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Korea's Daesung SmartHive launches novel apiculture device to cultivate pure honey

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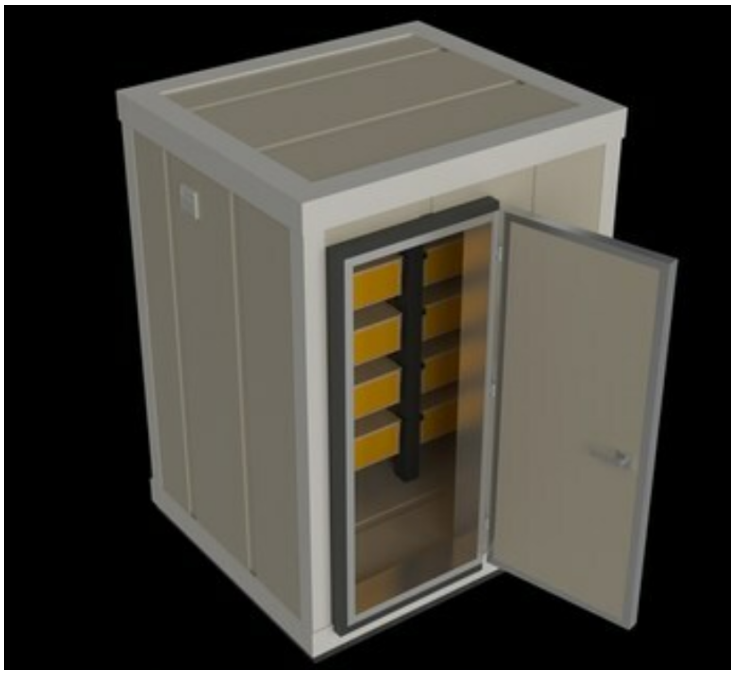

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Korea's Daesung SmartHive, has launched a innovative honey collection unit to strengthen the apiculture industry. The innovative Plasma Ozone Storage has a built-in eco-friendly technology that provides advanced sterilization, disinfection and odor removal impacts from the honey collected from natural sources. The innovative product is designed to eliminate bacteria, viruses and harmful substances from the honey by trapping the impurities outside the hive.

Plasma Ozone Storage and Wasp Trap were installed in various bee farms in Korea, including North Jeolla, North Gyeongsang and Gangwon, for empirical testing. By reducing labor time by 50%, the Hive Controller allows Korean beekeeping farms to extract honey in its purest farm.

Weasel traps are another environmentally friendly product that use no attractants, such as separately fermented liquid. The device is placed at the hive's entrance and plays with the habits of the wasps that follow the bees. Through the passage of

bees in the trap, wasps are caught in the trapping surface, allowing bees to freely and safely enter the hive. In addition to reducing the labor and other costs of wasp control, this technology reduces the need to be present at the apiary to manually remove wasps.

A handheld smart beekeeping system, the Hive Controller, can be used to safely remove honeycombs from hives, brush bees, and stack combs outside the hives. With this product, honey extraction is more convenient and efficient because it weighs only 9 kg, is non-corrosive, and can be used by a beginner alone. Furthermore, it can be used in all hives of the same width, regardless of size. For power supply, an adapter and battery (optional) can be used.

Daesung SmartHive has also signed MOUs with companies and research institutes in the US, Spain, UK, Uzbekistan and Africa to enter the overseas market. Daesung SmartHive will showcase its products at domestic and foreign agricultural equipment fairs to expand its reach and continue to offer innovative solutions to the agricultural industry. Daesung SmartHive's new products are expected to provide significant benefits to the livestock and beekeeping industries, making these operations safer, more efficient and more profitable.