

VMP

Veterinary Mobile Pack

Design and innovation

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VMP

Overview:

VMP is a cutting-edge portable suitcase designed to seamlessly transform into a fully functional veterinary clinic, providing unparalleled convenience and versatility for veterinarians operating in diverse environments. This document provides an in-depth understanding of the features, specifications, and operational capabilities of the VMP system.

Product story form :

As a veterinarian and a dedicated student of Healthcare Emergency Management, I have cultivated a wealth of experience over numerous years, channeling my expertise into the meticulous design and enhancement of veterinary services. My journey commenced during my formative years as a student, where I embarked on a mission to extend essential pet care services directly into the homes of pet owners, particularly catering to those unable to access conventional veterinary facilities. Central to this endeavor was my unwavering commitment to establishing an environment conducive to consultation and ancillary procedures, underpinned by stringent hygiene standards.

Despite my persistent efforts to uphold cleanliness, I encountered recurring discomfort when performing tasks such as anal gland expression on kitchen counters or dining tables during visits to small dog patients. Motivated by this realization and driven by my passion for innovation, I resolved to harness my creative acumen to devise a solution that would effectively address this challenge. My objective was to create a practical and hygienic alternative that elevated the standard of care and mitigated concerns surrounding potential contamination in domestic spaces. Thus, through a process of innovative design and meticulous refinement, I conceived the portable veterinary suitcase – a versatile solution that seamlessly transitions into a fully equipped clinic on wheels. This groundbreaking creation not only facilitates ease of movement for veterinarians but also ensures a sterile and controlled environment for consultations and procedures. Incorporating advanced features such as adjustable height mechanisms, sterilizable materials, and specialized compartments for surgical supplies and sample transportation, the suitcase epitomizes a paradigm shift in veterinary care delivery.

Furthermore, mindful of the exigencies of emergencies, I ensured that the design of the veterinary suitcase encompasses features that enable swift and efficient utilization during crises. By prioritizing functionality and accessibility alongside hygiene, my invention represents a holistic solution that caters to the diverse needs of veterinarians, particularly in emergency scenarios.

In essence, my transition from practitioner to inventor underscores my steadfast dedication to advancing the field of veterinary medicine through ingenuity and foresight. By bridging the gap between convenience, hygiene, and emergency preparedness, my creation endeavors to redefine the standards of veterinary care delivery, ultimately ensuring optimal outcomes for practitioners and their cherished animal patients.

What makes VMP novel?

A magical luggage that can change from being a clothes carrier to a small clinic! VMP has many details to prove its superiority! Luggage usage is not restricted to transferring clothes and being present only in airports, and it has evolved. The height change and the presence of a resistant stainless steel plate make it possible to disinfect the location of the case. The installation of a light to increase accuracy and separate the space for surgical instruments. The cold chain can be maintained and established through the use of a cold box. We have used only one suitcase for our travels thus far! Now it has the chance to become a friend of veterinarians!

What is the purpose of the product?

The need for a complete and portable package for veterinary medical services is solved by VMP during emergencies and disasters. Also, Cleaning and hygiene will be enhanced during treatment in non-therapeutic environments by VMP

Features and details:

1	Luggage Weight (without details)	9.10 lbs
2	Exterior dimensions	31.5*17.5*14.25 inch (includes handles and wheels)
3	Interior dimensions	28.75*15.25*13.5 inches
4	Volume	97 L
5	Material	Luggage : polycarbonate ex cdesk: stainless still
6	Wheels	Mecanum wheels with Break
7	Inside 1	Removable and washable lining – this part include: cold box and surgery box
8	Cold box	A cover made of luggage lining that prepares a compartment for placing a drug refrigerator. What is inside? Drug Refrigerator: Portable, Chargeable Mini Drug Refrigerator Cooler Box. Handle, 2 Battery Pack, Thermometer.
9	Surgery box	Removable- A cover made of luggage lining that prepares a compartment for placing a surgery set.
10	Inside 2	This piece of luggage provides two full packing compartments: exterior features a zipped divider with a mesh pocket and two elastic pockets. interior part includes shelves and elastic tie-down straps to prevent packed items from shifting during movement. Roomy main compartment shelves also features removable lining

12	Light	<p>A rechargeable light that consists of a base and a neck that is placed in the neck area of the lamp! This product can be adjusted and moved from the neck area.</p> <p>The light is responsible for providing illumination to the examination table.</p> <p>Where is located?</p> <p>The light is foldable and when closed it is placed in the recess created on the back of the product</p>
13	Examination desk	<p>The examination table has been placed inside a recess on one of the suitcase doors!</p> <p>The purpose of the indentation is to give enough room for the table legs! The legs can fold and remain closed when in the closed state with a holder below the table.</p> <p>A push lock prevents the table from being fixed in the recess.</p>
14	Safety box	<p>An opening compartment on the other side of the luggage! This can be utilized as a trash can or to store contaminated items</p>
15	Powerbank	<p>A charging source for devices! This is put on the luggage's outer body</p>
16	Legs height	<p>The product's height increases by 18 to 20 inches when the legs are opened</p>

Portability and Mobility:

Equipped with four-sided wheels and a unique dual-wheel design, facilitates effortless movement and maneuverability in varied terrains and angles.

Height Adjustment:

Innovative adjustable legs allow veterinarians to customize the height of the suitcase to their preference, ensuring ergonomic comfort during operations.

Veterinarians can easily adjust the height of the suitcase to their height when beginning work, thanks to its adjustable legs. After finishing the work, they can retrieve the collapsible legs and ultimately have a suitcase that appears to be simple! It should be noted that the holders designed under the steel sheet as an examination table hold the legs when closing the work and prevent the table from opening by itself. The suitcase's body has a dent and concave design in the area where the examination table is located and that is the why of that!

- **Sterilizable Materials:**

- Utilizes high-quality stainless steel and polycarbonate materials, enabling easy sterilization and disinfection to minimize contamination risks.

- **Enhanced Hygiene:**

- Incorporates a safe box for safeguarding sensitive materials and implements, reducing the risk of disease transmission and contamination.

- **Illumination:**

- Integrated lights provide optimal visibility in all environments, ensuring accurate diagnostics and procedures, even in low-light conditions, powered by a rechargeable battery.

- **Cold Box:**

- Features a VMP cold box for secure transportation of blood samples, vaccines, and temperature-sensitive medications, maintaining the integrity of the cold chain.

- **Surgical Supplies Section:**

- Dedicated compartment for carrying essential surgical equipment, ensuring readiness for emergency procedures while maintaining sterile conditions.

- **Washable Components:**

- Removable cold and surgical boxes allow for easy cleaning and disinfection, ensuring hygiene standards are upheld at all times.
- **Device Charging:**
 - Includes a power bank for convenient charging of mobile phones and laptops, ensuring uninterrupted communication and access to essential resources.

Operational Efficiency:

VMP streamlines veterinary operations by providing a comprehensive solution that combines mobility, functionality, and hygiene. Its ergonomic design and versatile features empower veterinarians to deliver optimal care in any setting, ensuring the well-being of both patients and practitioners.

Classified Level:

Level 3 - For Authorized Personnel Only