

DAESUNG BRAND STORY



SMART HIVE COMPANY INTRODUCTION



Experience the easy and convenience beekeeping system
with daesung smarthive

01. VISION

The Best Automated Equipments and System in Apiculture 🏠



02. MISSION

DAESUNG prepares the future that better life through Apiculture.

DAESUNG has been conducting beekeeping research and development under the brand SMARTHIVE. DAESUNG has been concerned that how to work in a more convenient way with beekeeping.

DAESUNG aims for easy beekeeping.

DAESUNG's engineers have an experienced in beekeeping and they keep trying to make improvements on the product benefiting everyone.

We would like to showcase various beekeeping automation machine products, starting from the equipment "Hive Controller"

We are doing our best for the development of the automated beekeeping equipment and system.



03. SERVICE

We provides the development and production the technology, design the product, marketing, and consulting of beekeeping that you want to.



DAESUNG has work hardly that to export to world's market not only domestic by join the program with Public Procurement Service and selected the Global Trade Company by Korea International Trade Association.

The HIVE CONTROLLER got the 2021 CES Innovation Awards Honoree in Robotics. DAESUNG is engaged in various fields for the development and distribution of unmanned automation systems such as product development, manufacturing, technology transfer, design, branding, consulting, and distribution network establishment. It is gradually pioneering.

If you want to share DAESUNG's vision and technology, please feel free to contact us.

04. HISTORY

2016~2021

CES 2021 Innovation Awards Honoree in Robotics

Selected as 6 R&D by the Ministry of Science and Technology Information and Communication by the Small and Medium Business Technology Information Promotion Agency

Awarded 9 cases including the Minister of SMEs and Startups Award at the National Invention Competition

8 patent registrations, 1 patent application, 2 PCT applications, 1 overseas registration, 13 overseas applications, 21 trademark applications

2016

Founded with the goal of unmanned automation of beekeeping and agricultural smart farms through robots and automation systems

2018

Venture Business Confirmation, Annex Research Institute Confirmation

2019

Selected as innovation product from Public Procurement Service

Selected as Jeonbuk representative to participate in MWC in special R&D zone

2020

Established SMARTHIVE INC, a branch office in the US

Selected as a promising export small business in Jeonbuk

Selected as KOTRA Global Jump 300 Company

Selected as a promising company to enter the overseas procurement market (G-PASS company)

Ministry of Science and Technology Information and Communication
K-GLOBAL@Silicon Valley K-PITCH (English IR)

Selected as a priority purchase recommendation business for excellent inventions by the Korea Invention Promotion Association

New technology (NET) certification by Ministry of Agriculture, Food and Rural Affairs

2021

Selected as a global IP star company

Green technology certification and green technology product verification

Selected as KOTRA's overseas public procurement leading company fostering business

Excellent patent-based innovative product designation project-Selected as a recommended product by the Korean Intellectual Property Office (Public Procurement Service)

Selected as Korea representative at SXSU pitching competition in Texas, USA

Participated in the 4th AgriWeek in Osaka, Japan

Participated in the Korean Pavilion at the Hannover Industrial Fair in Germany [HANNOVER MESSE 2021]

WORLD IT SHOW 2021 - CES PR Hall, Minister of Science and Technology, visited the company's booth and demonstrated products

Participated in the "Innovative Product Experience Center" at Lotte Hi-Mart CES (Seoul Lotte World Mall Jamsil Branch)

MOU with the Ministry of Agriculture and Forestry (MOA) of Ethiopia for demonstration testing and technical cooperation

SMARTHIVE PRODUCTS



PRODUCTS

Experience innovated and automated
beekeeping system

01. Hive Controller 02. Automated Beehive Gate 03. Hornet Guard 04. Hornet Trap

01. Hive Controller

Extracting, Brushing and Stacking in single process.

The HIVE CONTROLLER is a product that can be easily used by anyone, from beginners in beekeeping, to non-professionals with insufficient expertise.

The HIVE CONTROLLER checks the condition of the honeycomb before collecting the honey, extracts the honeycomb from the beehive and automatically brushes the bees safely and loads them outside.

The HIVE CONTROLLER helps simplify complex work steps and compatible with various sizes of beehives around the world.

Features

- HIVE CONTROLLER weight is as light as lifted with one hand.
- The brushes (bee brush) attached to the HIVE CONTROLLER is each to put on and take off and can be cleaned at any time.
- One-person operation can save labor costs.
- To perform the operation working time per beehive is about 1 minute.



02. Automated Beehive Gate

Automatic, easy and smart control.

Manage & Control the temperature and humidity is very important. The bees are sensitive to react with the temperature & humidity. If the inside of beehive gets dry, there has lot of problem exist including the bee's larva can't grow well.

It is possible to monitor and control the condition of beehives in real time through the application for beginners in beekeeping or farms that manage a large number of hives.

Beehive management can be done conveniently.

Features

- Control & Manage Automatically
- Compatible with flowerpot pickers and water Supplier
- Automated blocking the enemies (optional)



03. Hornet Guard

hornet guard automatically closes the beehive gates to prevent damage.

The HORNET GUARD selectively detects and kills only hornets that damage the hive using vision technology.

Easy to install, manage, and maintain. Even if you do not reside in the apiary for 24 hours due to hornets, you can use your smart-phone or PC to generate an alarm when detecting the danger of hornet in the apiary. You can check it through.

It is a product made by dividing into several devices so that it can be used in an outdoor environment with a lot of variables, so that you can check the image and change the advanced work to improve system performance in the future.

Features

- Reduce working time with automatic detection system
- Selective hornet detection using vision technology
- Convenient from installation to management
- Minimize hornet damage with alarm confirmation



04. Hornet Trap

Easy maintenance. It doesn't need a attractant.

This is installed at the entrance.

Honeybees in and out by dedicated safety passage.

The hornets that followed the honeybees are blocked by the trap, and depending on the characteristics of the hornet, it is induced into a hornet passage and trapped in a isolation space.

Hornet capture rate at the entrance of beehive is more than 95%.

Features

- Easy installation and removal.
- Easy maintenance.
- Semi-permanent.
- Eco-friendly.
- Scalability.

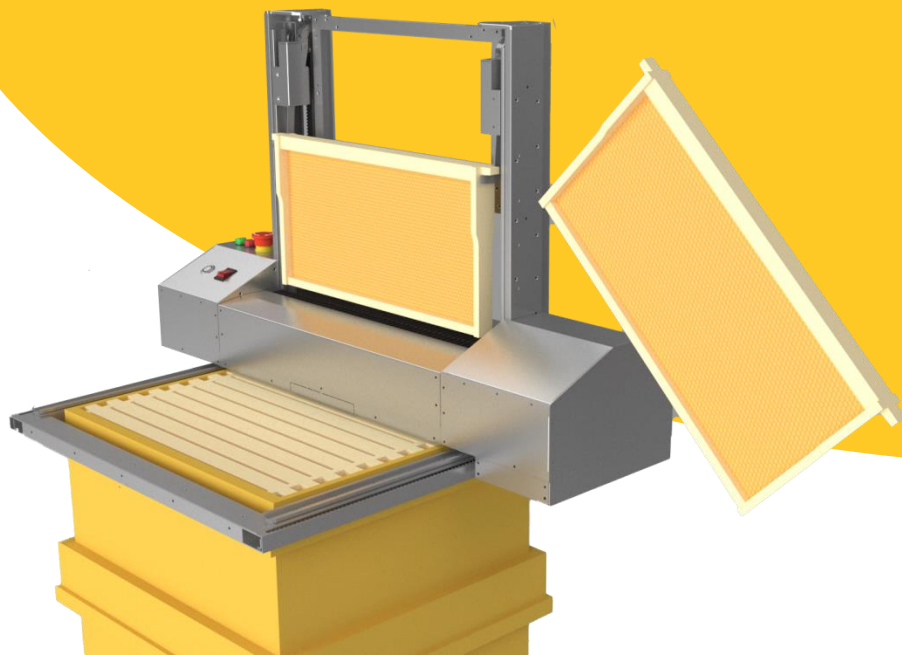


Thank you!

Experience the easy and convenience beekeeping system

with DAESUNG | SMART HIVE

The Best Automated System of Apiculture



SMARTHIVE SYSTEM

Beehive and bee management is one of the most important factors in beekeeping. Beehive and bee management will determine the success or failure of the beekeeping business.

The SMARTHIVE SYSTEM controls and checks the temperature and humidity of the beehive, and helps you to easily manage the internal and external environment of the beehive through CCTV streaming service and so on.

With systematic management, the SMARTHIVE SYSTEM will help improve the quality and quantity of beekeeping products (honey, propolis, royal jelly, etc.).



Introduce the **SMARTHIVE SYSTEM**
for healthy and sustainable
apiary management.

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