA III — P



LUNA III

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We refined the current LUNA II series with our proprietary magnesium gun body technology and upgraded to **LUNA III series**. Evolved functions from LUNA II series lead to further improvement in the usability of LUNA III series



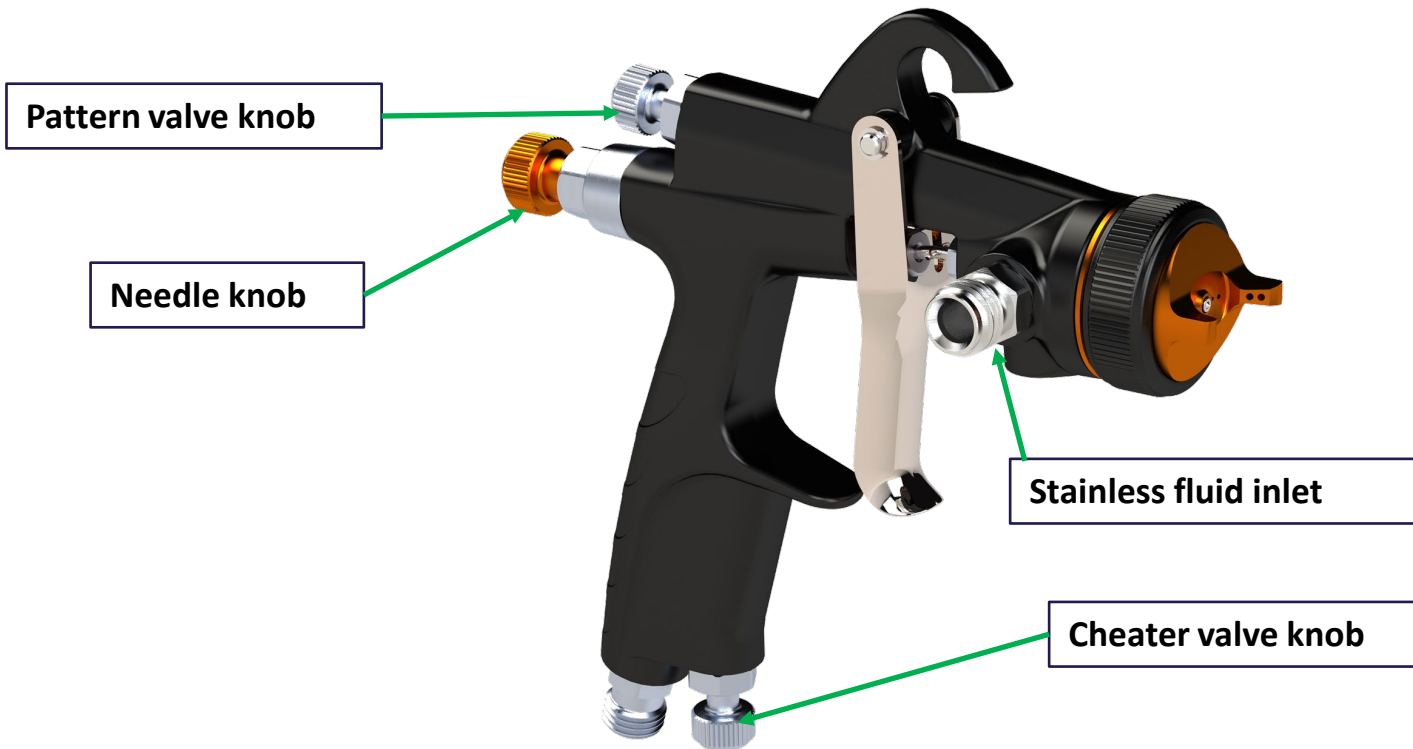
LUNA II —G



LUNA III —G

Approachable design

- While retaining the image of LUNA II, the simple surface composition gives a smart impression. The shape of a grip was renewed to the one focused on handling functions.



Improved operability and durability

○ Needle knob

To change the knob size to larger and to change its shape to the one easy to grab made a knob easy to fine tune. Also, the durability and easiness to remove were improved by increasing both diameter and length of a screw.

○ Cheater Valve and Pattern Valve

The durability and easiness to fine tune were improved by changing both shape and internal structure of a knob.

○ Fluid inlet

The material for all models has been changed to stainless steel. Both durability and compatibility with waterborne paints (Gun weight increased by 3g) were better than the ones of LUNA II series (Gravity feed).

LUNA II series (Pressure) has already adopted the stainless steel.

[Gravity Type]

Simple product line-up

We have sorted out our gravity model product range with a focus on Auto Refinish users. The combination options have been simplified, making it easier to select the right product for user's needs. LUNA II series specifications are also selectable from new series.



LUNA3 Fine Flat



LUNA3 Middle Flat



LUNA3 Arch

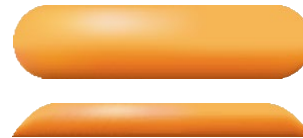
- Optimized and stable particle size, with a wide and flat thin-film pattern, supports high-precision coating.
- In metallic, pearl, and color clear coatings, the thin and smooth film minimizes unevenness to the greatest extent.
- In color clear coatings, thin film application reduces color tone variation.
- In clear coatings, stable particle size enables finishes ranging from OEM-like to mirror gloss
- In solid coatings, a wide pattern allows for efficient application.

Thin, Wide, Flat Pattern



- Stable particles & flat pattern for versatile applications
- Suppresses mottling for uniform and stable coating in metallic/pearl coatings
- Strong hiding power for efficient solid coating.
- Enables finishes ranging from factory-like to mirror gloss in clear/color clear coatings

Standard, Flat Pattern



- Stable particles and center-thick arch patterns for thick film coating.
- In primer surfacer coating, stable particle size and thick film help improve surface smoothness.
- In solid coatings, thick film application enables efficient coating.
- In clear coating, the stable particle size and thick film make it easy to create a mirror-like finish.

Thick, Arched Pattern



【Gravity Type】

Simple product line-up

3 Air caps / 6 Models

Gravity Feed	Air Cap	Pattern shape	Bore size (mm)	Paintfeed
LUNA3-F54 -13G	F54	Fine Flat	1.3	Gravity Feed
-15G			1.5	
LUNA3-M44 -13G	M44	Middle Flat	1.3	
-15G			1.5	
LUNA3-A45 -15G	A45	Arch	1.5	
-18G			1.8	

※ LUNA II

5 Air caps/ 8 Models

Paint Correspondence Table

Model	Air Cap	Tip Size (mm)	Atomization Type	Supply	Paint	Air Pressure (MPa)	Air Consumption (L/min)	Flow Rate (ml/min)	Pattern Range (mm)	Weight (g)	Air Inlet	Fluid Inlet	Required Compressor (kW)
LUNA3-F	F54	1.3	LVMP	G (Gravity Type)	Metallic	0.15	230	164	280	268	G1/4	G1/4	2.2
		1.5						184	300				
		1.3			Clear			147	240				
		1.5						158	260				
LUNA3-M	M44	1.3			Metallic			161	230				
		1.5						186	270				
		1.3			Clear			147	210				
		1.5						160	220				
LUNA3-A	A45	1.5	Primer Surfacer	146	230								
		1.8		170	250								
		1.5	Clear	170	200								
		1.8		200	240								

※ Metallic ...Viscosity 13 sec / Pattern knob fully open

※ Clear...Viscosity 14 sec / Pattern knob fully open

※ Primer surfacer...Viscosity 12 sec / Pattern knob fully open

* LUNA III series use the standardized needle for all three tip sizes such as 1.3, 1.5 and 1.8. The maintenance of spare parts becomes much easier than LUNA II series because specific needles were used for each tip size

【Gravity Type】

Easier to use spray function

To apply the tuning according to revised air balance to the air cap leads to improvements in the stability of a film thickness and the uniformity of particles with wider spray pressure and fluid flow rate range.

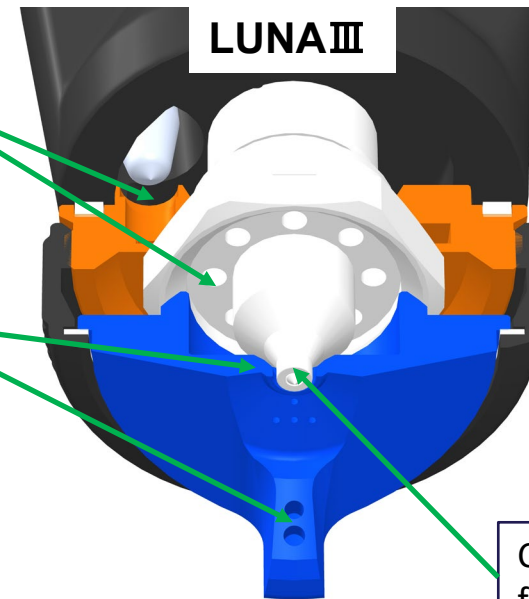
Changed shapes of both fluid tip and needle made a fluid flow rate easy to fine tune.

Revised air balance led to the increase in the linearity of a pattern tuning.



Adjust air paths on an atomization side and a pattern side to optimize the balance

Tune the air cap according to changed air balance



Change shapes of both fluid tip and needle

【Pressure Type】

Easy model shift

There is no significant change in both product range as well as coating performances in comparison with LUNA II Series, so that it is easy to shift from LUNA II series to LUNA III series.

LUNA III series use the standardized needle for all three tip sizes such as 0.8, 1.1 and 1.4. The maintenance of spare parts becomes much easier than LUNA II series which used two specific needles.

Spray pattern image
Flat



3 Air cap / 9 Models Continuous use from LUNA II

Pressure Feed Type	Air Cap	Pattern Shape	Tip Size (mm)	Paint Supply
LUNA3-PL1-08P	PL1	Flat	0.8	Pressure Type
- 11P			1.1	
- 14P			1.4	
LUNA3-PL2-08P	PL2		0.8	
- 11P			1.1	
- 14P			1.4	
LUNA3-PL3-08P	PL3		0.8	
- 11P			1.1	
- 14P			1.4	

Model	Air Cap	Tip Size (mm)	Atomization Type	Supply	Air Pressure (MPa)	Air Consumption (L/min)	Flow Rate (ml/min)	Pattern Range (mm)	Weight (g)	Air Inlet	Fluid Inlet	Required Compressor (kW)	Application
LUNA3-P	PL1	0.8	LVMP	P (Pressure feed type)	0.15	233	100	170	268	G1/4	G1/4	2.2	Wood working Plastic Metal
		1.1			200								
		1.4			230								
	PL2	0.8			0.15	233	100	220					
		1.1			0.2	275	150	260					
		1.4			0.2	275	150	280					
	PL3	0.8	Standard Pressure		0.15	198	100	150					
					1.1	200							
					1.4	0.2	225	150					

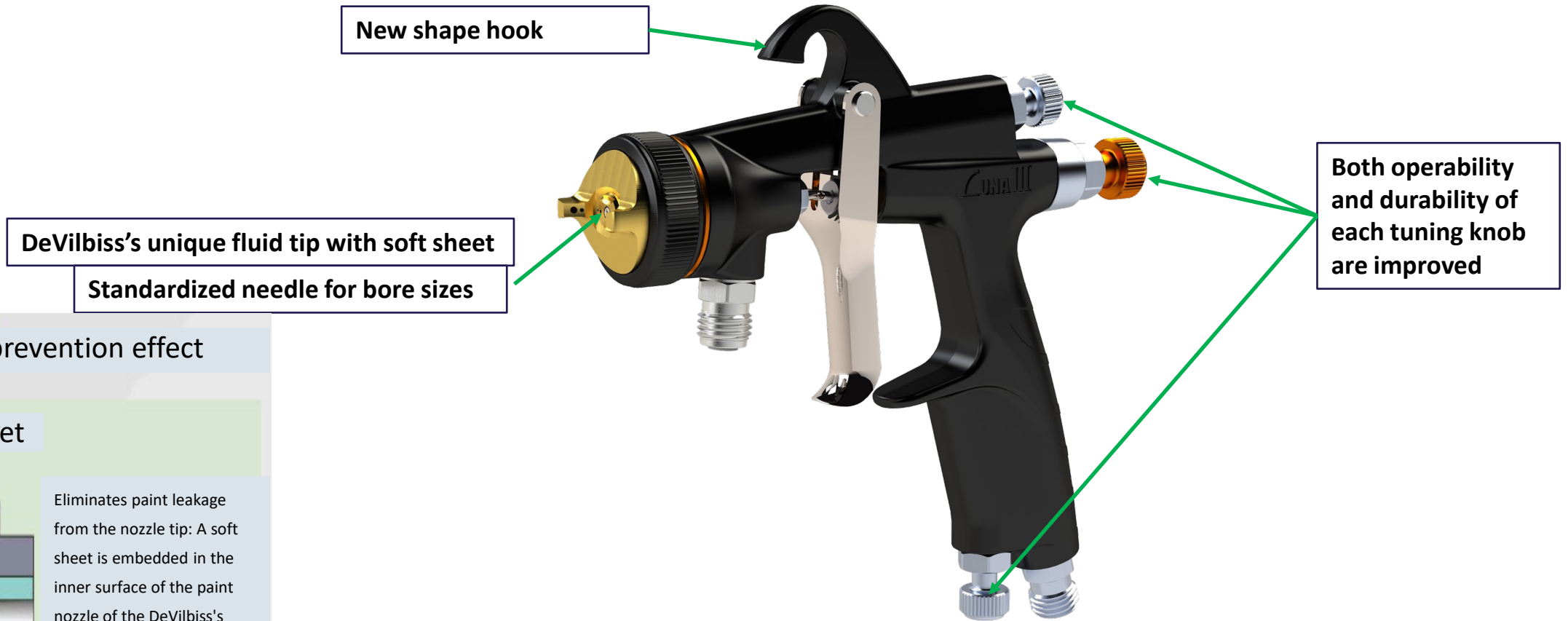
【Pressure Type】

Improved operability and durability

DeVilbiss's unique fluid tip with soft sheet to reduce paint leakages at the tip, which is one of specific characteristics of pressure feed guns, is used continuously.

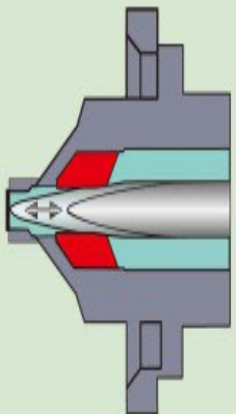
Other parts are the same as the ones of gravity feed. Both operability and durability are better than the ones of LUNA II Series.

The shape of a hook was changed to the one that is easy to remove but not be detached accidentally.



Paint leak prevention effect

Soft-sheet



Eliminates paint leakage from the nozzle tip: A soft sheet is embedded in the inner surface of the paint nozzle of the DeVilbiss's spray gun to eliminate paint leakage from the needle.

- Soft-sheet
- Paint
- Needle

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