

AIRLESS



COSMETIC PACKAGING INNOVATIONS

CREATING & DESIGNING COSMETIC PACKAGING SOLUTIONS SINCE 1975

CERTIFICATIONS

Lumson Headquarters and both its manufacturing sites in Capergnanica (CR) and in S. Maria di Sala (VE) are certified UNI EN ISO 9001:2008.

Lumson Headquarters and the manufacturing site in Capergnanica (CR) is certified UNI EN ISO 14001.



RESEARCH & DEVELOPMENT

Lumson Design Team

creates new packaging collections according to the latest Design and Fashion trends or to the rising market needs.

Lumson Technical Dept.

develops the ideas using the latest technologies and a high level of innovation.

Lumson Validation Dept.

checks, tests and validates every single item, to ensure they are made and manufactured according to Lumson's standards.

MANUFACTURING

Lumson uses the latest technologies and advanced machinery to ensure a perfect manufacturing process.

MANUFACTURING LINES (IN HOUSE)

Injection Moulding, Blow Moulding, Injection/ Blow Moulding, Assembling, Dispensing Systems and Pumps, Spray Coloring, Screen Printing on Glass, Hot Stamping on Glass, Screen Printing on Plastic, Hot Stamping on Plastic, Tampo Printing.

QUALITY CONTROL

All production processes are continuously monitored by Lumson QC Dept. to verify they meet Lumson's quality standards.

BOTTLES & JARS

Airless with Glass Bottles, Airless with Plastic Bottles, Plastic Bottles, Glass Bottles, Glass Jars.

DISPENSING SYSTEMS

Airless Systems, Cosmetic Pumps, Cosmetic Dispensers, Droppers, Dispensing Caps, Flip tops.

ACCESSORIES

Covers, Overcaps, Screw caps, High Sealing Gaskets, Cosmetic accessories.

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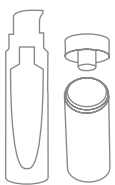


PURE AND SENSITIVE COSMETICS

White formulations, organic ingredients, preservatives reduction: the skincare market demands are following consumers needs. Consumers are looking for natural creams, effective ingredients and protection for their cosmeceutical formulation. Skincare facial related products have all been impacted by this necessity: serum, moisturizer, anti-aging, eyes and lips treatments have improved their benefits by using high level ingredients and technological formulations, for prestige brands, but also in masstige and mass markets. Fragile formulas are demanding advanced protective packaging: a dispensing system able to protect from oxygen and external contaminations.

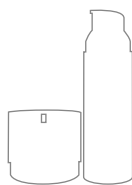
LUMSON ANSWER

Lumson is providing the largest range of airless packaging for protecting your formula: from a simple airless tube to the most elaborated Airless glass container, we offer the most technological, wide and sophisticated range in Airless world.



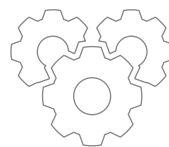
AIRLESS TECHNOLOGY:

Lumson has developed and is proposing 2 technologies: a pouch system and a piston system, both including airless pumps



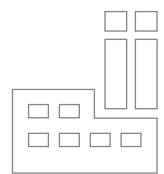
MATERIALS & SHAPE AVAILABILITY:

we offer a variety of solutions, in glass and plastic containers, bottle, tube and jar shapes, with sizes from 7,5 to 50ml



CUSTOMIZATION:

our R&D team develops and adapts our technology to your specific needs, for your differentiation in bottle shape or airless pump



PRODUCTION:

our two production sites, located in North Italy, are producing more than 10 million Airless packages per year

KEY BENEFITS

PRODUCT LINE	FORMULATION
<ul style="list-style-type: none"> • Choice in terms of sizes: we propose 13 ranges of Airless, composed by 32 airless references from 7,5 to 50ml • Differentiation in terms of materials: our airless packagings are available in PP / PE / PE Green / PE Soft Touch / PETG / Clear Glass / Frosted Glass • Functionality and Performance: our Airless offers high restitution rate, accurate dosage, easy priming and weight loss control • Lumson products answer to the REACH regulation • Container enhancement: we adapt our airless to your choice, from standard coloration of plastic components to the most luxury glass, thanks to an inner lacquering giving a unique effect to your brand • Recyclability: our pack can be disassembled, glass and plastic containers can be separated after use, for a correct recyclable stream 	<ul style="list-style-type: none"> • Variety of ingredients: by offering a choice in material compounds in the pouch systems, we allow you to use a larger range of ingredients • Less preservatives: you will be able to decrease the level of preservatives • Preservation of cream: our airless pouch systems are available in an extra layer of raw materials such as PA or EVOH that will provide the best protection to your creams • High treatment efficacy, thanks to the protection of the ingredients from oxydation, from pilot to industrial batches • Large range of viscosities: our airless systems can dispense your serum, cream or foundation up to the very viscous formulations • Extended shelf life of the formula
MARKETING	SUPPLY CHAIN
<ul style="list-style-type: none"> • Ergonomic use: your formula will be dispensed by the packaging in any position, reaching any specific area of the skin • Easy dispensing: our pump will dispense immediately the cream with a very smooth action of the actuator, highly requested by end users • Control of the distribution: our pumps offer the dosage regularity that will help consumers to better apply the cream • Minimal waste: our systems have a very high evacuation rate • Added value for your brand: our abilities in decoration such as mass coloring, screen printing, hot stamping, inner laquering, metallization will enhance your brand positioning 	<ul style="list-style-type: none"> • Quality control of our airless: our airless containers and pumps are controlled 100% in airtightness during production • Easy delivery: we deliver in 2 or 3 components to ease your filling lines: the pump and bottle are delivered to your logistic center • Easy filling: our airless components have a large neck diameter to enable a fast and easy filling process. Their external shapes and standard diameters are conformed to your existing equipment • R&D Documentation: all our airless packaging components are delivered with documentation of filling process • Airless Pack: our airless packaging can protect your formula and the integrity of the ingredients when stored

LUMSON: RESPONSABILITY OF ITALIAN MANUFACTURER FOR RECYCLABILITY

4 STEPS TO SEPARATE GLASS FROM PLASTIC



RESPONSIBLE RECYCLING PACKAGING



SEPARATE GLASS FROM PLASTIC

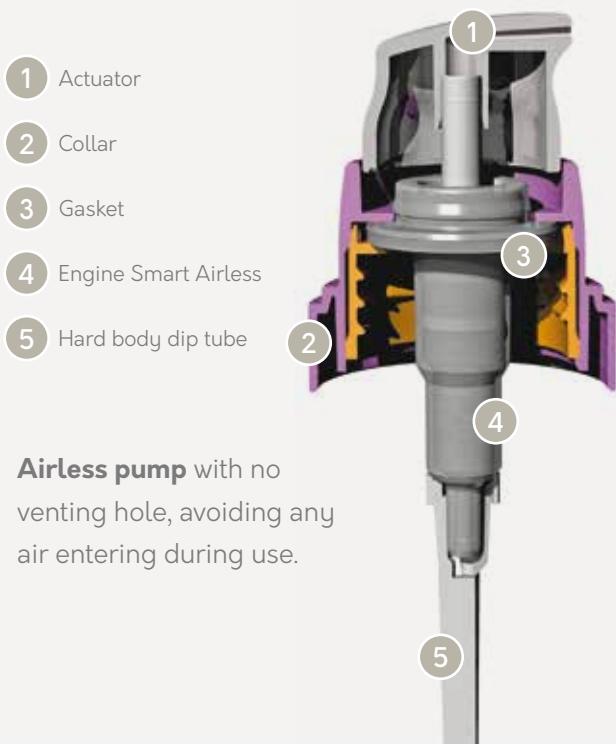
A LOGO TO INFORM CONSUMERS

In order to promote TAG System after recycling features, Lumson has designed, developed, and patented a special logo that can be used by its customers to inform final users about the possibility to separate the glass bottle from plastic components, for a more responsible recycling process.

LUMSON AIRLESS: POUCH SYSTEM FUNCTIONING

THE PERFECT COMBINATION OF AN AIRLESS PUMP
WITH AN AIRLESS POUCH SYSTEM

PUMP AIRLESS SMART 355



Airless pump with no venting hole, avoiding any air entering during use.

BOTTLE TAG 355 DELUXE



Pouch assembled in a glass or plastic container, avoiding any contact with air.



POUCH SYSTEM FUNCTIONING

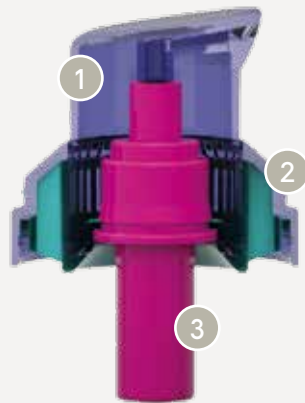
Lumson Airless Pouch Systems combine our Airless Pumps with our Airless Pouch Systems, TAG DeLuxe and various versions of APP. During the use of our Airless Pouch Systems, the amount of product dispensed outside is replaced by a volume reduction inside the container: this depression makes the pouch collapse and allows an immediate distribution of the cream. Your formula is highly protected from oxygen thanks to the materials used in the multilayer pouch, therefore keeping the integrity of your most sensitive ingredients.

LUMSON AIRLESS: PISTON SYSTEM FUNCTIONNING

THE PERFECT COMBINATION OF AN AIRLESS PUMP
WITH AN AIRLESS PISTON SYSTEM

PUMP AIRLESS ONE O ONE

- 1 Actuator
- 2 Collar
- 3 Engine Purity



Easy compatibility
with most formulas due
to metal free path pump.

BOTTLE ONE O ONE

- 1 Collar
- 2 Bottle
- 3 Piston



High restitution
rate till 98.5%.



PISTON SYSTEM FUNCTIONING

Lumson Airless Piston Systems combine our Airless Pumps with our Airless Piston System One O One. Using this system, the amount of product dispensed is replaced by a volume reduction inside the container: this depression enables the piston to slide-up in the container towards the top of the neck bottle. The restitution is optimal and the formula is protected from oxygen throughout its use.

OUR RANGE OF AIRLESS DEVICES

Lumson reply:

Pouch system: inserted in 2 containers and shapes: glass container clear or frosted, plastic containers from PE to PETG - bottles from 15 to 50ml and Jars of 40ml - 50ml



Piston system: plastic version - very performing airless - easy filling - purity airless pump - metal free path - dosage 230µl - soft actuation



MARKET NEEDS:

- PROTECTION OF ACTIVE INGREDIENTS
- HIGH LEVEL OF RESTITUTION
- PRECISE DOSAGE
- NO WASTE

TECHNOLOGY	POUCH SYSTEMS IN GLASS	POUCH SYSTEMS IN PLASTIC	POUCH SYSTEMS IN PLASTIC	PISTON SYSTEMS	PISTON SYSTEMS	VALVE SYSTEMS
RANGE						
SIZES (ml)	15 - 30 - 40 - 50	15 - 30 - 50	40 - 50	15 - 30 - 50	7,5 - 10 - 15	15 - 30 - 50
DOSAGE (µl)	250	250	230	230	230	/
APPLICATION AREA	Facial care	Facial care	Facial care	Facial care	Eye Contour Lip Care	Eye Contour Lip Care
LUMSON ENGINE	Smart	Smart	Purity	Purity	Purity	Valve Closing System

OVERALL OF LUMSON AIRLESS RANGE

RANGE	MATERIALS	SIZE (ml)	AIRLESS SYSTEMS			DOSAGES (ul)		PUMPS		ACTUATORS					TIPS			OVERCAPS				
			POUCH (PE SPECIAL COMPOUND)		PISTON	230	250	SMART	PURITY	PEARL 223	SMILE 223	ONE O ONE	BEC	TENDRIL	R5	R4 LONG	R0 SHORT	AA355	LUXEA ³³⁶	ONE O ONE	BEC/TENDRIL	
			SINGLE LAYER	MULTI LAYER	PE			PP	COPOLYESTER	COPOLYESTER	PP	PP	COPOLYESTER	PP SHINY	SAN SHINY / MATT	SAN SHINY	PP MATT	SMMA SHINY	PP SHINY			
TAG DE LUXE	GLASS	15	●	●		●	●		●	●						●	●					
		30		●		●	●		●	●						●	●					
		40		●		●	●		●	●						●	●					
		50	●	●		●	●		●	●						●	●					
ENVERS	PETG	50		●	●		●					●	●	●								
APP 355	PETG	30		●		●	●		●	●						●	●					
		50		●		●	●		●	●							●	●				
APP 355S	PETG	15		●		●	●		●							●	●					
		30		●		●	●		●							●	●					
		50		●		●	●		●							●	●					
APP 355 START	PE	30	●			●	●			●						●						
		50	●			●	●			●						●						
APP 355 TOUCH	PE SOFT TOUCH	30		●		●	●		●	●						●	●					
		50		●		●	●		●	●						●	●					
APP 355 GREEN	GREEN PE	30	●			●	●		●	●						●						
		50	●			●	●		●	●						●						
APP P-COLORS	PETG	30		●		●	●		●	●						●	●					
		50		●		●	●		●	●						●	●					
ONE O ONE	PP	15			●	●		●			●							●	●			
		30			●	●		●			●							●	●			
		50			●	●		●			●							●	●			
AIRLESS STYLO	PP	7,5			●	●		●				●	●							●		
		10			●	●		●				●	●							●		
		15			●	●		●				●	●							●		
AIRLESS TUBE Φ22 Φ25	PE SINGLE OR MULTI LAYER	15	VALVE AIRLESS SYSTEM													SCREW CAP FOR AIRLESS TUBES IN PP						
		30	VALVE AIRLESS SYSTEM													SCREW CAP FOR AIRLESS TUBES IN PP						
		50	VALVE AIRLESS SYSTEM													SCREW CAP FOR AIRLESS TUBES IN PP						



TAG

THE BEAUTY
OF GLASS
WITH AN
AIRLESS POUCH
DISPENSING
SYSTEM

TECHNO AIRLESS GLASS

TAG System is the ultimate packaging innovation, combining the beauty, preciousness and luxury of a glass bottle with the technical and functional advantages of an airless dispensing system.

Patents: Pouch patented system.

Unique Glass Enhancer:
the inside of the glass bottle can be sprayed creating a unique effect that elevates your brand.



KEY BENEFITS

Elegance and refinement
of the cylindrical shape

High luxury finishing, due to glass
weight and bottle height

Dosage: 250µl

TECHNICAL INFO

TAG DeLuxe

Sizes: 15ml - 30ml - 40ml - 50ml

Materials:

Bottle: Glass

Eco-lock collar: PP

Pouch: PE special compound

15ml - 30ml - 40ml - 50ml: Multilayer

TAG 355 DeLuxe

THE PREMIUM AIRLESS

High barrier protection available

Available with overcap
in SAN or PP

Easy customization
with 2 actuators available



PUMP SMART AIRLESS AA355

Material: PP

Dosage: 250µl

Available Actuators:

Smile 223 in PP

Pearl 223 in Copolyester

OVERCAP AA355

Materials:

SAN (Shiny or Matt Finish)

PP (Shiny Finish)



APP

WHEN
THE
ORDINARY
BECOMES
EXTRA -
ORDINARY

AIRLESS PLASTIC PACKAGING

APP Airless Plastic Packaging is an Airless range entirely designed, developed, manufactured and decorated in Italy by Lumson.

The system utilizes the highly reliable “Airless Pouch Technology” already spread on the market, with a “Bright and Thick” cylindrical plastic bottle.

APP System is now available in 7 different designs and a large variety of materials.



KEY BENEFITS

New revolutionary design
between jar and bottle

Ergonomic dispensing
in any position, easy functioning
with one hand: simply push
on the pump body

TECHNICAL INFO

Envers 653

Sizes: 40ml - 50ml

Materials:
Bottle: PETG
Overshell actuator: PETG
Pouch: Multilayer
Dosage: 230µl

Envers 653

PLAYING IN AIRLESS SHAPE

Dosage: 230µl

Easy closure: lockable actuator
with on/off position

Compatible: formula is not in contact
with any metal part of the pump

Available with
three different tips:
R0 short - R4 long - R5



KEY BENEFITS

Aesthetics of bottle
and actuator' shape

Dosage: 250µl

TECHNICAL INFO

APP 355S

Sizes: 15ml - 30ml - 50ml

Materials:

Bottle: PETG

Eco-lock collar: PP

Pouch: Multilayer

APP 355S

FINESS IN AIRLESS

Available with overcap
in SAN or PP

PUMP SMART AIRLESS AA355S

Material: PETG

Dosage: 250µl

Available Actuator:

Pearl 223 in Copolyester

OVERCAP AA355

Materials:

SAN (Shiny or Matt Finish)

PP (Shiny Finish)



KEY BENEFITS

Large choice in terms of accessories
and personalization

Easy customization with
2 actuators available

TECHNICAL INFO

APP 355

Sizes: 30ml - 50ml

Materials:

Bottle: PETG

Eco-lock collar: PP

Pouch: 30ml - 50ml: Multilayer

50ml: Single layer

APP 355

CREATIVITY IN AIRLESS

Dosage: 250µl

Available with overcap
in SAN or PP



PUMP SMART AIRLESS AA355

Material: PP

Dosage: 250µl

Available Actuators:

Smile 223 in PP

Pearl 223 in Copolyester

OVERCAP AA355

Materials:

SAN (Shiny or Matt Finish)

PP (Shiny Finish)



KEY BENEFITS

Large choice in terms of accessories
and personalization

Easy customization with
2 actuators available

TECHNICAL INFO

APP 355 P-Colors

Sizes: 30ml - 50ml

Materials:

Bottle: PETG

Eco-lock collar: PP

Pouch: Multilayer

APP 355 P-Colors

CREATIVITY IN AIRLESS

Dosage: 250µl

Available with overcap
in SAN or PP

PUMP SMART AIRLESS AA355

Material: PP

Dosage: 250µl

Available Actuators:

Smile 223 in PP

Pearl 223 in Copolyester

OVERCAP AA355

Materials:

SAN (Shiny or Matt Finish)

PP (Shiny Finish)



KEY BENEFITS

Compact shape for
a minimalist range

Simplicity of the
PE material

TECHNICAL INFO

APP 355 Start

Sizes: 15ml - 30ml - 50ml

Materials:

Bottle: PE

Pouch: Single or Multilayer

APP 355 Start

LIGHTNESS IN AIRLESS

Dosage: 250 μ l

Optimal costs-saving solution

PUMP SMART AIRLESS AA355

Material: PP

Dosage: 250 μ l

Available Actuators:

Smile 223 in PP

Pearl 223 in Copolyester

OVERCAP AA355

Materials:

SAN (Shiny or Matt Finish)

PP (Shiny Finish)



KEY BENEFITS

Customization of your brand
thanks to a soft sensation

Soft Touch effect

TECHNICAL INFO

APP 355 Touch

Sizes: 15ml - 30ml - 50ml

Materials:

Bottle: PE Soft Touch

Pouch: Single or Multilayer

APP 355 Touch

SENSATION IN AIRLESS

Different options
for the pouch

Dosage: 250µl

PUMP SMART AIRLESS AA355

Material: PP

Dosage: 250µl

Available Actuators:

Smile 223 in PP

Pearl 223 in Copolyester

OVERCAP AA355

Materials:

SAN (Shiny or Matt Finish)

PP (Shiny Finish)



KEY BENEFITS

Green PE composed
of biopolymere

Eco-friendly positioning for your brand,
thanks to reduction of gas emission
in producing this packaging

TECHNICAL INFO

APP 355

Sizes: 30ml - 50ml

Materials:
Bottle: PE Green
Eco-lock collar: PP
Pouch: Single or Multilayer

APP 355 Green

ENVIRONMENTAL AIRLESS

Recyclability of the pack

Dosage: 250µl

Ecocert conformity



PUMP SMART AIRLESS AA355

Material: PP
Dosage: 250µl
Available Actuators:
Smile 223 in PP
Pearl 223 in Copolyester

OVERCAP AA355

Materials:
SAN (Shiny or Matt Finish)
PP (Shiny Finish)



PISTON & VALVE

NEW GENERATION IN AIRLESS

AIRLESS SYSTEM

A new generation of formulas is spreading on the cosmetic market: new active ingredients, new compounded formulas with reduced preservatives to increase purity.

One O One, Lumson's new Airless Piston System, is the answer: conceived by our R&D and Quality teams. This new airless range integrates the very latest innovations and performances expected by the cosmetic market: high compatibility of raw material used, engine of the pump with high vacuum performance, precise dosage, no air contamination, excellent restitution rate.



KEY BENEFITS

Neutrality of the pump Purity thanks to its metal free path

Very soft actuation during distribution

TECHNICAL INFO

One O One

Sizes: 15ml - 30ml - 50ml

Materials:

Bottle: PP (available in Shiny or Matt Finish)

Piston: PE

ONE O ONE

NEW GENERATION IN AIRLESS

Dosage: 230µl

Very high level of evacuation of the formula

Ergonomical shape of actuator

PUMP AIRLESS PURITY ONE O ONE

(Using Lumson Purity patented engine)

NO METAL COMPONENTS IN TOUCH

WITH THE FORMULA

Material: PP

Dosage: 230µl

OVERCAP ONE O ONE

Materials:

SMMA (Shiny Finish)

PP (Matt Finish)





KEY BENEFITS

Airless piston technology
for local treatments

Ergonomic piston systems
ideal for travel size

Clean use thanks to direct dosage
and simultaneous application

TECHNICAL INFO

Airless Stylo

Sizes: 7,5ml - 10ml - 15ml

Materials:

Bottle / Tube = PP

Plug: PP

Piston: PE

Airless **STYLO**

SENSORY IN AIRLESS

Easy filling

Double choice of actuators:
Bec or Tendril

Ideal for sensitive formulas due
to metal free path pump

Dosage: 230µl

AIRLESS PUMP PURITY STYLO

(Using Lumson Purity patented engine)

Material: PP (Shiny Finish)

Available Actuators:

Actuator Tendril

Actuator Bec

Bottle: PP

Dosage: 230µl

OVERCAPS FOR ACTUATORS BEC OR TENDRIL

Material:

PP (Shiny Finish)



KEY BENEFITS

Small and thin shape
ideal for travel size

Available in Single
or Multilayer version

TECHNICAL INFO

Airless Tubes Ø22

Sizes:
15ml (Height 72mm)
30ml (Height 111mm)
Single or Multilayer

Airless TUBE

TRAVELLING IN AIRLESS

One way valve closing system

Precise application

Different diameters available

3 sizes and multiple
choice on heights

SIZE	DIAMETER (mm)	HEIGHT (mm)
15ml	22	72
30ml	22	111
30ml	25	94
50ml	25	134

AIRLESS TUBE Ø25

Sizes:
30ml (Height 94mm)
50ml (Height 134mm)
Single or Multilayer

Available distribution hole: Ø2mm

SCREW CAP FOR AIRLESS TUBE

Material: PP

COLLECC

MAAK

DISCOVER ALL LUM

DISPEE

SYSTEM

CTIONS

E-UP

SON'S CATALOGUES

NSING

TEMS

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