



## Dabotechnology Plug-and-Play Sanitization Kit for Electric Vacuum Cleaners

The **Dabotechnology Plug-and-Play Sanitization Kit** transforms standard electric vacuum cleaners—of any brand—into advanced hygiene systems capable of **simultaneous cleaning and active sanitization**. Designed for seamless integration, the kit can be installed as a retrofit or incorporated at OEM level without modifying the original architecture, usability, or performance of the vacuum cleaner.

At the core of the system is a **closed-chamber UV-C module**, engineered to deliver controlled irradiation directly at floor level while ensuring maximum user safety. This is combined with **proprietary magnetic field technology**, creating a synergistic sanitization process that enhances the reduction of bacteria, viruses, and other microorganisms on treated surfaces. The entire process takes place during normal cleaning operations, with no additional steps required by the operator.

Unlike chemical-based solutions, Dabotechnology operates **without detergents, liquids, or consumables**, making it an environmentally responsible and cost-effective solution. The system supports sustainability goals while reducing operational downtime and recurring expenses. Integrated safety interlocks and intelligent control logic ensure that UV-C emission is active only under correct operating conditions.

The plug-and-play concept allows fast installation, easy maintenance, and broad compatibility across different vacuum cleaner designs and market segments. This makes the solution ideal for **medical and healthcare facilities, laboratories, clean rooms, hospitality environments, offices, public buildings, and professional cleaning services**, where hygiene standards are increasingly critical.

With Dabotechnology, electric vacuum cleaners evolve into **next-generation hygiene tools**, delivering higher safety, improved sanitation performance, and added value for manufacturers, service providers, and end users alike—without changing established cleaning habits.

### Tagline

**Clean. Sanitize. Protect.**

*Upgrade any electric vacuum cleaner with Dabotechnology.*

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### Key Benefits

- **Dual Action Cleaning**  
Simultaneous mechanical cleaning and active surface sanitization in a single pass.

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- Advanced UV-C + Magnetic Technology**  
 Controlled UV-C irradiation combined with proprietary magnetic fields to enhance microbial load reduction at floor level.
- Plug-and-Play Integration**  
 Compatible with electric vacuum cleaners of any brand; ideal for retrofit or OEM integration without structural modifications.
- Chemical-Free & Sustainable**  
 No detergents, liquids, or consumables required—reduces environmental impact and operating costs.
- Designed for Medical & Professional Environments**  
 Suitable for healthcare facilities, laboratories, hospitality, offices, and high-traffic public spaces.
- Safe by Design**  
 Enclosed UV-C chamber with integrated safety interlocks for user and bystander protection.
- Added Value for Manufacturers & Operators**  
 Transforms standard vacuum cleaners into next-generation hygiene devices, enhancing differentiation and perceived value.

## 1) Hospital Tenders / Regulatory-Focused Version

### Procurement Title

**Plug-and-Play UV-C Sanitization Module for Electric Vacuum Cleaners**

### Technical & Regulatory Overview

The **Dabotechnology Plug-and-Play Sanitization Kit** is a modular add-on designed to enhance surface hygiene during routine floor cleaning operations in healthcare environments. The system integrates a **closed UV-C treatment chamber** with **proprietary magnetic field technology**, operating exclusively at floor level and only under controlled, interlocked conditions.

The solution is intended for use with electric vacuum cleaners of any brand, either as a retrofit or OEM integration, without altering the original mechanical, electrical, or functional characteristics of the host device.

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## Key Compliance-Oriented Features

- **Chemical-free sanitization process**, supporting infection control protocols without residues or consumables
- **Enclosed UV-C emission**, with safety interlocks preventing accidental exposure
- **Operation limited to active cleaning conditions**, ensuring controlled use
- **No change to operator workflow**, minimizing training requirements
- **Supports hygiene-by-design strategies** in healthcare facilities

## Intended Use Environments

Hospitals, clinics, outpatient centers, laboratories, long-term care facilities, and other controlled medical environments where enhanced surface hygiene is required.



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## 2) Market Localization



### European Union (EU) Version

#### Positioning:

A sustainable, chemical-free hygiene solution aligned with EU environmental and occupational safety principles.

#### Key Emphasis:

- Supports **sustainability and ESG objectives**
- Reduces chemical usage in line with **EU Green Deal** principles
- Designed for integration into professional equipment used in **public and healthcare facilities**
- Suitable for inclusion in **public procurement and CAM-oriented tenders**

#### Suggested Claim:

*Enhancing hygiene performance while supporting environmental responsibility.*



### United States (US) Version

#### Positioning:

A technology-driven enhancement for professional cleaning systems focused on operational efficiency and safety.

#### Key Emphasis:

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- **Non-chemical surface sanitization** during standard cleaning workflows
- Designed to support **facility hygiene protocols** without consumables
- Retrofit-friendly solution for **commercial and healthcare cleaning fleets**
- Emphasis on **risk reduction and operational consistency**

#### Suggested Claim:

*Integrated sanitization for smarter, safer cleaning operations.*



## Asia (China / Japan / Southeast Asia) Version

#### Positioning:

Advanced hygiene technology supporting smart facilities and preventive health strategies.

#### Key Emphasis:

- **Technology-driven sanitation** integrated into daily cleaning
- Suitable for **smart hospitals, public buildings, and high-density environments**
- Minimal maintenance and fast deployment
- Compatible with **local manufacturing and OEM integration models**

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## 亚洲(中国 / 日本 / 东南亚) 技术与合规版本

### 技术定位：

本技术是一种面向医疗及公共设施的先进卫生处理解决方案，旨在支持智能化基础设施建设及预防性健康管理体系。系统通过技术集成方式，在不改变现有清洁流程的前提下，实现对环境表面的持续卫生强化。

### 技术与应用要点：

- 基于技术驱动的消毒系统，可集成于日常清洁作业流程中运行
- 适用于智能医院、医疗机构、公共建筑及高人员密度使用场景
- 系统结构设计以降低维护频率并支持快速部署
- 架构兼容本地制造、装配及 OEM 集成模式，便于产业化落地

### 合规与实施说明：

本解决方案可作为现有清洁设备的功能性扩展模块，适用于医疗及公共环境的卫生管理体系建设，支持机构在执行相关卫生规范及内部管理标准时的技术升级需求。



## アジア(中国／日本／東南アジア)技術・規制対応版

### 技術的ポジショニング：

本技術は、医療施設および公共施設における衛生管理強化を目的とした先進的な環境衛生ソリューションであり、スマートファシリティおよび予防的健康管理体制の構築を支援することを目的としています。

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技術・運用上の特長：

- 日常清掃工程に組み込み可能な技術主導型消毒システム
- スマート病院、医療機関、公共施設、高利用密度環境に適合
- 保守負担を抑えた設計および迅速な導入が可能
- 国内製造体制および OEM 統合モデルへの適合性を考慮したアーキテクチャ

運用・導入に関する補足：

本システムは既存清掃機器の機能拡張として導入可能であり、施設の衛生管理方針および内部規定に基づく運用を前提とした技術的選択肢として位置付けられます。