



smart **carà**

Blade X
NEW 2025 model
Semi-professional food waste fast dryer



MARES unique products collection

We have a unique product range and several brands.

We stand out thanks to our ability to adapt to our customers, products and markets.

This is the idea behind the MARES logo, which includes all the colours of its unique collection, inspired by the elements of nature:

- Light blue for AIRA products (plasma filters, long-life universal filters, air purifiers...),
- green for EARTH products (Food Waste Dryer),
- blue for WATER products (E-waterblock and Alpwater),
- red for FIRE products, but also the institutional colour of our company.

We are always the same and yet always new and different.

For more than 40 years, we have been bridging the gap between the market and the products.



smart cara

Today, food leftovers create problems of unpleasant odours, hygiene, space and cost.

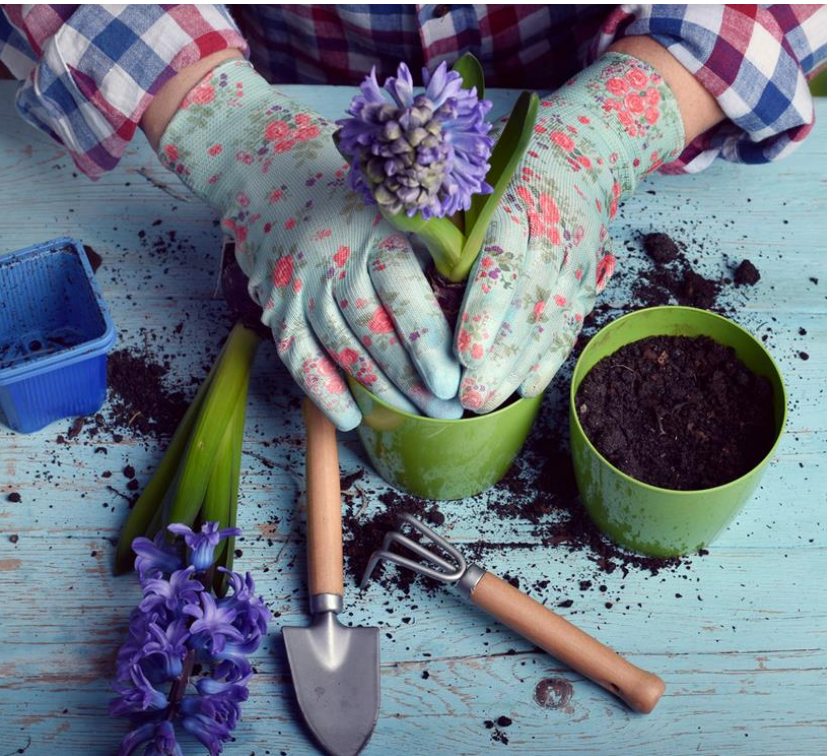
The SmartCara Food Waste Dryer solves the problem of food waste at the source.

All you have to do is place your food waste in the appliance's bucket, press the ON button and in a few hours, you will have a dehydrated powder that you can use to feed your plants!

Recycling starts at home, on your doorstep.

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SOLUTION NOT POLLUTION !



Our kitchen scraps contain important substances and minerals that are very useful for our plants to stay healthy and grow luxuriantly, without using chemicals and maximizing the concept of recycling, and without any smell!

Recovering these elements is very simple: kitchen scraps are in fact perfectly capable of providing everything our plants need, such as potassium, nitrogen, iron and magnesium, phosphorus, calcium and sulfur.

Not only! Some citrus fruits help to increase the acidity of the soil as on the contrary eggshells, bicarbonate and ash are very useful for lowering it!

Treatable items:

- Fruits
- Vegetables
- Pasta and rice
- Potatoes
- Starches
- Bread
- Fish and fish shells
- Meat
- Chicken/Turkey/rabbit bones

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RECYCLING & SUSTAINABILITY



SmartCara **BLADE X** is the new 2025 model from the South Korean manufacturer that was the first to introduce domestic food waste dryers more than 10 years ago.

BLADE X is designed for semi-professional use in Bed & Breakfasts, bars, company canteens or large families with a cycle capacity of 4 litres for a maximum daily capacity of 8-10 litres of food waste.

An innovative fast drying process that, thanks to a simple thermo-mechanical action, transforms organic waste into dry output in just a few hours, reducing the weight and volume of the original waste by up to 90%.

The Revolutionary Breakthrough



The dream of adventure and freedom is to live and travel by boat, moving through the heart of an unspoilt natural environment without setting foot on land for days on end. Sailing is an eco-friendly experience, from waking up to the sounds of the sea to having breakfast in the cockpit. However, you also have to consider the disposal of waste, particularly organic waste, which is inevitably produced on board. Waste management and disposal at sea are internationally regulated to prevent marine pollution, and these regulations also entail management plans and high costs.

Today, food waste generated on board can be disposed of and reduced in a sustainable manner thanks to SMART CARA BLADE X, the latest generation of organic waste dryers. These transform waste into a sanitised, odourless powder, thereby improving quality of life at sea and enabling a more self-sufficient and hygienic life at anchor.

The perfect ally on board



In today's hospitality sector, every detail contributes to the guest experience. Hygiene, comfort, sustainability and operational simplicity all make a big difference.











For those running B&Bs, farm stays, holiday apartments and other small-scale accommodation, issues such as infrequent waste collection, unpleasant odours, torn bags and bins left out in the open can be critical. The situation is further complicated for establishments located in historic city centres with restricted traffic, ancient villages with difficult access, or in mountainous and isolated areas where waste disposal logistics are arduous, often irregular and very expensive.

In such cases, the ability to independently manage organic waste within the establishment itself becomes a major operational advantage and distinguishing feature of quality hospitality. The SMART CARA BLADE X, a smart organic waste dryer, meets this practical need, improving operational efficiency.

Ideal for cafés and small restaurants



The high-temperature dehydration technology effectively gets rid of odors and kills 99.9% of pathogens from food waste. Experience a more pleasant and hygienic cooking environment!

 <p>Storage Function</p>	<p>1 10</p> <p>Volume Reduction</p>	 <p>Power Socket Customization Available</p>	 <p>odorless</p>	 <p>Low Noise</p>
 <p>Food waste collected then Disposed at once Storage Function</p>	 <p>BI DC motor applied Low Noise High Durability</p>	 <p>Food waste in powder form Reduction Rate</p>	 <p>Heat at high temperature Sterilizing Function</p>	 <p>User-friendly Audio Guide System</p>
 <p>Self-cleansing of Receptacles Self-cleansing</p>	 <p>Strong coating on Receptacles</p>	 <p>Easy to clean Separable Stainless Cover</p>	 <p>Available as fertilizer Food waste recycling</p>	 <p>Power Socket Customization Available</p>

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Main features

Low energy consumption

Powerful deodorizing performance. Odours are eliminated through internally fitted refillable eco-filters.

Detachable cast iron barrel for easy disposal of organic waste

The digital display can be personalised with the language of choice (subject to minimum order quantity).

Wet food waste is completely processed into a dried powder like form

The dried output is stable, hygienic, sterilized and can be stored for long time without any rotting process and odour problems

Easy cleaning process

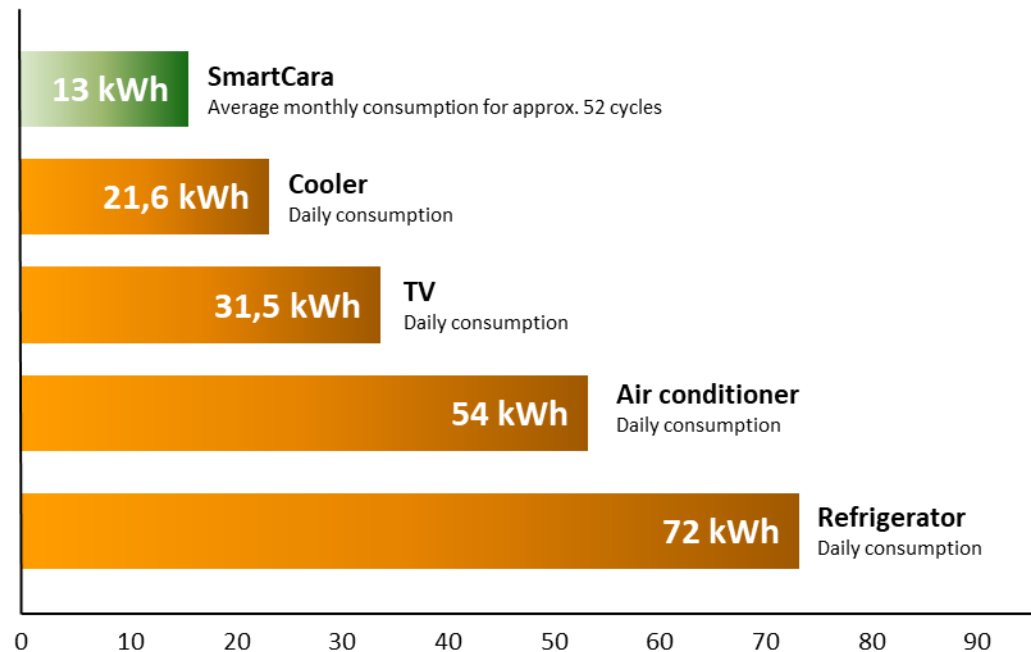
10-year free warranty for Blade X's BLDC motor.



ESACS (Automatic Electricity Saving control system)

With SmartCara energy can be saved thanks to the automatic control system that measures the humidity level through some sensors that regulates the process time and the energy required.

Comparison of consumption of household appliances



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ENERGY SAVING



Government Certified
Eco-Friendly Product



2014-2021 | 8 Years Straight
Government-certified Next
Generation World's Best Product



2019-2022 | 4 Years Straight
Government-certified
Republic of Korea's National Brand



2018 Korea Competitiveness Awards
(IT Innovation Award)



VIP ASIA 2015
Awards



Best SMEs Product Award
(2014 Mistry of SMEs,
Republic of Korea)



2014 National Hardware
Show Innovation Awards(USA)



Best Small Home Appliances
Award
(2013 Ministry of Trade,
Republic of Korea)

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AWARDS & CERTIFICATES





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CERTIFICATIONS

Declaration of Conformity

SMARTCARA CO.,LTD.

Food waste disposal

**SC-D0403A , SC-D0403A-IV , SC-D0403A-SV ,
SC-D0403A-OG , SC-D0403A-NV , SC-D0403A-PK**



**Reference Report No. : DRUCBL2507-0003
DREKCEE2506-0170**

The above product has successfully demonstrated that its product is in compliance with

Electromagnetic Compatibility Directive

EN 55014-1:2017 + A11:2020	EN 61000-3-2:2014
EN IEC 55014-1:2021	EN IEC 61000-3-2:2019 + A1:2021
(CISPR 14-1:2020)	IEC 61000-3-2:2018 + A1:2020
EN 55014-2:1997 + A1:2001 + A2:2008	EN 61000-3-3:2013
*EN 55014-2:1997 / AC:1997	*EN 61000-3-3:2013 + A1 : 2019 + A2:2021
EN IEC 55014-2:2021	IEC 61000-3-3:2013 + AMD1:2017 + AMD2:2021
(CISPR 14-2:2020)	

Low Voltage Directive

EN 60335-2-16:2003 + A1:2008 + A2:2012 + A11:2018 used in conjunction with
EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021 + A16:2023
EN 62233:2008

We, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s)

Manufacturer Signature



SMARTCARA CO.,LTD.


22 / JUL / 2025

194, Baumoe-ro, Seocho-gu, Seoul, Republic of Korea

intertek
Total Quality. Assured.

SMARTCARA CO., LTD.
Report No.: RT24E-S0023
Date: 21-MAR-2024

Intertek Testing Services Korea Ltd.
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Achaon-ro 5-gil,
Seongdong-gu, Seoul, Korea

Telephone: 82-6-090-9518
Facsimile: 82-3-409-0505
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OBJECTIVE

The purpose of the testing is:
To evaluation of sterilization efficiency of a Food wastes disposal machine.

HYPOTHESIS

The Food wastes disposer will remove more than 99.9 % of bacteria in food waste.

CONCLUSION

Based on the data collected, the Hypothesis is accepted
The Food wastes disposer can remove more than 99.9 % of bacteria in food waste.

Rody Ju
ENGINEER



Bo Park
REVIEWER



APPLIED BY SMARTCARA Co., Ltd.
TESTED AT INTERTEK TESTING SERVICES KOREA LTD
PERIOD OF TEST 12 MAR 2024 ~ 19 MAR 2024
DATE OF ISSUE 21 MAR 2024

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		Ref. Certif. No. KR-KTR-1668
IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME		
CB TEST CERTIFICATE		
Product Name and address of the applicant Name and address of the manufacturer Name and address of the factory <small>Note: When more than one factory, please report on page 2</small>	Food Waste Disposers SMARTCARA CO., LTD. 52, Eogokgongdan-ro, Yangsan-si, Gyeongsangnam-do, Korea, Republic of SMARTCARA CO., LTD. 52, Eogokgongdan-ro, Yangsan-si, Gyeongsangnam-do, Korea, Republic of SMARTCARA CO., LTD. 52, Eogokgongdan-ro, Yangsan-si, Gyeongsangnam-do, Korea, Republic of <input type="checkbox"/> Additional information on page 2	
Ratings and principal characteristics Trademark / Brand (if any) Customer's Testing Facility (CTF) Stage used Model / Type Ref.	1) 220 V~, 50 Hz, 1.0 kW 2) 230 V~, 50 Hz, 1.0 kW  1) SC-D0403, SC-D0403-IV, SC-D0403-SV, SC-D0403-OG, SC-D0403-NV, SC-D0403-PK 2) SC-D0403A, SC-D0403A-IV, SC-D0403A-SV, SC-D0403A-OG, SC-D0403A-NV, SC-D0403A-PK <input type="checkbox"/> Additional information on page 2	
Additional information (if necessary may also be reported on page 2) A sample of the product was tested and found to be in conformity with As shown in the Test Report Ref. No. which forms part of this Certificate	IEC 60335-1:2010, IEC 60335-1:2010/AMD1:2013, IEC 60335-1:2010/AMD2:2016, IEC 60335-2-16:2002, IEC 60335-2-16:2002/AMD1:2008, IEC 60335-2-16:2002/AMD2:2011 National differences: EU Group Differences DRUCBL2507-0003	
This CB Test Certificate is issued by the National Certification Body		
Korea Testing & Research Institute (KTR) 98, Gyojukwon-ro, Gwacheon-si Gyeonggi-do Korea, Republic of		
Date: 2025-07-21		 Signature: Hyo-Seung Ryu

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CERTIFICATIONS








BLADE X



31/03/2025

HS CODE : 8509.80-4000		BLADE X
Waste capacity		4 litres/cycle
Type of appliance		Desktop
Colour/s		Matte white / Matte beige
EAN CODE		TBD
Housing material		ABS
Colour of housing		Matte white / Matte beige
Colour of lid		Same as product
Anti-slip rubber feet	No:	4 (desktop and storage tower)
Floor support		Available upon request/separate accessory, storage part has rails
Blade X ->		
Packaging		Avana box double packaging
Accessories & Consumables		
Waste bucket material		Long lasting granite coating Bucket with two side handles
		
Dishwasher suitable waste bucket		YES
Humidity and odour Exhaust	by	TRIPLE COMPLEX FILTER (plastic container separable from activated carbon and recyclable)
		

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TECHNICAL SPECIFICATONS



BLADE X

31/03/2025



Basic Data		
Power supply / Frequency **		230V - 50Hz
Power consumption (average)		1 kW
Length of power cord	cm	180
Type of plug		Euro Schuko plug
Average Drying process time	h	average 4-5 up to 8,5
Additional cooling time	h	1-2
Net dimension (mm)	H/W/D	380 x 299 x 500
Unit gross dimension incl. packing (mm)	H/W/D	570 x 430 x 630
Unit net weight	kg	18,62
Unit gross weight incl. Packing	kg	24,34
Noise level	dB	approx 38
FEATURES		
Power ON/OFF button		YES with ON-light
Drying up processing		Drying / Grinding / Cooling
Self-cleaning		YES
Auto drying time sensor		YES
Self-diagnosis error display		YES
Smart Power-saving Features		YES
Smart Verbal narration system ***		YES + ! Error button is on
Process indicating light	YES	storage / drying / grinding
Lid open / closed indicating light		YES
Auto shut off after end of cycle		YES
Manual shut off		YES
"HOT" Warning feature		Yes, "HOT" is on when bucket is hot
Silence mode		Yes, hold on to Cleansing button for 3 sec
Auto bucket settlement		Yes, hold on to Standard button while lid is open
Certifications		
KC, CE, CB, Korean Eco Label		
Consumable/Accessories included		
Charcoal Active filter		1
Charcoal Active filter duration (hours)		Depends on type of food
Recyclability		Yes
Bucket		1
Logistic Data		
DRIER		
Loadability of Pallet	pcs	12
Dimension of loaded pallet (cm)	H/W/D	185 x 110 x 110
Volume of loaded pallet	cbm	2,238
Gross weight of loaded pallet	kg	302,68
Loadability 20' CTR	pcs	108
Loadability 40' CTR	pcs	216

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TECHNICAL SPECIFICATONS

CONSUMABLES & ACCESSORIES

The TRIPLE COMPLEX FILTER, with activated carbon, is able to eliminate humidity and food odors. The plastic container is separable from activated carbon and can be recycled.

The Filters life time is approx. 6/8 months (depending on the frequency of use).



Deo Filter BFX

Suitable for product models
BLADE X

Extra waste bucket, with two side handles, for easy change empty with full bucket. Long lasting granite coating.



Waste bucket BBX with standard blades

Capacity 4 litres – suitable for product model
BLADE X

Option: sharper blades upon request (BBX_SR)



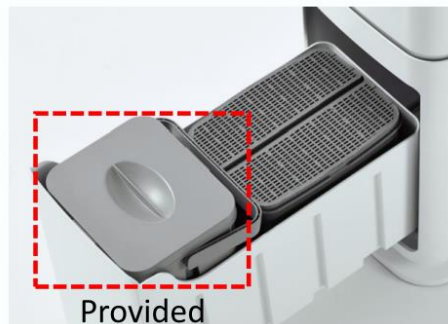
CONSUMABLES & ACCESSORIES

The Floor support is provided by a comfortable storage bin with rails.
The support is also provided by 4 anti-slip rubber feet.



Floor Support FSX

Suitable for product models
BLADE X





SALES CONDITIONS

- Offer upon request
- MOQ: 1 pallet
- Delivery terms: ex-works Varese, Italy or FOB BUSAN for complete containers
- Lead time: 3-5 working days from Italian warehouse (small quantities) – or three months from order date from Busan South Korea
- Payment conditions: 50% at order – balance before shipment
- Warranty : 24 months
- HS code/TARIC code: 8509.80-4000
- Brand: SmartCara
- User manual: available in IT / GB / DE other languages available upon requests



Frequently Asked Questions

▪ DOES THE APPLIANCE MAKE A LOT OF NOISE?

No, the appliance emits about 38 dB, which is comparable to a soft whisper. This sound level is also described as soft. If your appliance is making a lot of noise, contact customer service.

▪ WHAT FOOD CAN/CANNOT BE PUT INTO THE SMARTCARA DRIER?

YES: vegetables, lettuce, cabbage, bread, steamed and fried food, dried fruit, berries, fruit, eggs (with or without the shell), poultry, thin chicken bones, all types of meat, coffee grounds and tea leaves / tea bags, fish and seafood (e.g. lobster, crab, etc.), all food waste.

NO: non-food items (e.g. pebbles, metal, glass, plastic, etc.), large bones (e.g. shanks, ribs, etc.), hard cardboard and paper, other hard objects, live animals and insects, pips and stones (e.g. from nectarines, peaches, avocados, mangoes, plums, etc.), mussel shells, oyster shells, snail shells, etc.

CAUTION: sieve out the liquid from products, e.g. fruit juice, before putting them in the bin. The drier the waste, the shorter the reduction process. As far as possible, it is also preferable to avoid food waste containing a lot of oil, carbohydrates and/or sugar. These should be mixed with other types of waste.

▪ WHAT CAN BE DONE WITH THE FINAL OUTPUT?

The final output is a dry residue that can be used to feed plants or you can simply dispose of the dry residue in accordance with local regulations.

▪ DOES SMARTCARA USE ANY BACTERIAL CULTURES TO BREAK DOWN FOOD WASTE?

SmartCara does not use any bacterial culture. It dries, grinds and cools without the use of any additives.



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