

The SMART PAN

One design for everyone.

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| WHY THE **SMART PAN?**

— One design for everyone

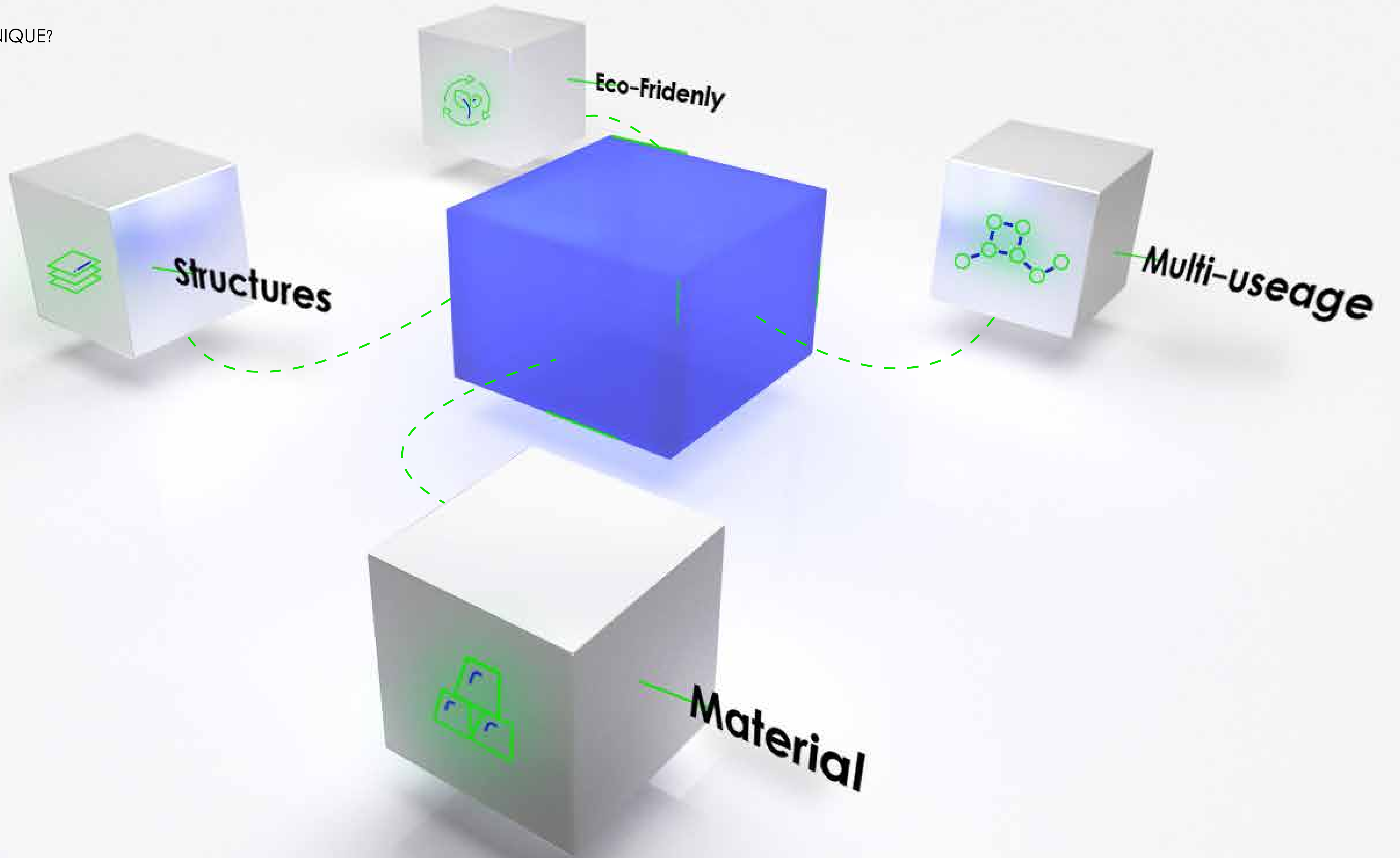
Depending on the industry you are in, you might find one system is more suitable for you than the other.

In further research, the pan could be used in various different fields and industries, because of the novel material we use and our well-designed structure. The pan is a storage system that is doable, and convenient for transportation.

The pan are economical and practical solution in the future.



| WHAT MAKES **SMART PAN** UNIQUE?

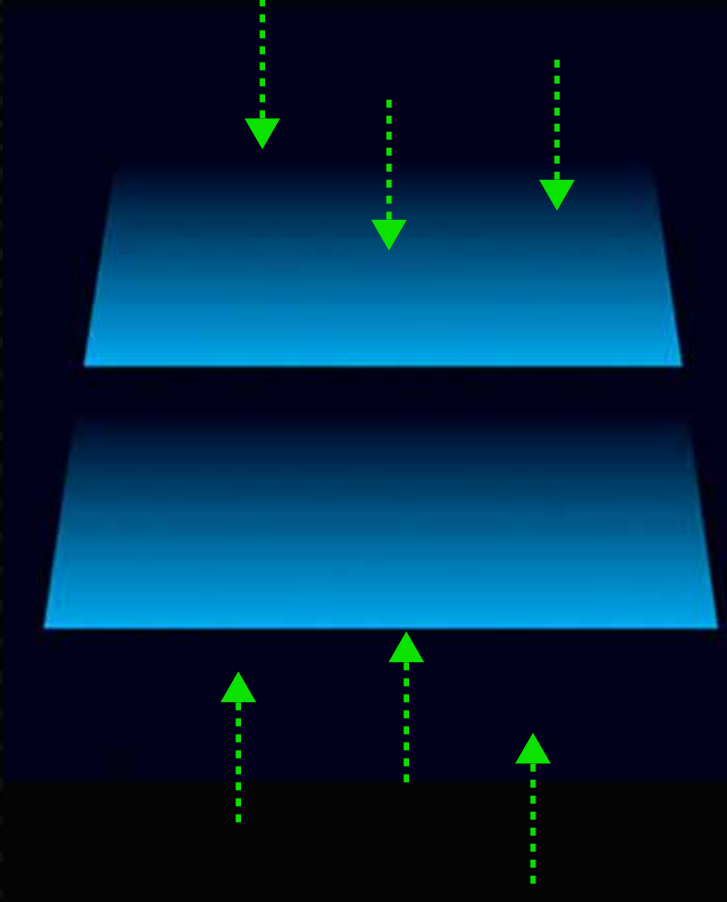


| WHAT **MATERIAL** SET US APARTS FROM THE OTHERS?

FIBERGLASS REINFORCED SMC

5X

Long Durability



10X

Weight Capacity
&
High Ductility

8X

Heat Resistant
&
Cold-Resisted
*UV Resisted

2.8X

Acid-Proof
&
Alkali-Proof



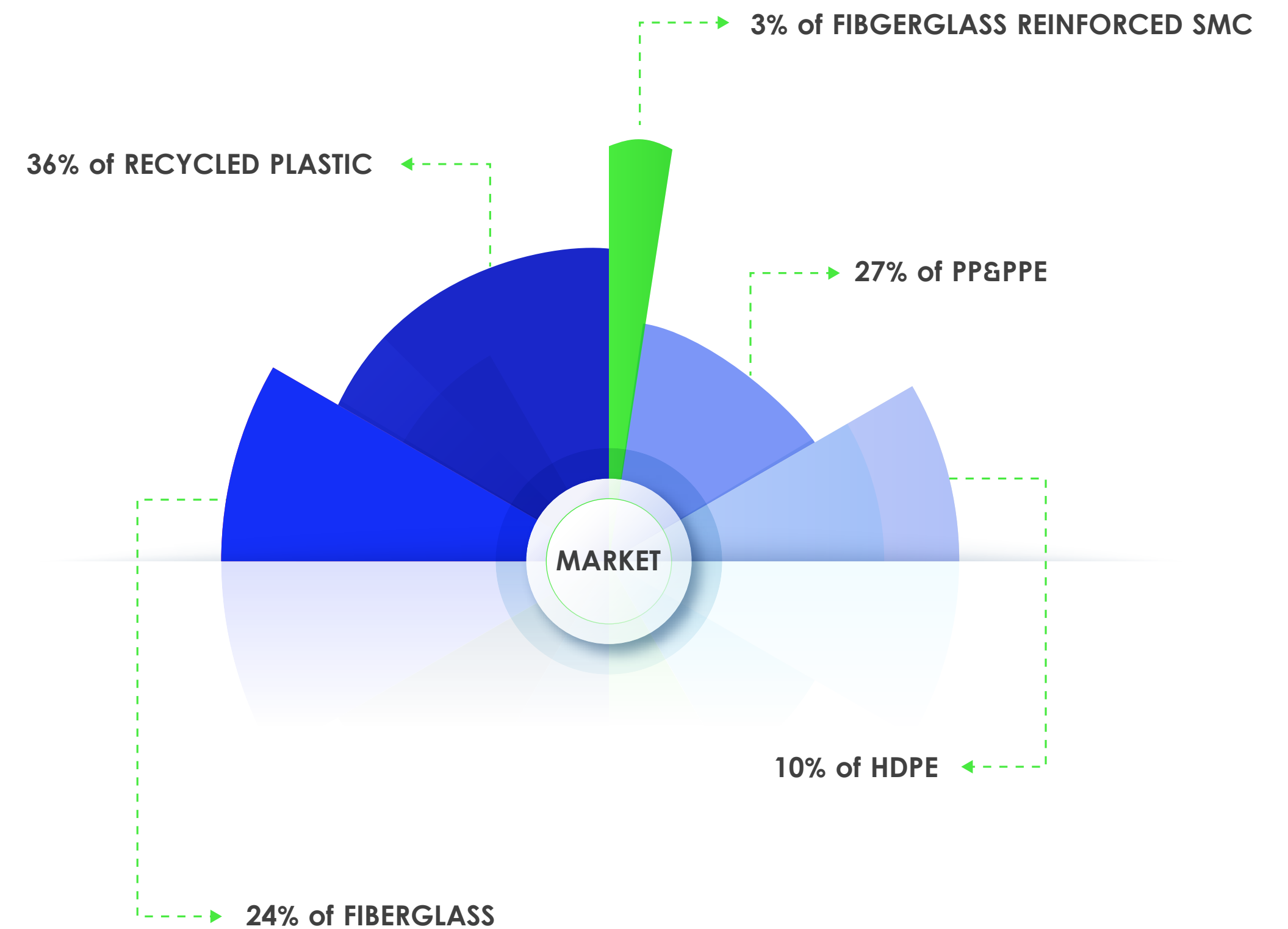
MATERIAL

The pan is designed to benefits the convenient of transportation, and it is a durable storing system.

Advantages of the pan

- UV resistant, can use in greenhouse environment where plastic pans will breakdown with UV exposure
- Each pan can bear weights of 500kg on top of its edge with no additional support
- Will not break when dropped from 2m height with fully loaded material
- Heat resistant, can use flame to sanitize the surface
- Very strong, Weight Capacity & High Ductility
- Smooth surface, easy to clean
- Non-toxic

FIBGERGLASS REINFORCED SMC compares with other materials on the market



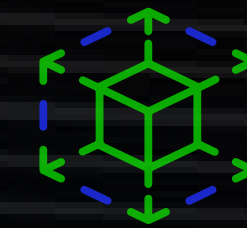
| WHY OUR **STRUCTURE** IS SMART?

STRUCTURE

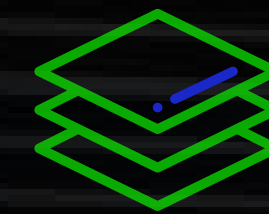
Side to side
972mm



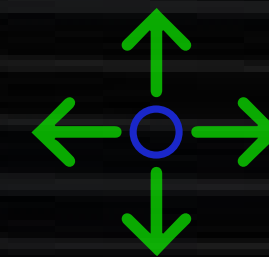
Pan to Pan
160mm



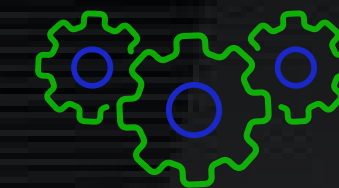
Enhance
Space Utilization



Smart
Structure Design



Strong
Mobility



Easy
Assembled

THE PAN

01 Depth of Pan

The depth of the pan is 120mmH, it increase the volume of material it can contain.

02 Capacity

Large surface area to store more.

03 3 M4 Screws to secure

Each side of the pan has three M4 size Nylon flat head screws to secure the legs to the pan.

04 Rounded Corners Design

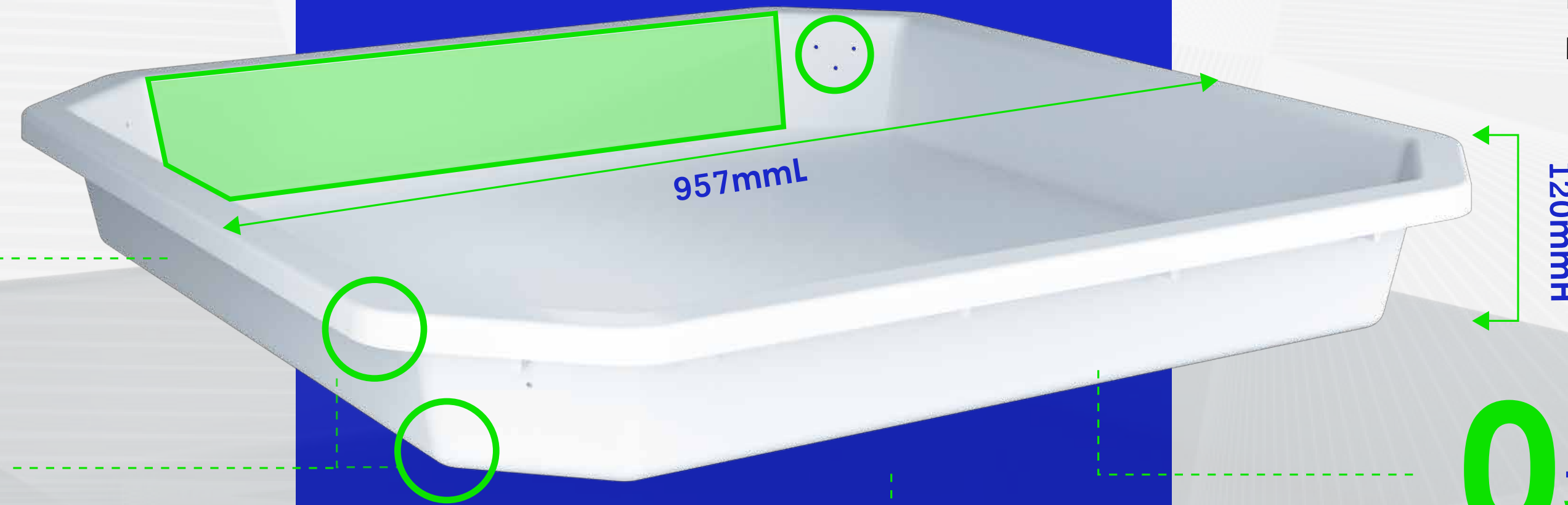
All around rounded corners design is fine to prevent workers from getting injury. Most importantly, the inner rounded corners design is allows full range of disinfection no dead ends.

05 Thickness (5mm)

The pan is very thick compares to other plastic-made tray on the market. It will not break when dropped from 2m height with fully loaded material.

06 Smooth Sureface

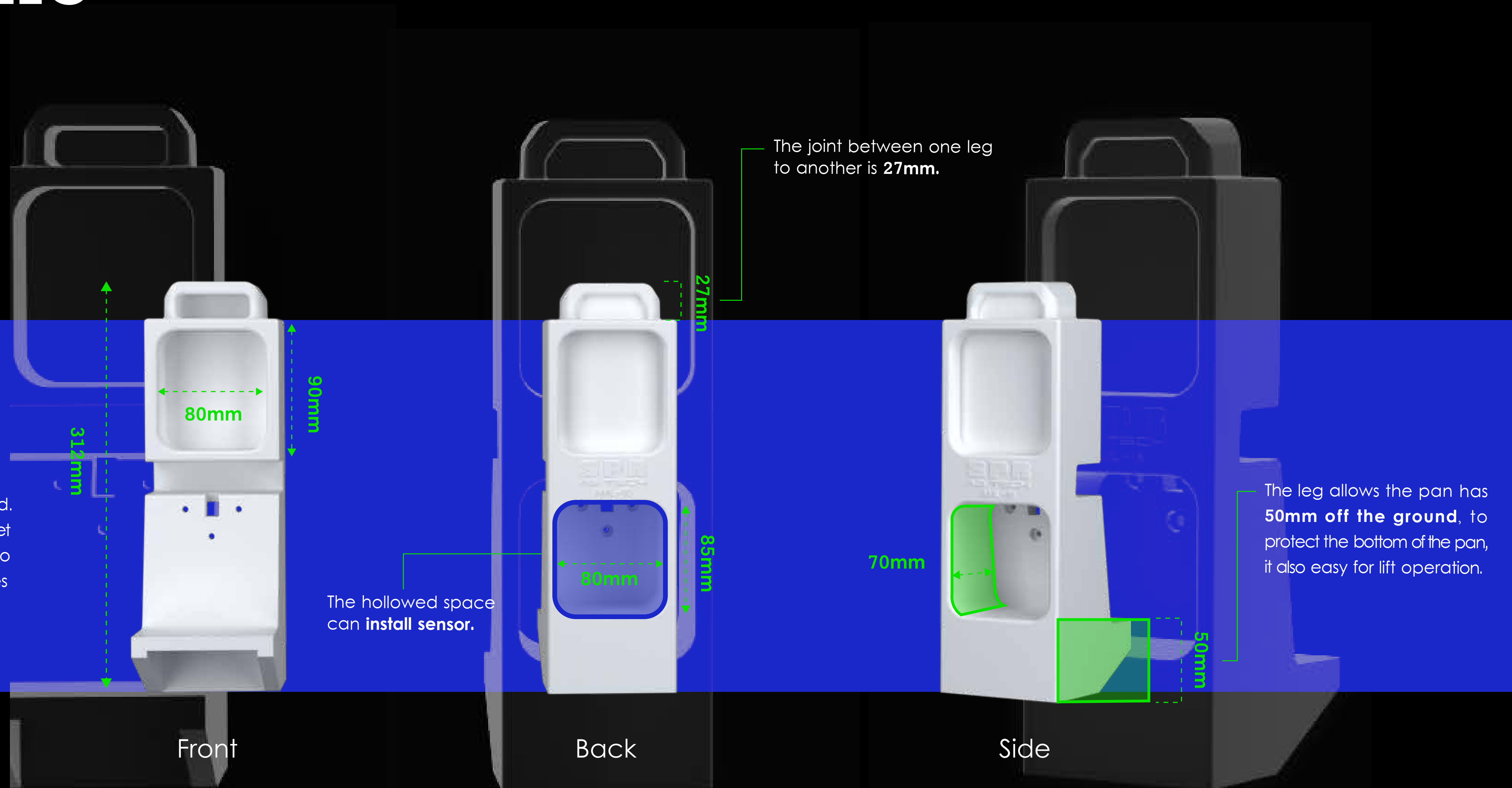
Non-stick surface is easy to clean.



THE LEG

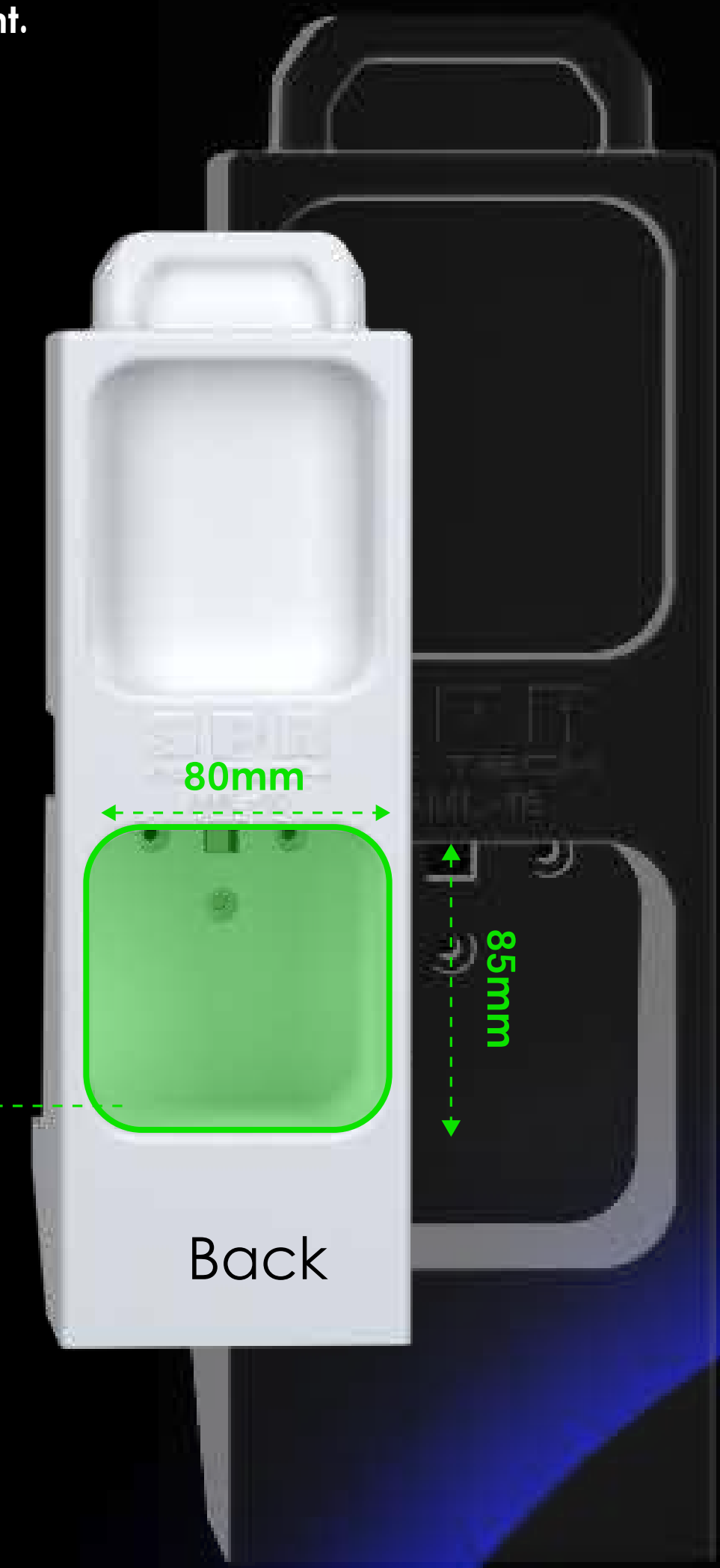
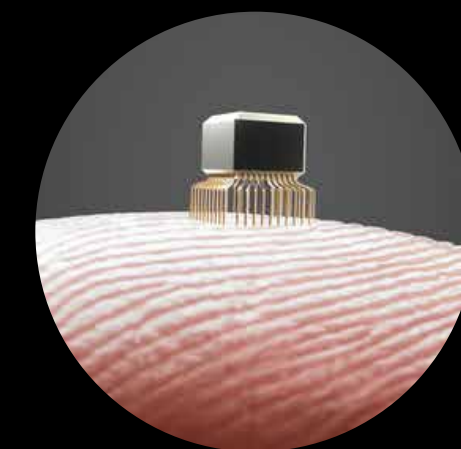
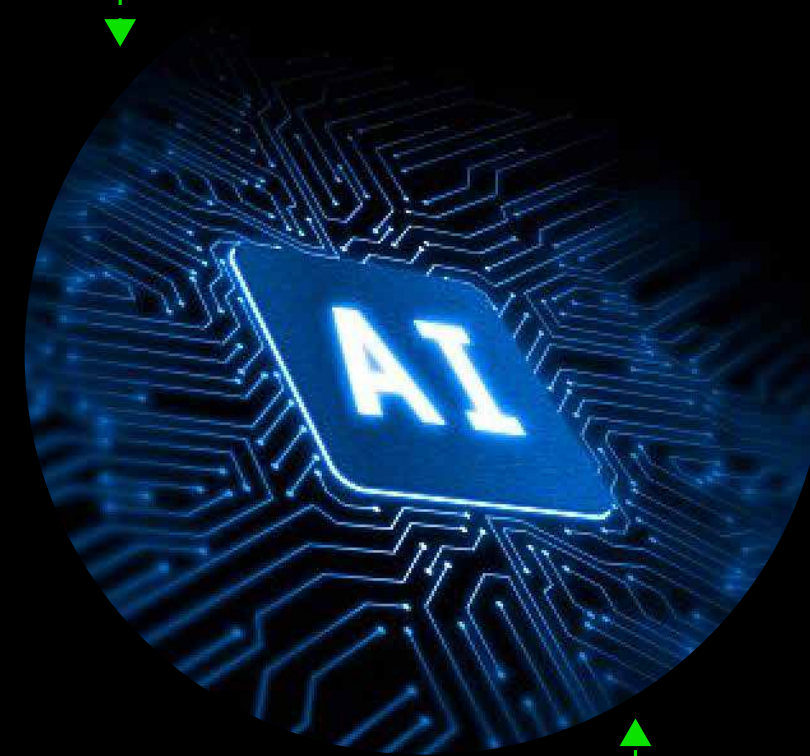
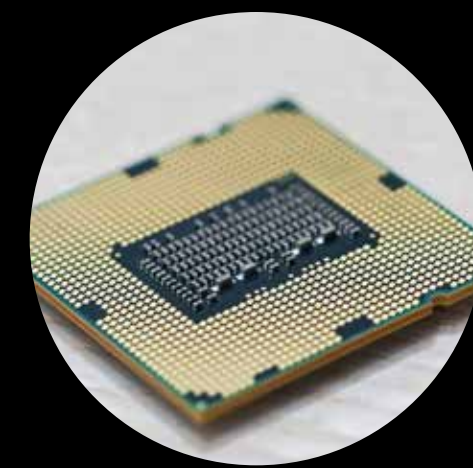
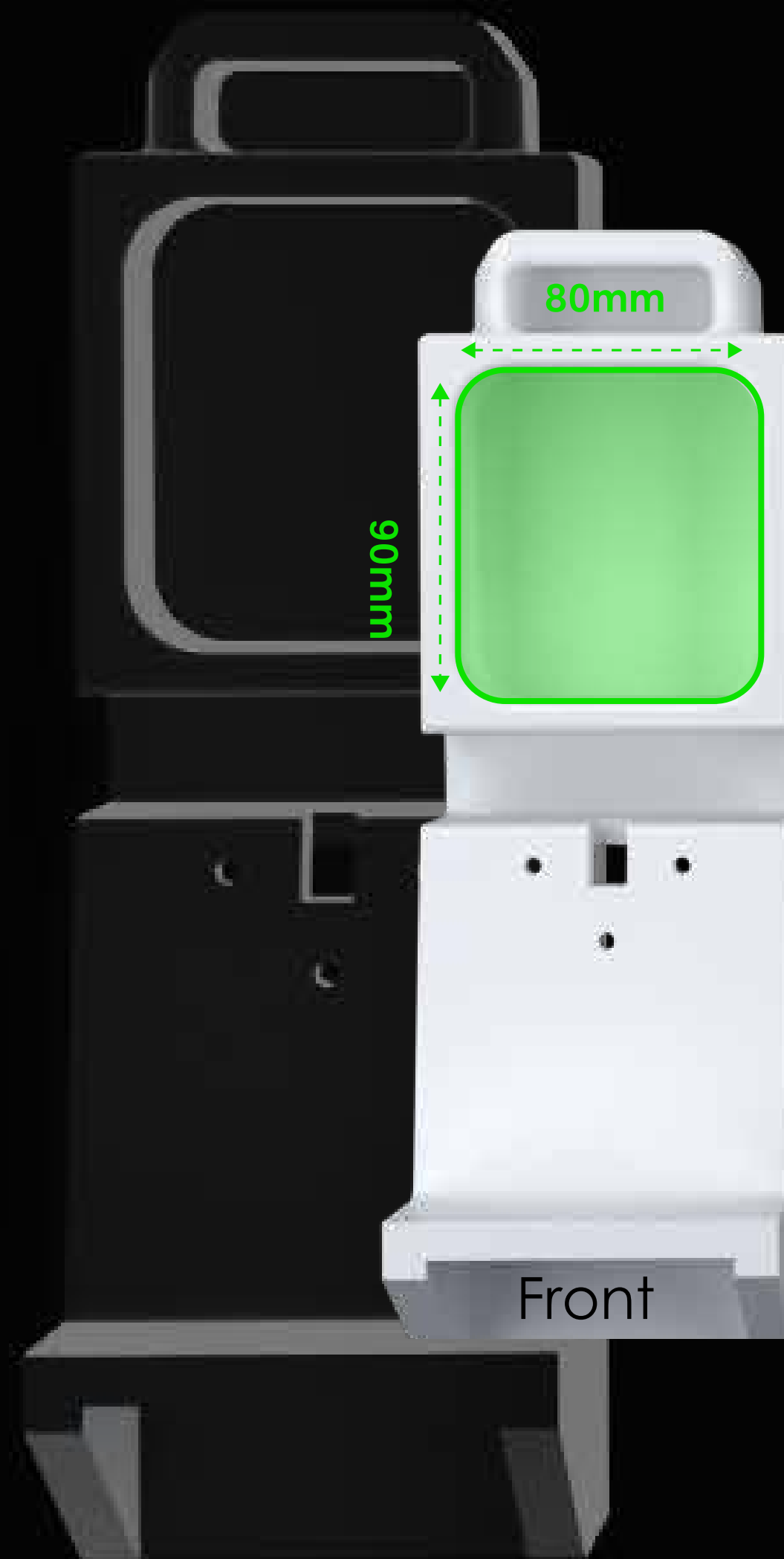
The Legs give the pan support

Racks are no longer needed. The legs and the pan are a set that comes together, in order to simplify operation and makes operation safer.



Smart pan for the future

It is a huge trend to use high-tech agriculture techniques to improve production output, and exploit sensors and other IoT technologies to create a more efficient operation. Our pan is designed to reserved for potential smart agriculture developement.



As long as the sensor **smaller than 80mmLx80mmHx50/70mmTHK** could install inside the hollow space

Customized Color

We can do customized color if needed.



Butter
Yellow



Lemon
Yellow



Ruby
Red



Daisy
White



Emerald
Green



Cobalt
Blue



Stone
Gray



Ink
Black

**House
Gardening**



Aquaponics

**Insect
Rearing**



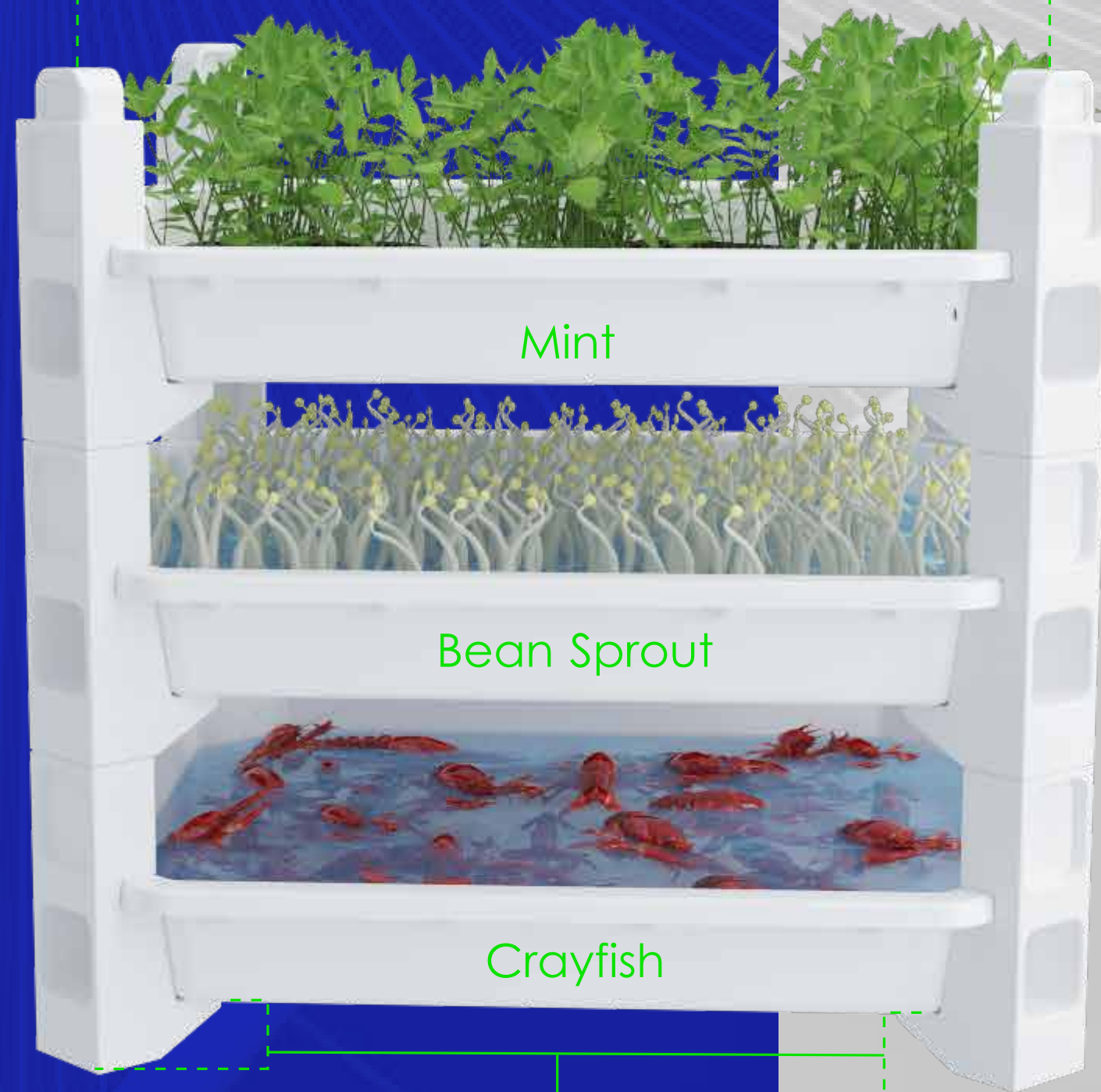
**Microgreens
Production**

General Storage



HOUSE GARDENING

*Can stack 20 layers when needed



Mint

Bean Sprout

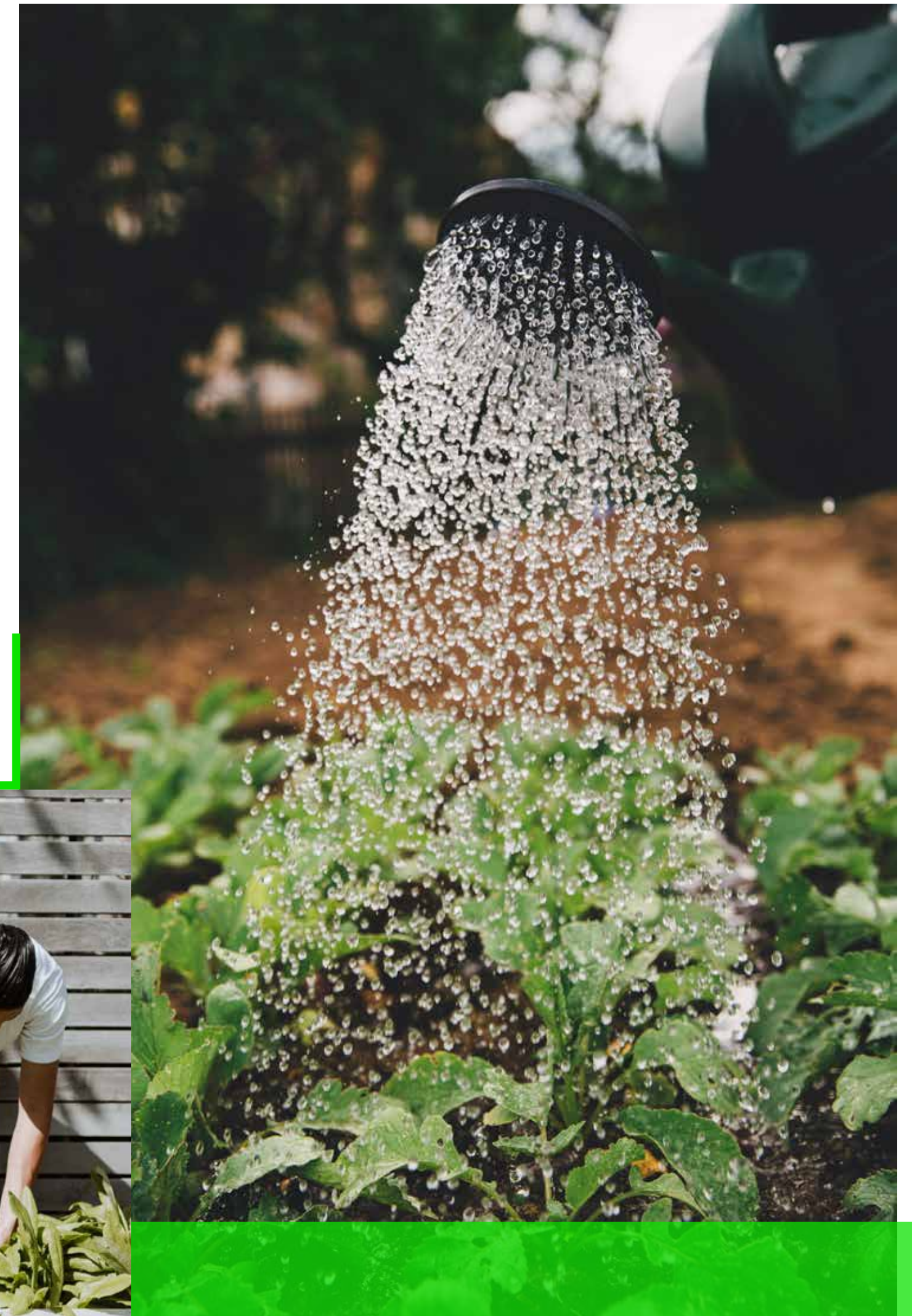
Crayfish

*The stilt above the ground could eradicate pathogen and hygrophile bacteria invasion in a great extent. At the same time, the material contained inside the pan will not be affected by ground temperature

Bring nature to your own home

Million of households worldwide own gardens, not just to grow plants, but to grow vegetables and fruits. Growing your own food is a trending now, it is not only a way to live a sustainable life, but also a healthy life.

- Easily installation
- Minimal maintenance cost



AQUAPONICS



- Easily Control Unit
- Can easily standardized in commercial level
- Automated system available
- Easy for transportation



Nothing goes to waste

Aquaponics is the cultivation of plants and aquatic animals in a recirculating environment.

In aquaponics system, fish eat the food and excrete waste, which is converted by beneficial bacteria to nutrients that the plants can use. Aquaponics production would normally place in tanks, but the problem with tank is that it is very heavy and not easy to move around, hard to clean, and material use of most tanks on the market are not as good as the pan. The pan is highly qualified for standard aquaponics production in multiple ways, such as the capacity, thickness, easy for transportation, easy to clean, and most importantly the pan is very durable.

INSECT REARING

Enhance quality from the begining

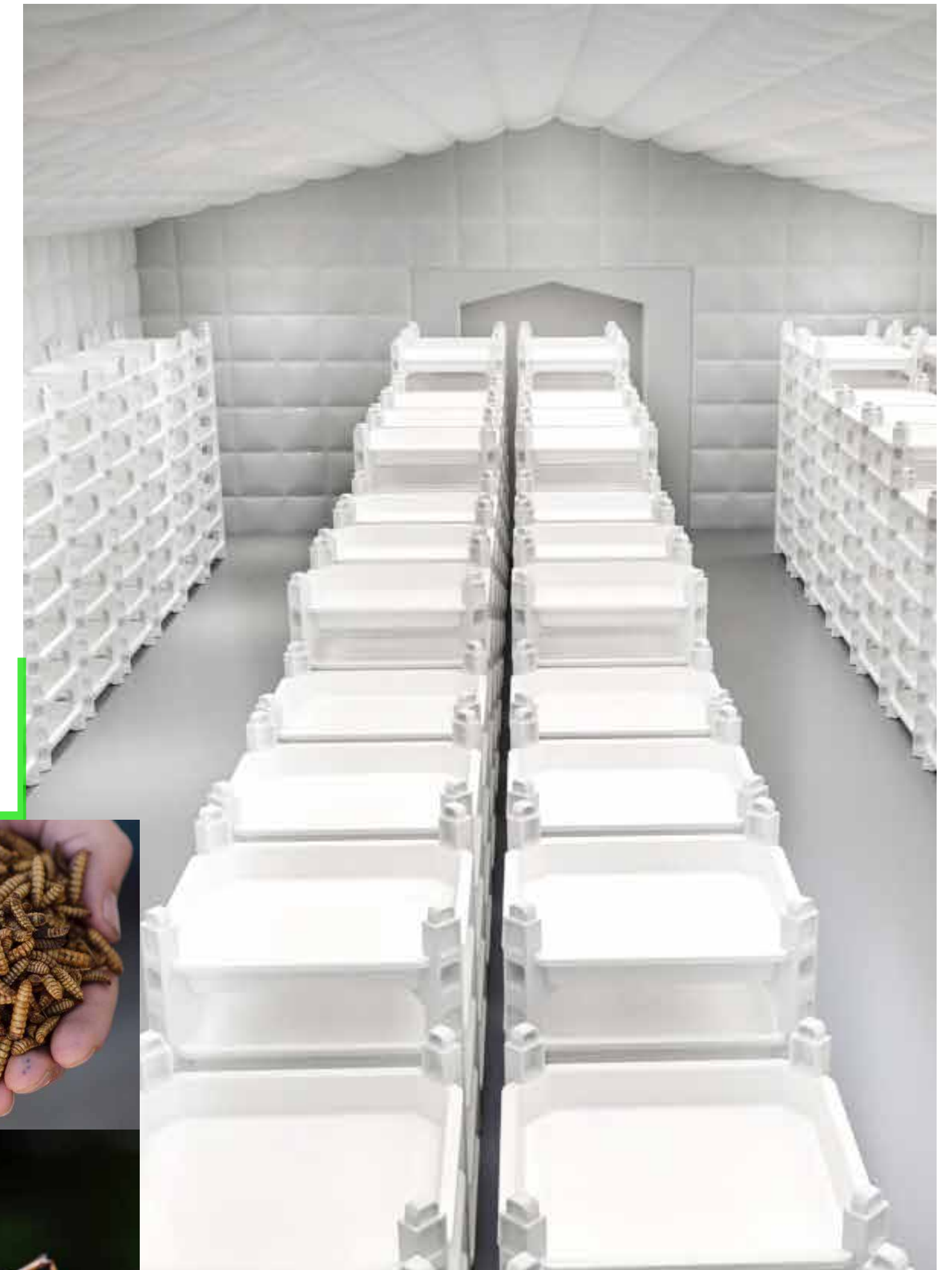
There are countless of different products in the market in insect breeding (mealworms, BSF, buffalo worms, and flies, etc). However, SPR AG Tech designed a high degree of standardization tray – the Smart Pan to accommandate different insects in the market.



Black Soldier flies rearing

*There is enough of operational space between pan to pan

- Easily Control Unit
- Can easily standardized in commercial level
- Automated system available
- Lower chance for mass population wipe out because of the separation
- Able to harvest larvae at a different life stage
- Production capacity could be estimated based on the counts of the pan



MICROGREENS PRODUCTION



- Enhancing efficiency in utilization of limited space
- Reduce medical plastic waste such as container



Novel material for better use

Microgreens have steadily gained popularity year after year. Microgreens is containing higher nutrient levels than more mature vegetable greens. The way microgreens grow is required high quality equipments, such as the pan. The pan we designed is non-toxic, and it has a lot of other good qualities that makes the pan suitable for microgreens production.

Since the pan is easy for installation and microgreens are very convenient to grow, as they can be placed in a variety of locations, including outdoors, and in greenhouses.

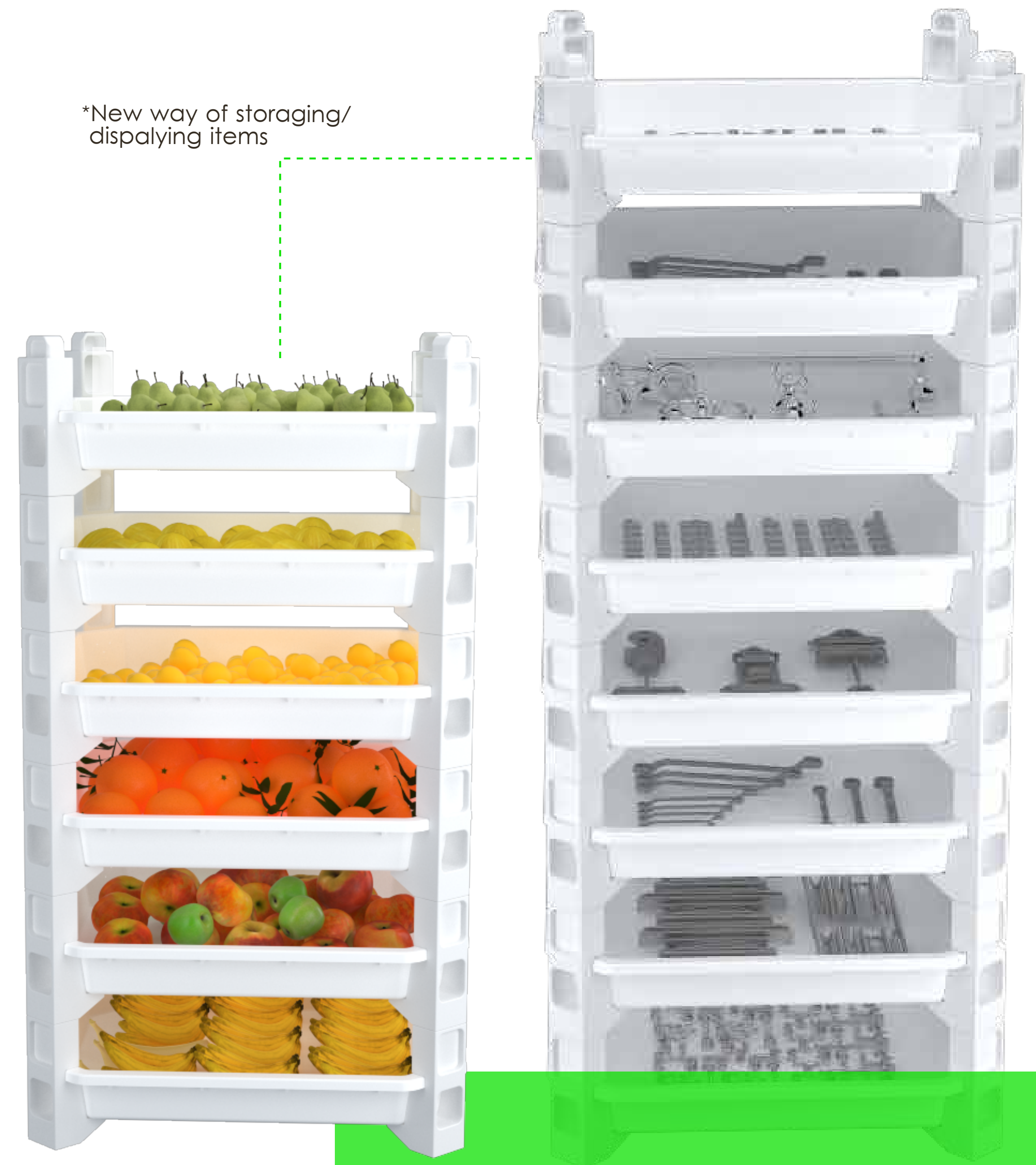


GENERAL STORAGE

Optimized storage & Display space

One of the biggest advantages of using the pan is to make full use of existing space of yours. The pan could save up more storage space in limited space.

- Easy to clean
- Enhancing efficiency in utilization of limited space

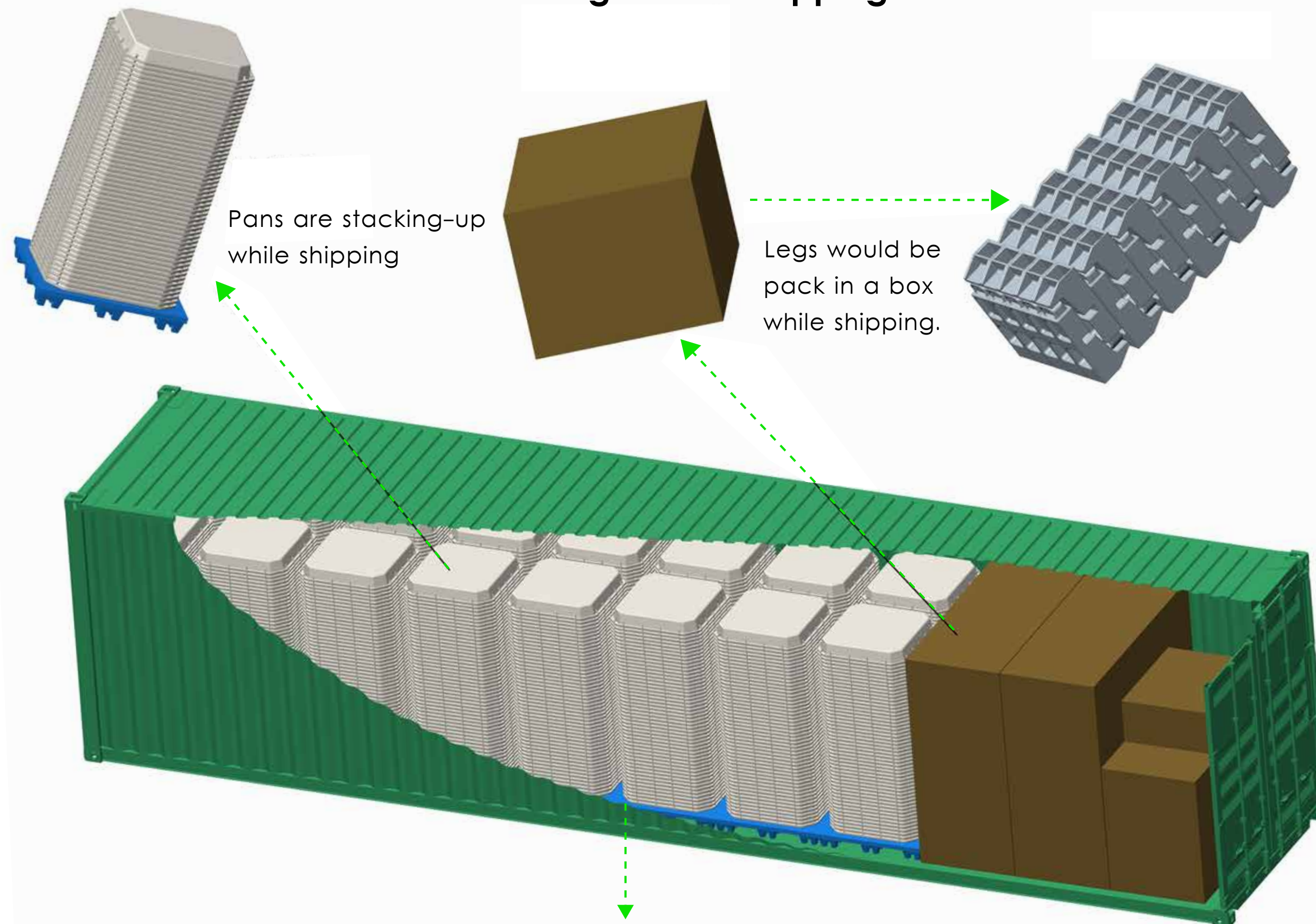


Effective Transportation

We offered an effective way to ship pans to you.

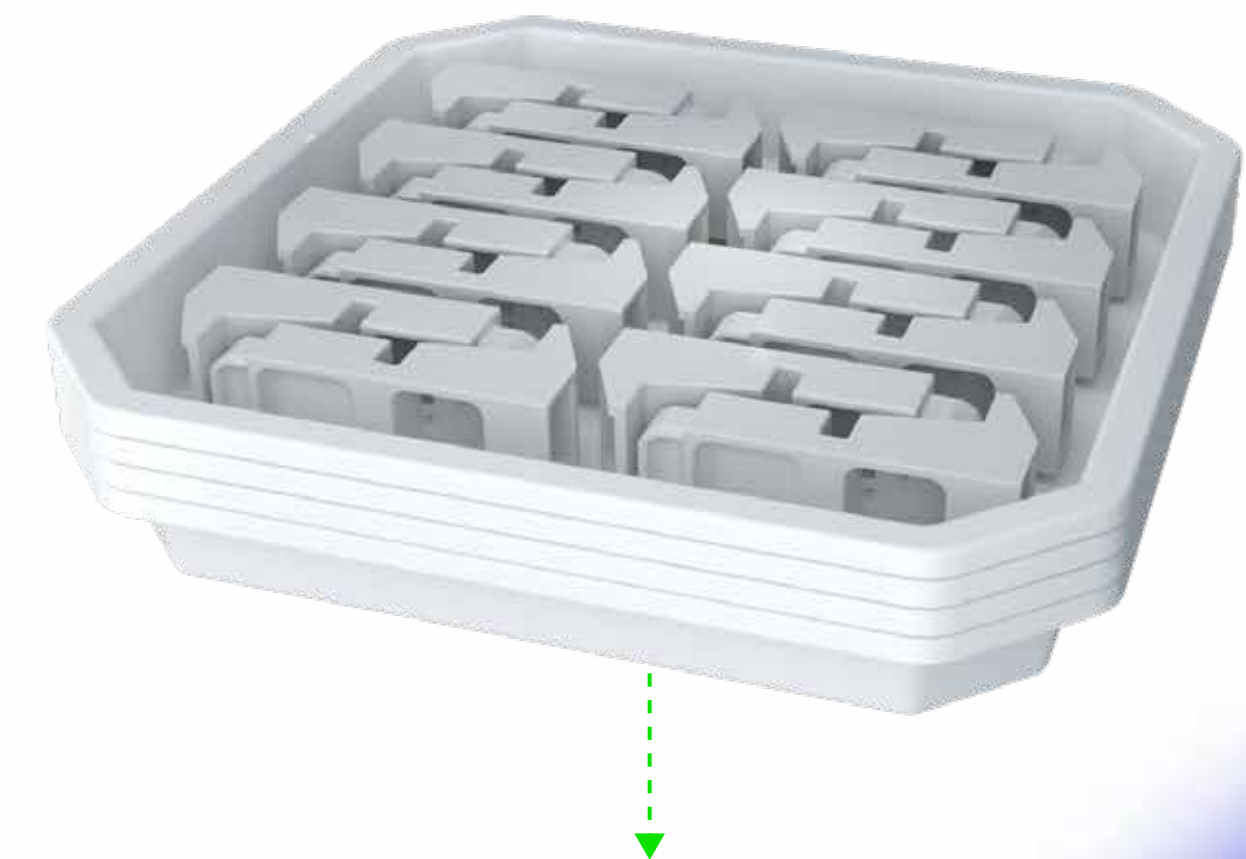
The pans and legs are pack separately, but come as a unit when ship to you.

■ Large order shipping



Large order would use container to ship the pans. All the pans would place in the front, then all the legs pairs with the pans would pack in boxes on the back. (See demonstration above).

■ Small order shipping



For smaller order, we would stack a amount of pans together, then place right amount of legs in the top pan (See demonstration above).

Current applications

SPR AG Tech is powering the sustainable development joining efforts with an important network of partners to ensure the maximum high degree of standardization multifunctional pan.

Join us as a hardware partner, connectivity provider, solution partner, or distributor.

10 Countries

20 Partners

12 Distributors



— ECO-FRIENDLY

**The world is committed to the cause of sustainable development,
We are also contributing in a special way...**

■ The durability of the pan could reduce quantum of plastic waste around the world

■ The less plastic waste, the less pollution we produce

■ It helps to ensure a bright future for the future generation.

■ It helps with environment conservation

What's the Wait?

Access to quality life now and the future



One design for everyone.

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