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Elevate the Quality of Your Pigmentation

ME™ is a response to the real needs of artists – to the everyday challenges of working in a treatment room and the high expectations for consistent results. It was created for professionals who demand reliability, precision, and full control over every movement.

You'll feel the difference immediately – from the very first contact of the needle with the skin. **ME™** responds instantly, with exceptional accuracy, leaving a clean, sharp mark that doesn't fade when wiped. Dot, shade, line – every result is the outcome of perfectly transferred power and stable mechanical performance. A gentle touch is enough – the device operates smoothly, without power drops, delivering repeatable results.

ME™ is the result of close collaboration between permanent makeup experts and engineers. We've combined advanced technology with hands-on treatment experience. Every part of the device has been refined down to the smallest detail – with a focus on maximum comfort and excellent pigmentation outcomes. It performs with outstanding stability, allowing you to fully focus on what matters most – precision.

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The ME™ set includes:

- **ME™ device** made from durable 6061 aluminum alloy
- Matching aluminum stand
- Two battery sets (four batteries total)
- Battery charger

Note: The charging adapter is not included. It must be purchased separately.

The device and stand were engineered with ergonomics and safety in mind, minimizing the risk of accidental falls from the workstation.

The device can be placed in two positions:

- **Vertical** – resting on the cap
- **Horizontal** – placed in the dedicated stand





OLED Display

The minimalist OLED display clearly shows:

- Current working frequency
- Battery level
- Pause mode status



Multi-Function Button

The elongated button on the body of the device performs three functions in one:

- **Middle section** – press and hold for 3 seconds to turn the device on or off
- **“+” symbol** – increases frequency
- **“-” symbol** – decreases frequency
- **Single click in the center** – activates pause

Its ergonomic placement allows comfortable use for both right- and left-handed artists.



Grip

The device features a 28 mm grip that allows for manual adjustment of needle extension. By turning the grip, the user can increase or decrease the visible needle length.

The grip's contoured shape:

- Offers a comfortable hand position
- Minimizes wrist and finger fatigue during longer sessions
- Ensures a steady grip and precise needle control

Custom Faulhaber Brushless Motor

The motor defines the **ME™ device** — it's the heart of the system. No compromises were made. We placed everything that matters into a housing that combines power with ergonomics.

ME™ features a **custom Faulhaber brushless motor** that delivers consistent performance, regardless of battery level, operating speed, or skin resistance. Thanks to its brushless design, the motor maintains constant torque and power even at low speeds — enabling smooth, even, and effective pigment implantation with every needle stroke.

The technology supports a wide frequency range — from as low as **25 Hz up to 160 Hz** — allowing the device to adapt perfectly to various techniques.

Integration with an **advanced PCB and a precisely programmed microcontroller** ensures total control over device operation. Every needle movement is executed at a precisely defined frequency, with consistent strength, precision, and impact. The result is uniform, predictable pigmentation — far beyond the capabilities of most devices on the market.



Technical Specifications

The ME™ device is engineered to maintain optimal performance in a compact, lightweight format. With a working voltage of **3.7 V** and a current draw of **0.5 A**, it delivers stable and energy-efficient operation.

Its frequency range of **25 to 160 Hz** allows precise adjustment to different pigmentation techniques and skin types. Artists can choose between two needle stroke options: **2.8 mm or 3.5 mm**, depending on their preference and desired outcome.

- **Dimensions:** 33 mm × 115 mm
- **Grip diameter:** 25 mm
- **Weight:** 124 g (without battery), 147 g (with battery)



Interchangeable Battery System

Most devices on the market come with a built-in battery inside the housing. When that battery wears out or fails, it often requires costly repairs or full module replacement — leading to downtime in your studio. Other solutions rely on external battery packs, which extend the length of the device, shift its center of gravity, and reduce control over movement.

With the ME™ model, we chose a hybrid solution:

- A compact and lightweight battery housed inside the device,
- Total device weight: only 124 g without the battery and 147 g with the battery,
- Up to 7 hours of use per charge — and with 4 batteries included, you can work continuously for up to 28 hours,
- Quick battery replacement,
- Low cost of purchasing additional batteries.



⊕ Efest INR 18350 ⊖

⊕ Efest INR 18350 ⊖
1280mAh 10A 3.7V
Max continuous discharge: 10A
RoHS CE

Inserting the Battery

Ensure the battery is inserted in the correct orientation — otherwise, the device will not power on. A symbol inside the device indicates the correct battery position.

When screwing on the cap:

- Turn it slowly and evenly
- If you feel resistance, stop — do not force it
- **Forcing the cap may damage the thread, requiring replacement of the entire housing**



Charging the Battery

- Insert the batteries into the charger, making sure to match the polarity markings.
- The charger can charge a **maximum of 2 batteries** at the same time.

IMPORTANT!

Only use a power adapter with the following specifications:

Output: 5V / 2A (USB)

Do not use adapters with Quick Charge functionality (e.g. 9V/2A, 12V/1.5A)
– the higher voltage can damage both the charger and the batteries.

Potential consequences of using the wrong power supply

The charger may be damaged without any visible signs.
Faster charging ≠ better.

Quick Charge adapters can lead to:

- Overheating of the electronics,
- Reduced battery lifespan,
- Permanent damage to the power management system (PCB).

Needle Extension Adjustment

Needle extension can be manually adjusted by turning the grip.

To adjust:

- **Counterclockwise** – shortens needle extension
- **Clockwise** – increases needle extension

To adjust needle extension precisely, observe the tip of the cartridge while the device is running – the needle length should be clearly visible once the device is turned on.

Note: Before starting the procedure, make sure that the needle extension is properly adjusted to the working technique, skin type, and the cartridge being used.



Frequency Displayed in Hz

The brushless motor in the **ME™** ensures consistent power and smooth operation across all speed settings – without loss of needle impact. This gives artists the freedom to adapt the device to their technique, the client's skin type, and their individual preferences.

ME™ displays frequency in Hertz (Hz) – the most accurate unit for measuring how many full up-and-down cycles the needle performs per second. For example, 25 Hz means the needle moves exactly 25 times per second.

Why is comparing voltage (V) misleading when it comes to speed?

Many permanent makeup devices display speed in volts, but 6.5 V in one machine may not correspond to 6.5 V in another. That's because:

- **Differences in construction and electronics** – Each device has a unique motor, controller, and power system configuration, which means that the same voltage can result in a different actual number of needle punctures per second.
- **Lack of standardization** – Voltage only indicates the power supply level, not the actual needle stroke frequency.
- **Approximate value** – In many devices, voltage is displayed as a rough estimate, giving the user a general sense of “power,” not the exact number of cycles per second.



Suggested Frequencies (Hz)

The following frequency ranges are based on the experience of respected permanent makeup professionals who work daily with the **ME™ device**:

- **Ombre/Powder Brows (bold, pixelated effect):** 60–65 Hz
- **Ombre/Powder Brows (soft, satin finish):** 70–85 Hz
- **Hair Stroke Brows (powdered/Asian style):** 30–45 Hz
- **Brow outline:** 60–65 Hz
- **Lips:** 50–65 Hz

These values serve as a reference point and can help in selecting the appropriate settings when starting to work with the device.

However, it's important to remember that the final speed should always be adjusted to your individual technique, the client's skin type, and the desired result of the procedure.



Cartridge Compatibility

The ME™ device is compatible with universal cartridges with standard "click" connection. This allows the user to work with a wide range of cartridges available on the market — regardless of brand — and select the needle configuration that best suits the technique, skin type, and personal preferences.

ME™ can be used with cartridges designed for **permanent makeup** as well as those intended for **microneedling treatments**.



Needle Stroke (Stroke Length)

The stroke refers to the mechanical distance the needle travels in one full cycle – from its highest to lowest point. A longer stroke means more movement and stronger impact. However, pigment depth is mainly determined by technique and hand pressure, not stroke alone.

ME™ offers two stroke options: **2.8 mm and 3.5 mm.**

- **2.8 mm** – shorter movement, lighter impact, softer pigment effect; ideal for delicate or sensitive skin
- **3.5 mm** – longer movement, stronger impact, more saturation per dot; preferred for bold or dense techniques

Advanced software in **ME™** monitors skin resistance in real time and adjusts the needle strike force automatically – ensuring smooth, stable, and predictable results, regardless of stroke setting, needle type, or skin condition.

Both stroke options are universal – suitable for all skin types. The right stroke depends on your technique, pigment choice, and working style.



Needle Extension (Protrusion)

Proper needle extension is essential for effective pigment pickup from the cartridge and for consistent, even implantation into the skin. The needle must be able to fully retract into the cartridge in order to collect the proper amount of pigment before reentering the skin.

Recommended values based on stroke length:

- **3.5 mm stroke** – optimal extension: approximately **1.75 mm**
(half of the stroke)
- **2.8 mm stroke** – recommended extension: **1.3–1.4 mm**
(also around half of the stroke)

If the needle is extended too far, it may not retract fully into the cartridge, resulting in so-called **“empty” pigment strokes**, uneven pigment dispersion, and increased skin irritation.

On the other hand, if the needle is extended too little, excessive pigment may flow down the needle, making it more difficult to control pigment delivery and potentially affecting the overall result.

In practice, needle extension should be adjusted based on:

- The viscosity and thickness of the pigment
- The type and diameter of the needle
- The artist’s individual technique
- The client’s skin type

When the extension, stroke, and frequency are properly aligned, the result is a consistent system of parameters that enables efficient pigment implantation, minimizes trauma to the skin, and supports long-term consistency in healed results.



Lubrication Inside the Device

Lubrication of internal mechanical parts is an important part of the manufacturing process. During the first uses of your device, you may notice a **transparent or white trace of lubricant** at the tip of the cartridge after removal. This is completely normal and not a cause for concern.

This lubricant is a specialized technical compound that protects the moving parts of the mechanism, reduces friction, and ensures smooth, quiet operation. A small amount may initially appear at the point of contact with the cartridge, especially during the break-in period. **This does not affect treatment quality or safety.**

As the device is used, any excess lubricant is gradually absorbed, and the amount stabilizes internally. **There is no need for intervention.**



Device Protection During the Procedure

Properly securing the device during a permanent makeup procedure is a key part of maintaining hygiene at the workstation. This step helps reduce the risk of **cross-contamination**, which can pose a health hazard not only to the current client, but also to future clients.

Neglecting this procedure — often due to lack of awareness or routine oversight — increases the chance of transmitting pathogens, even when no visible contamination is present.

Client Safety Comes First

In any procedure that involves breaking the skin, full responsibility for client safety rests with the practitioner. The device must be fully protected, especially any areas that may come into contact with the practitioner's hands, pigment, bodily fluids (e.g., blood, lymph), or the treatment area.



How to Protect the Device

We recommend the following protective measures for the **ME™ device**:

- Disposable plastic sleeves to cover the device body
- Self-adhesive protective film (commonly used in dentistry, also known as “dental film”)
- Elastic cohesive bandage to wrap and protect the gripping area

The ME™ device should be completely covered, in such a way that **no part of the device comes into direct contact with the artist’s hand** during the procedure.

How to Properly Remove Protective Covers After the Procedure?

1. Put on clean, disposable gloves.
2. Carefully remove the elastic bandage, then take off the protective film or sleeve.
3. Do not apply disinfectants directly to the device — contact with liquid may cause internal damage to the electronics and result in permanent malfunction.



Device Disinfection

After removing the protective materials, **only the external surface of the device** should be disinfected.

- Use **cold disinfectant solutions** and **disposable cloths or wipes**.
- **Do not spray disinfectant directly onto the surface** – any liquid that enters the housing can damage internal electronic components.
- Avoid disinfectants with harsh chemicals that may **damage the anodized aluminum coating**, potentially leading to discoloration or surface degradation.



Grip Sterilization

The ME™ grip is **autoclavable**.

- Use **lower-temperature autoclave settings** to avoid damaging the anodized finish.
- Always **pre-disinfect the grip** using an appropriate cold disinfectant solution before placing it in the autoclave.
- Ensure the grip is completely dry before sterilization.



How to Maintain for Your ME™ Device

Proper use and care are essential for the longevity and reliable performance of **your ME™ device**. The internal components are highly precise and sensitive to mechanical damage, which means improper handling may lead to permanent malfunction.

Avoid dropping the device, hitting it against hard surfaces, or exposing it to impacts. Such damage is not covered under warranty and, if service is required, will result in additional costs.

Key Guidelines for Proper Use

- Do not drop the device or hit it against hard surfaces
- Do not spray disinfectant directly onto the device — it may damage the internal electronics
- Do not operate the device without proper protective covering — pigment can enter through the button and reach internal components
- Do not place the entire device in an autoclave — only the grip is autoclavable
- Follow all safety and usage recommendations outlined in this manual

If you have any questions about device care or operation, feel free to contact us:  contact@mepmu.com



Compliance Certifications:



The **ME™** device holds both **CE** and **UKCA** certifications, confirming its compliance with safety standards required for legal sale and use in the **European Union** and the **United Kingdom**.

Why This Matters to You as a User?

Workplace Safety

The **CE** and **UKCA** marks indicate that the device has been thoroughly tested **for electrical, mechanical, and electromagnetic safety**. This reduces the risk of failure and protects both the practitioner and the client during use.

Quality and Reliability

Certified devices undergo strict quality assurance testing, confirming the **durability of components, stability of performance, and resistance to environmental factors**.

Regulatory Compliance

Having **CE** and **UKCA** certifications is legally required for the device to be **sold and used** in these regions. It guarantees that the **ME™ device** meets all relevant **technical, operational, and safety standards** for professional use.



Where to Find the Serial Number

Each **ME™ device** is assigned a unique serial number, which allows us to identify the model, production date, and purchase details. This number is required for any service or warranty claim.

The serial number is located **under the grip**, directly on the device thread, near the **CE** and **UK** markings. To view it, simply unscrew the grip. Many users mistakenly search for the serial number inside the end cap — please note that the number found there is the **PCB board number**, which is not used for device identification.



Service and Warranty Claims

Despite its high-quality construction, every device — including **ME™** — may occasionally require service. We understand the importance of minimizing downtime, which is why our service process is fast, efficient, and available during business hours.

Service hours: Monday to Friday, 9:00–17:00 (CET)

We respond to all claims **within 24 hours**, and repair time typically ranges from **24 to 72 hours** (measured from the moment we receive the device to the moment it is shipped back).

How to Submit a Warranty Claim

To send your device in for service:

- 1. Contact our service department at:** service@mepmu.com
- 2. Please include the following in your message:**
 - A description of the issue
 - The device's serial number
 - Photos showing the condition of the device (prior to shipment)

If you have additional questions, you can also reach us by phone:



+48 510 410 199

* Repair time may be extended if parts are unavailable or if further technical evaluation is required. In such cases, the customer will be informed individually.



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Wszystkie urządzenia marki 'me' posiadają funkcję automatycznego wyłączenia po 15 minutach nieaktywności. To właśnie dzięki tej funkcji nasze urządzenia są bezpieczne dla Twojej skóry i włosów. Każde urządzenie posiada również funkcję pamięci, która umożliwia zapamiętanie Twoich ulubionych ustawień. Dzięki temu zawsze możesz cieszyć się idealnym rezultatem. Wszystkie urządzenia marki 'me' są wykonane z wysokiej jakości materiałów i są odporne na uszkodzenia. Dzięki temu możesz cieszyć się nimi przez wiele lat.

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Working with Training Academies

Collaboration with PMU artists and educators is a core part of the **ME™** mission. If you run a training academy, host educational events, or need support with devices or materials – we'd love to talk about how we can work together.

 contact@mepmu.com

Are You Interested in Distributing ME™ Machines ?

If you run an online store, training academy, or you're a PMU artist interested in recommending or selling our products – get in touch to learn more about distribution opportunities and conditions.

We welcome new partnerships. Contact us to learn more!

 contact@mepmu.com



Contact

Have questions? We're here to help.

Our support team is available from:

Monday to Friday, 9:00–17:00 - (CET / Poland Time)

 **Email:** contact@mepmu.com

 **Shop support line:** +48 732 083 333

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