



DABBER™ Oil Applicator System

Controlled Oil-Handling Hardware for Structured Use Programs
OEM / White-label / Brand programs





Contents

01	What DABBER™ Is
02	Where It Fits
03	System Overview
04	Mechanical Interaction Overview
05	User Handling & Care Considerations
06	Material Pathway & Build
07	Mechanical Output Characteristics
08	Filling & Processing Integration
09	OEM / White-Label Customization
10	Manufacturing & Quality Approach
11	Use Boundary & Disclaimer
12	How to Work With Us

What DABBER™ Is

DABBER™ is a reusable mechanical dispensing applicator designed for controlled and repeatable output of concentrated and specialty formulations.

The system supports consistent handling of viscous and semi-fluid materials and is suitable for brand integration and OEM programs.

VDHtech provides dispensing hardware only.

Key benefits

- Repeatable mechanical output behavior (mechanism-defined, not substance-defined)
- Clean, enclosed tank handling with replaceable glass reservoir
- Inert material pathway options (zirconia + glass)
- Brand-ready: OEM / ODM / packaging
- customization

Production-supported: stable supply, QC-ready, export experience



Where It Fits

DABBER™ supports brand programs and production workflows where teams need a standardized, repeatable way to dispense viscous botanical oils.

Typical program environments

Consumer packaged goods programs requiring consistent user interaction

Pre-filled or refill-based oil formats with controlled handling steps

Multi-batch production requiring stable hardware tolerance and fit

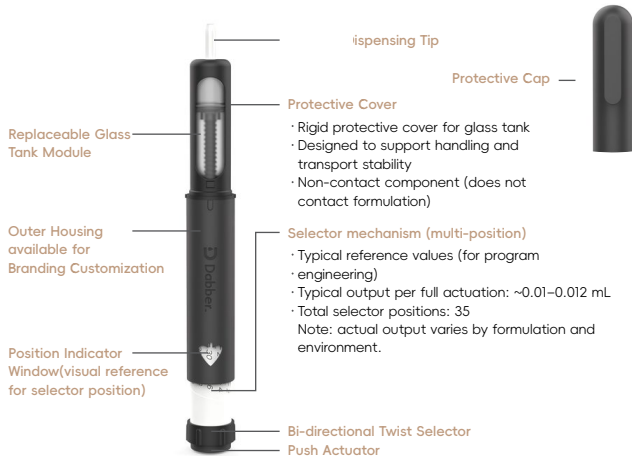
Brands seeking private-label hardware with scalable supply

Hardware only. The filling party owns formulation, claims, labeling, and regulatory classification.

System Overview

The system consists of a reusable applicator body and a replaceable glass tank module. Components are designed for repeatable fit, stable sealing, and clean handling.

Core components



Mechanical Interaction Overview

DABBER™ is designed around a simple mechanical interaction pattern intended to be intuitive and repeatable for end users.

Basic Interaction Flow

- 01 Remove Cap**
The user removes the protective cap to expose the dispensing tip.
- 02 Select Output Position**
The user rotates the selector ring to a desired marking. Each marking corresponds to a fixed mechanical displacement of the internal mechanism.
- 03 Dispense**
The user presses the bottom actuator fully. The oil is dispensed through the zirconia tip.
- 04 After Use**
The user wipes the tip and replaces the cap.

User Handling & Care Considerations



Cleaning Characteristics

- The dispensing tip should be wiped after use
- The device is not designed for washing or immersion
- The device is not intended for internal disassembly by end users



Storage Characteristics

- Store in a cool, dry environment
- Avoid prolonged exposure to heat
- Avoid direct sunlight during storage or transport



Handling Warnings (Hardware Level)

- For viscous oil dispensing applications only
- Do not use if the device housing or glass tank is cracked
- Do not modify the hardware
- Excessive mechanical force may damage the internal mechanism

Program Responsibility Note

Brand owners are responsible for:

- Warning language
- Age restrictions
- Regulatory statements
- Substance-related disclosures

VDHtech provides hardware only.

Material Pathway & Build

DABBER™ supports brand programs and production workflows where teams need a standardized, repeatable way to dispense viscous botanical oils.

Material highlights

Zirconia dispensing tip: inert, durable, high-temperature ceramic processing

Glass tank: clean reservoir architecture, suitable for pre-filled workflows

Housing options: polymer shells with multiple finish options for branding



Mechanical Output Characteristics

The selector mechanism provides multi-position repeatability based on mechanical displacement. Output per actuation is influenced by viscosity, temperature, and filling conditions.

Typical reference values (for program engineering)

~0.01–0.012 mL

Typical output per full actuation
(laboratory reference, non-specification)

35

Total selector positions

Note: actual output varies by formulation and environment.



Filling & Processing Integration

DABBER™ supports pre-filled tank workflows for brands and authorized filling partners.

Tank specifications



Quality responsibility statement

The filling party is responsible for formulation safety, compliance, labeling claims, and shelf-life validation. VDHtech supplies hardware only.

OEM / White-Label Customization

VDHtech offers program-level customization to match brand requirements and production scale.

Customization options

Logo marking laser / molded-in Housing color & finish options Cap design variants Packaging support (insert, tray, carton) Tank program alignment (compatible refill architecture)

Commercial Parameters

MOQ
1,000 units per configuration

Standard Lead time
~30 days

Sampling
available for qualified programs



Manufacturing & Quality Approach

VDHtech operates production workflows designed for consistency, traceability, and controlled change management suitable for B2B programs.

Quality approach



VDHtech does not represent certification or regulatory approval unless separately documented.

Use Boundary & Disclaimer

DABBER™ is a hardware dispensing tool only.

VDHtech does not manufacture, fill, distribute, or control any substances used with this hardware.

Regulatory classification, end-use claims, labeling, and consumer instructions are the responsibility of the brand owner and/or filling party and depend on jurisdiction.

This document provides hardware information for B2B evaluation and program development purposes only. It does not constitute medical advice or medical device claims.

How to Work With Us

Program steps

01

Requirement alignment
(format, workflow, packaging)

02

Sampling & fit check

03

Commercial terms
(MOQ, lead time)

04

Pilot batch support

05

Scale production

Contact

For B2B program inquiries only

Melody Zhou — Business Development

✉ Melodyzhou@vdhtech.com

USE BOUNDARY DISCLAIMER