

FAIRYJET



FAIRY JET
Soleusis Shower

FairyJet: Solenoid-Powered Needle-Free Precision Delivery System

FairyJet™ is a next-generation needle-free delivery device engineered to administer advanced aesthetic and regenerative solutions with exceptional precision and comfort. Powered by a solenoid impact mechanism, the system converts electrical energy into controlled magnetic force to deliver micro-doses of therapeutic solutions through a sterile, needle-free cartridge. The device delivers ultra-precise doses as small as 0.01 cc, allowing practitioners to perform highly controlled treatments while minimizing tissue trauma and patient discomfort. FairyJet maintains consistent delivery pressure regardless of injection angle, ensuring uniform distribution and predictable treatment outcomes. Integrated UV-C automatic sterilization and auto-cooling functions further support hygienic safety and continuous clinical use.

Designed for durability and precision, the device features:

- ±0.01 mm precision tolerance
- Monoblock CNC-machined aluminum construction
- Up to 500,000 shot lifespan
- High-speed firing capability at 0.01-second intervals

This engineering allows FairyJet to deliver consistent, reliable performance in high-volume clinical environments, enhancing both practitioner confidence and patient experience.

Product Overview

FairyJet is a 5th-generation needle-free delivery platform designed for aesthetic and regenerative medicine applications.

The system enables practitioners to deliver a wide range of solutions — including exosomes, skin boosters, hair restoration formulas, and fat-targeting treatments — without the need for traditional needles.

Key capabilities include:

- 0.01 cc micro-dose precision delivery
- Needle-free treatment technology
- Adjustable pressure control (9 levels)
- Low-noise and low-vibration operation
- Uniform micro-dot dispersion
- Minimal pain and reduced infection risk
- Faster post-treatment recovery

Compared to traditional injection systems, FairyJet allows more uniform solution distribution across treatment areas, improving both efficiency and treatment outcomes.

Advanced Engineering

FairyJet is manufactured using high-precision CNC machining and aerospace-grade materials to ensure durability and accuracy in clinical settings.

Engineering features include:

Monoblock CNC Construction

A single-body duralumin frame ensures structural stability and long-term reliability.

Precision Micro-Delivery

Delivers the smallest and most controlled micro-dot dispersion among needle-free systems.

Smart Thermal Response

Automatically adjusts cooling speed based on environmental temperature to maintain optimal device performance during continuous treatments.

High-Speed Operation

Capable of rapid firing intervals at 0.01 seconds, allowing efficient treatment sessions even for larger areas.

Global Voltage Compatibility

Operates on 110V–220V, enabling seamless use across international markets.

Hygiene & Safety Design

FairyJet integrates multiple safety systems to ensure hygienic and safe operation in clinical environments.

Features include:

UV-C Automatic Sterilization

Built-in sterilization system helps maintain device hygiene between procedures.

Disposable Sterile Components

Single-use treatment cartridges reduce cross-contamination risk.

Auto Cooling System

Maintains device temperature stability during extended procedures.

Optional Fitting Guard System

Provides additional treatment stability and improved practitioner control.

Clinical Benefits

FairyJet enables practitioners to deliver treatments that are:

- Needle-free
- Minimally invasive
- Low pain
- Reduced downtime
- High precision
- Consistent dosing

The result is an improved patient experience while maintaining the clinical control and precision required for advanced aesthetic procedures.

Manufacturing & Company Background

FairyJet is developed and manufactured by BLEY Manufacturing®, a precision engineering and technology company founded in 2020.

The company operates a smart manufacturing facility in Hwaseong, South Korea, where over 90% of production is conducted in-house. This allows strict control over quality, design, and production processes.

Core capabilities include:

- Precision CNC machining
- Advanced surface finishing and anodizing
- Integrated product design and simulation
- In-house quality control and testing

The facility is equipped with advanced systems including HAAS CNC, Bystronic laser cutting, FLOW waterjet technology, and high-precision fabrication equipment.

Certifications

FairyJet meets internationally recognized manufacturing and safety standards:

- KC Electromagnetic Compatibility Certification
- (R-R-LEY-FAIRYJET)
- ISO 9001
- Quality Management System
- ISO 14001
- Environmental Management System

FairyJet is certified as a non-medical aesthetic device with KC electromagnetic safety compliance.

Platform Applications

FairyJet is designed as a multi-application delivery platform for aesthetic clinics and dermatology practices, including:

- Skin rejuvenation treatments
- Hair restoration therapies
- Exosome delivery
- Skin booster treatments
- Fat-targeting contour therapies

Its precision and versatility allow clinics to offer multiple treatment protocols using a single device platform.

Explore the internal structure of FairyJet.

Weight

520g

The 'Muzzle' is made from duralumin, an aircraft-grade material, and is CNC precision-machined using glass shots, which are also used in post-processing for products like iPhones and Dyson. It features a smooth surface and provides a quick connection feel for the syringe.

the perfect syringe fit Duralumin Muzzle

Micro Shock absorber

The 'Body Damper' is designed and machined at the end with a negative design to absorb wrist impact, preventing power loss.

*Options
The Body Damper is available separately for PRO users, equipped with an internal spring. It serves as a front/rear slide damper to reduce stress on the wrist and user..

The 'barrel' is made from a material with high transparency and weather resistance, known as the 'queen of plastics.' After precise machining, it is color-coated to allow visibility of the internal components of the product.

Acrylic Coating Barrel

Oilon for smooth operation

The 'inner sleeve' contains 'self-oil components,' designed with excellent quietness and a low surface friction coefficient. It is crafted to reduce surface friction and mitigate repetitive impacts, making it suitable for products with high internal friction.

Vent sleeve for quick cooling

The 'Auto-Ventilation' system automatically ventilates based on the amount of heat generated inside, measuring the heat even under 'harsh heat emission conditions.'

a walnut tree of North America

The 'Wood Grip' is precision-machined using North American premium walnut wood to reduce fatigue from prolonged use and enhance the natural softness and grip of the wood.



What is the Fitting Guard?

Fitting Guard isn't just an accessory—it's a vital component designed to unlock the full potential of both FairyJet and the technician behind it.

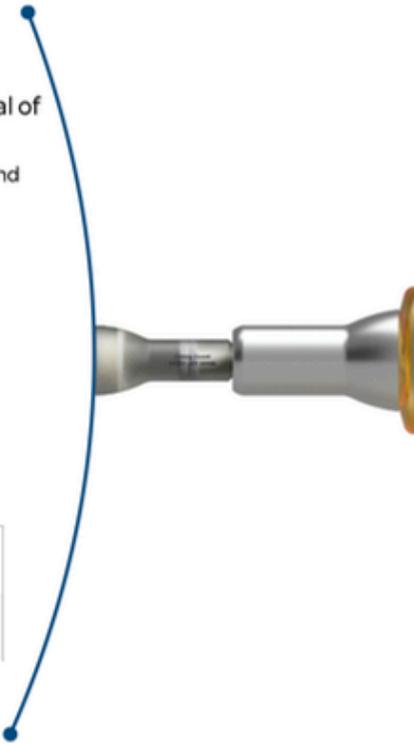
- **Precise Impact Absorption** It gently absorbs the micro-impact of FairyJet's pulses, enabling more stable and consistent treatments.
- **Perfect Fit on Curved Areas:** The Fitting Guard adheres seamlessly to the skin surface, ensuring accurate delivery and minimizing solution leakage.
- **Enhanced Treatment Quality:** The moment the Fitting Guard is applied, experienced technicians immediately recognize its value and the difference it makes.
- **Skin Protection:** When treating delicate or sensitive areas, the Fitting Guard minimizes irritation and skin damage, enhancing client satisfaction.

Fitting Guard Specifications

F	S	B	FIT Stand
Face Only / 20mm	Face & Scalp / 25mm	Body Only / 30mm	3-Piece Drying Stand Set



Exclusively for FairyJet : Just one experience can elevate a technician's treatment quality and dramatically boost client satisfaction.



What sets FairyJet apart from other devices?



Situation	Chinese Products	Other Products	Fairy Jet
Overheating	Non-functional	Non-functional	Induction cooling with holster insertion
Long-term Use	Solenoid Enamel wire hardens	Solenoid Enamel wire hardens	Automatic temperature recognition accelerator ventilation
Leakage	70%	80%	~20%
Wrist Impact	Reaction impact delivered to the user 100% immediately	Reaction impact delivered to the user 100% immediately	Reduced by body dampers
Ampoule Insertion	30%	20%	80%
Ampoule Recovery	3~5 days	3~7 days	2 hours~2 days
Material Quality	Low-cost plastic	Low-cost plastic	Duralumin monoblock machining
Product precision	Approximately 2mm of tolerance imbalance	Approximately 2mm of tolerance imbalance	0.01 precision tolerance (CNC machining)
Warranty	Warranty for 400,000 shots, but verification is not possible	Warranty for 400,000 shots, but verification is not possible	500,000 shots guaranteed and trackable
Hygiene	Unhygienic	Unhygienic	Holster insertion - automatic UV sterilization

FairyJet Shooting Levels & Recommended Output

Recommended Output Levels by Age & Skin Type
Based on FairyJet PRO – Solenoid-Type System

* For clients in their 40s to 60s, practitioners should adjust the level up or down based on skin condition.

Level	Description	Target Depth	Application
STEP 1	Ultra-sensitive areas, eye zone, and scalp	Approx. 0.3-0.4 mm	Sensitive areas / Eye zone
STEP 2	Thin skin, epidermal treatments	Approx. 0.5 mm	Fine lines / Delicate areas
STEP 3	For general use on thin skin	Approx. 0.6mm	Women in their 20s, dry skin
STEP 4	Standard setting for normal skin	Approx. 0.7mm	Women in their early 30s
STEP 5	Normal / Combination Skin	Approx. 0.8mm	Late 30s to early 40s
STEP 6	Thick skin, enlarged pores (For advanced users with certified training)	Approx. 0.9mm	Combination Skin
STEP 7	Body Areas	Approx. 1.0mm	Techmento Master-Level Certified Practitioner
STEP 8	Body Areas	Approx. 1.1mm	Techmento Master-Level Certified Practitioner
STEP 9	Body Areas	Approx. 1.2mm	Techmento Master-Level Certified Practitioner



MMSTUDIO

NO NEEDLES, NO PAIN — JUST RESULTS

The home of the Needle-Free Skin Booster from Korea

FairJet: Air-Infused Needleless & Pain-Free Delivery System

The FairJet Air Infused Needleless Device represents a modern evolution of needle-free jet injection technology, designed for advanced aesthetic and regenerative medicine. Instead of using a traditional hypodermic needle, the system delivers therapeutic solutions through a high-velocity micro-jet of liquid propelled by compressed air or mechanical pressure, allowing the formulation to penetrate the skin and underlying tissue without puncturing the skin with a needle.

This technology enables precise intradermal or subcutaneous delivery of biologics such as exosomes, peptides, and regenerative solutions with significantly reduced pain and minimal downtime.

Exosomes are extremely delicate nano-vesicles (30–150 nm) that carry regenerative signals such as proteins, RNA, and growth factors.

Traditional injections have limitations:

- Needle trauma to tissue
- Uneven distribution
- Risk of localized over-concentration

Air-jet delivery solves these challenges.

Advantages for Exosome Therapy

1. Uniform Dermal Distribution

The jet disperses exosomes across a broader dermal area, increasing tissue exposure.

2. Micro-Particle Compatibility

Studies show jet injectors can successfully deliver sensitive biologics including liposomes, DNA, and nanosuspensions while maintaining functionality.

3. Enhanced Absorption

The dermal layer contains high densities of immune and regenerative cells, which can enhance therapeutic response when biologics are delivered precisely into this layer.

4. Patient Comfort

Needle-free delivery removes needle anxiety and dramatically reduces treatment discomfort.

Immune-Tolerant Exosomes + FairJet

The FairJet platform is designed as a delivery system for Immune-Tolerant Exosomes, a next-generation biologic designed to minimize inflammatory reactions while maximizing regenerative signaling.

Immune-tolerant exosomes are engineered or selected to:

- Reduce immune rejection
- Improve compatibility with human tissue
- enable repeated treatments
- maximize regenerative signaling

The combination creates a non-invasive regenerative delivery platform where biologics are delivered painlessly and evenly to the target tissue.

Exosome Treatment Lines

Skin Rejuvenation Exosome Therapy

Purpose: Advanced skin regeneration and anti-aging.

Mechanism:

- Stimulates fibroblasts
- Boosts collagen and elastin synthesis
- Enhances skin hydration and barrier repair
- Reduces inflammation and pigmentation

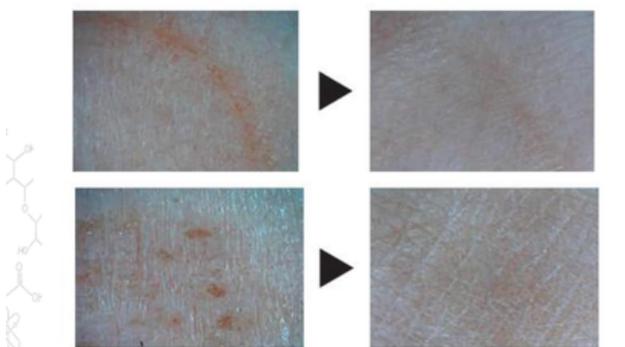
Benefits:

- Improved skin elasticity
- Reduced wrinkles and fine lines
- Improved skin tone and texture
- Faster post-procedure healing

Ideal indications:

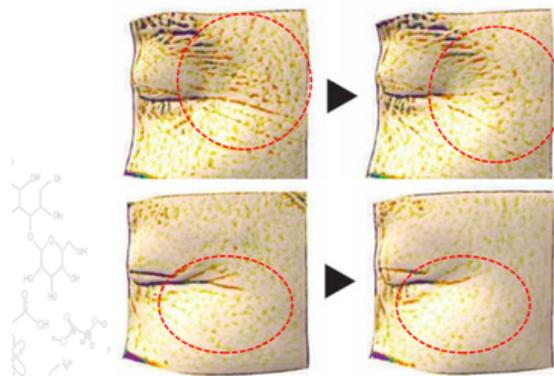
- Aging skin
- Post-laser recovery
- Acne scars
- Hyperpigmentation
- Sensitive or inflamed skin

Enhanced Skin Barrier Resilience Against External Stimuli
(Observed After 2 Weeks of Use)



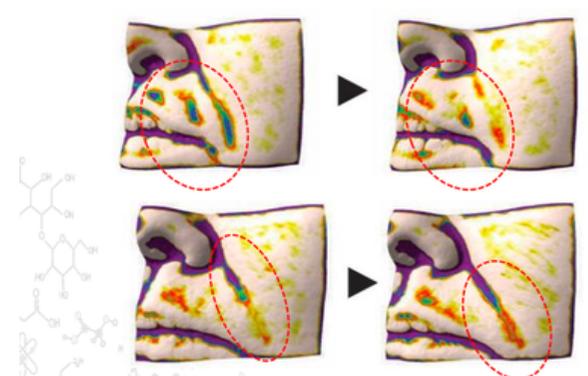
Clinical Data Obtained from an Institution Certified by the Ministry of Food and Drug Safety (MFDS, Republic of Korea)

Periorbital Wrinkle Improvement After 4 Weeks



Clinical Data Obtained from an Institution Certified by the Ministry of Food and Drug Safety (MFDS, Republic of Korea)

Nasolabial Fold Density Analysis (After 4 Weeks of Use)



Clinical Data Obtained from an Institution Certified by the Ministry of Food and Drug Safety (MFDS, Republic of Korea)

Hair Restoration Exosome Therapy

Purpose: Regeneration of dormant or weakened hair follicles.

Mechanism:

- Stimulates dermal papilla cells
- Activates hair follicle stem cells
- Improves scalp micro-circulation
- Reduces follicle inflammation

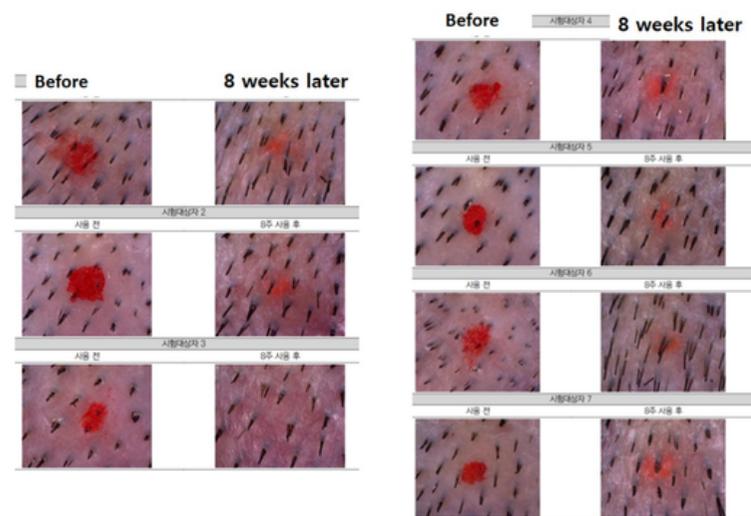
Benefits:

- Increased hair density
- Thicker hair shafts
- Reduced shedding
- Healthier scalp environment

Ideal indications:

- Androgenetic alopecia
- Stress-related hair loss
- Post-partum hair loss
- Early follicular miniaturization

FairJet delivery allows even distribution across the scalp, covering large treatment areas quickly.



Fat Dissolve Exosome Therapy

Powered by Immune-Tolerant Exosomes + FairJet™ Needleless Air Infusion

Fat Dissolve Exosome Therapy is a non-surgical body contouring treatment designed to target small, localized fat deposits while simultaneously improving skin quality and firmness. Delivered using the FairJet™ needleless air-infusion device, the therapy distributes Immune-Tolerant Exosomes evenly across the treatment area, stimulating metabolic activity within fat tissue and promoting natural tissue remodeling.

Unlike traditional fat-dissolving injections that rely solely on chemical adipocyte destruction, this approach focuses on metabolic activation and regenerative remodeling, supporting the body's natural ability to break down and clear fat while maintaining healthy skin structure.

Purpose

The goal of Fat Dissolve Exosome Therapy is to provide precise contour refinement in areas where stubborn fat persists despite diet and exercise. The treatment targets localized adipose tissue while simultaneously supporting skin tightening and improved dermal quality.

This makes it particularly effective for smaller aesthetic areas and finishing contour work, where patients want refinement rather than aggressive fat reduction.

Mechanism of Action

1. Activation of Adipocyte Metabolism

Immune-Tolerant Exosomes contain signaling molecules that influence cellular communication. When delivered into the subdermal fat layer, these signals can encourage adipocyte metabolic activity, supporting the breakdown and mobilization of stored lipids.

This metabolic activation helps the body gradually reduce fat volume in the treated area through natural metabolic pathways.

2. Support of Lymphatic Clearance

Once fat cells release stored lipids, the body must clear these byproducts through the lymphatic and circulatory systems.

Exosome signaling can help support local tissue circulation and lymphatic activity, assisting the body in processing and removing released fatty components, leading to gradual contour improvement.

3. Tissue Remodeling & Skin Tightening

One major limitation of traditional fat dissolving treatments is skin laxity after fat reduction.

Exosomes help address this by stimulating:

- fibroblast activity
- collagen production
- extracellular matrix repair

This results in improved dermal structure and elasticity, helping the skin adapt smoothly to the reduced volume beneath it.

Common Treatment Areas

Double Chin (Submental Fat)

One of the most common aesthetic concerns, submental fat can soften the jawline and create a “double chin” appearance. Fat Dissolve Exosome Therapy helps reduce localized fat while tightening the skin under the chin, enhancing facial definition.

Jawline & Lower Face

Localized fat along the jawline can blur facial contours. This treatment supports sharper jawline definition while improving skin firmness, creating a more sculpted profile.

Abdomen

Small abdominal fat pockets — particularly in the lower abdomen — can be resistant to diet and exercise. The therapy assists in localized fat metabolism while improving skin texture.

Flanks (Love Handles)

Fat accumulation along the flanks can disrupt the body's silhouette. Targeted exosome therapy can help refine waist contours and smooth the transition between the abdomen and back.

Arms

Upper arm fat and mild skin laxity are common aesthetic concerns. This treatment supports fat reduction and skin tightening, improving arm contour and tone.



Anti-Aging



Depigmentation



Result booster



Hair Growth



Lifting



Fat Dissolving

EXO-DERMA

Pure lyophilized IT-Exosomes for skin repair and rejuvenation.

EXO DERMA stimulates collagen production and repairs the skin barrier.



84%

Reduction in Skin Inflammation

35%

Increased Hydration within 30 minutes

13x

More Collagen Synthesis vs Adenosine

EXO-HAIR

Pure lyophilized IT-Exosomes for hair regrowth and enhancing the skin barrier of the scalp.

Infused with a unique blend of peptides that activates hair follicles and visibly reduces hair loss.



24.8%

Hair Growth Phase Extension

60%

Hair Shedding Prevention

Item code	Item Name	SKU Photo	Quantity	Package Price
FJ01	Fairy Jet (3.5 kg)		1	\$15,000*
EV01	Exo Derma (5ml)		24	
EV02	Hair Grow (5ml)		24	
EV03	Exo Derma - Lyophilized Exosome with HA (100mg) + Booster (5ml)		12	
EV04	Exo Hair - Lyophilized Exosome with HA (100mg) + Booster (5ml)		12	
EV05	Fine Contour - Lifting (5ml)		10	
EV06	Mela Contour - Depigmentation (5ml)		10	
EV07	FNC30 - Fat Dissolving (5ml)		10	

*ALL FEES FOR IN-PERSON TRAINING AND DEMO ARE INCLUDED

The buyer may choose the type of exosomes, with a minimum order of 100 units.



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