

F&B SOLUTION



CAFE / FRYING / NOODLE
V230605





FRYING SOLUTION

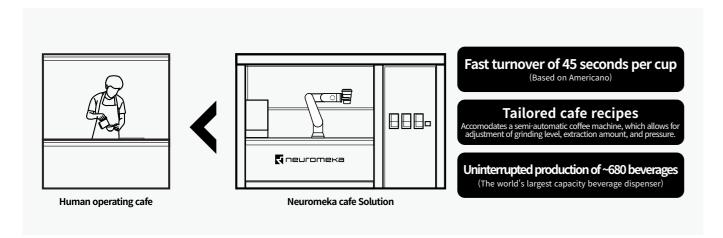
F&B SOLUTION CAFE / FRYING / NOODLE

Designed based on Neuromeka's extensive expertise in collaborative robot manufacturing technology, the cafe solution provides safe and efficient beverage preparation and service at a reasonable price. By automating order taking, beverage preparation, and serving tasks, our solution enables safe and efficient operation of unmanned cafes. It allows customization of recipes according to customer requirements, and it precisely and flawlessly repeats the inputted preparation tasks, ensuring consistent and high-quality service.



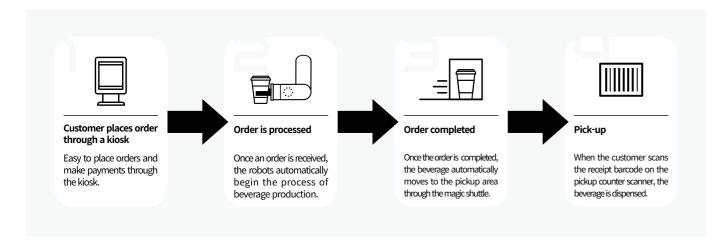
High productivity compared to human operators

The cafe solution significantly boosts productivity by enabling the production of high-quality beverages in a shorter timeframe compared to human operators.



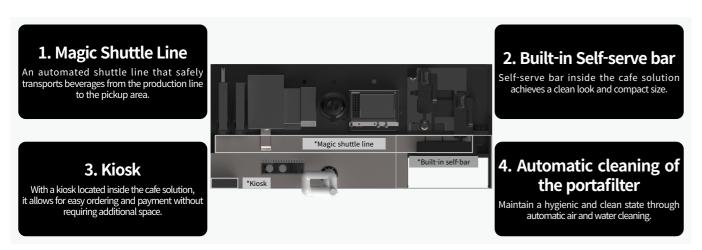
Implementation of 24/7 unmanned stores

Neuromeka's cafe solution enables 24/7 unmanned operation without the need for human presence, utilizing collaborative robots. It integrates with kiosks to provide a fully unmanned service, from order placement to beverage preparation and serving.



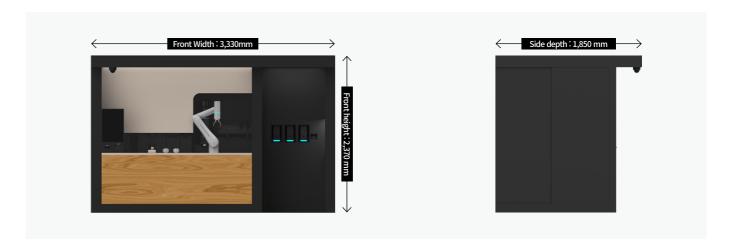
Contactless automation of the entire process

all services provided to customers through ordering and payment via kiosks, collaborative robots, and automation devices for manufacturing and serving, eliminating the need for face-to-face interactions.



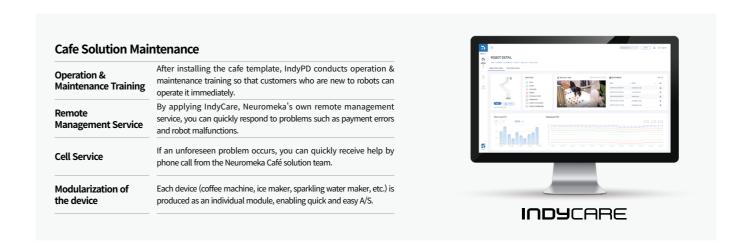
Compact size with minimal installation constraints

The café solutions can be installed in relatively small spaces compared to traditional cafes. When repurposing existing spaces, it allows for efficient utilization of the available area. Moreover, there are no restrictions on installation in places with high-traffic locations, such as cafes, shopping malls, and hotels.



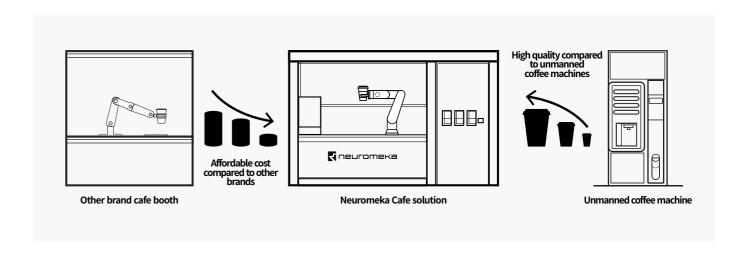
Fast and easy management

Neuromeka's cafe solution is easy and convenient to manage. In the event of any issues, you can rely on a dedicated team for prompt assistance with the cafe solution.

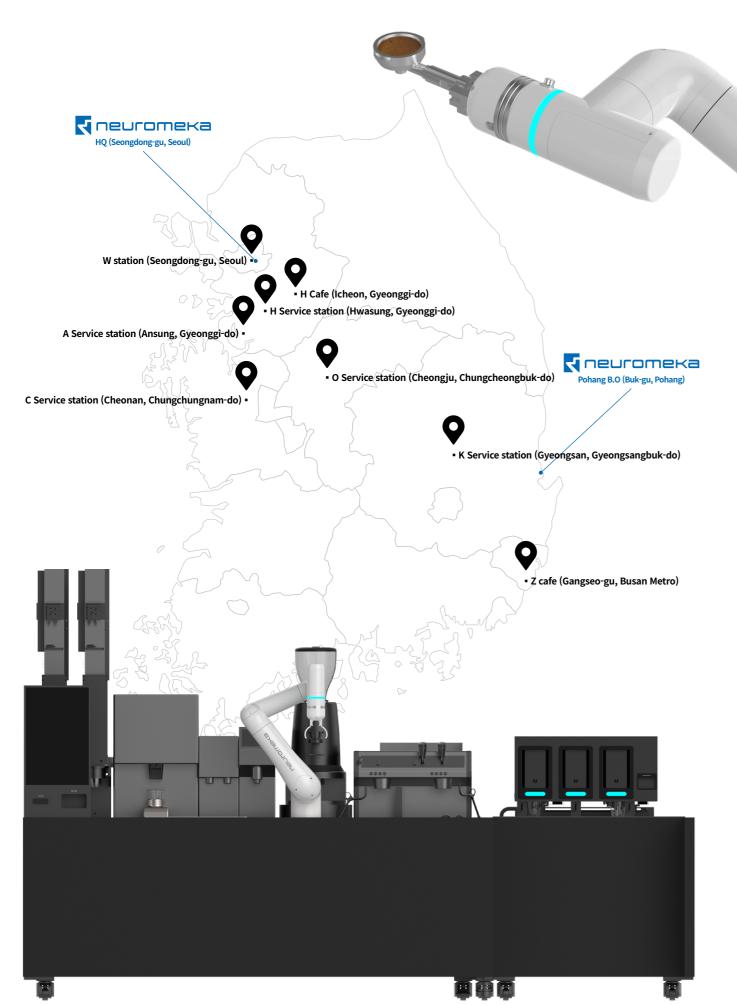


Affordable price without financial burden

By directly manufacturing and selling the solutions, it is possible to offer our solutions at an affordable price without any additional distribution margin. The cafe solution offers high-quality service and can be utilized at lower cost compared to other cafe booth options.



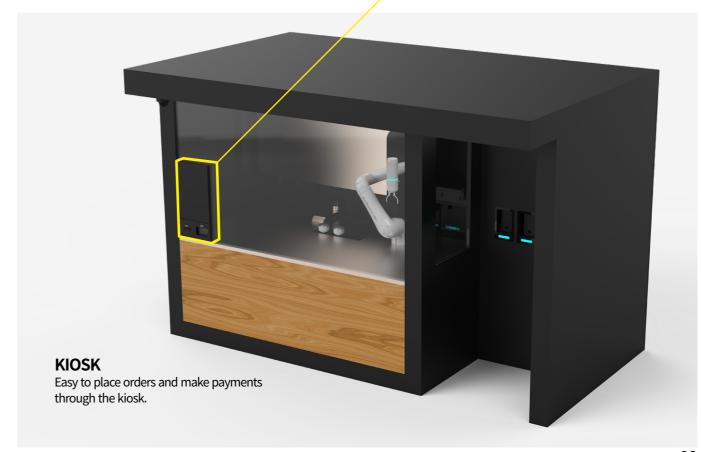
Cafe solution installation sites



Cafe solution menu options







Cafe solution specification

Cafe solution

Average order completion time

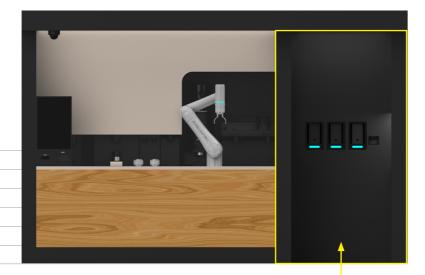
Total input power

Maximum power

Total power consumption 12kW(60A)

Weight

(W)3,330 x (D)1,850 x (H)2,370 mm 1,500kg 45 seconds / 1 cup

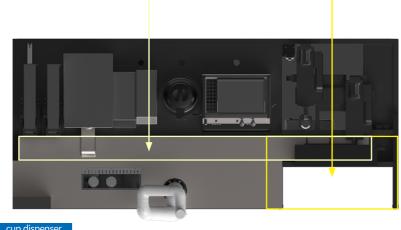


Cafe Solution Configuration

*Includes option to change equipment as needed

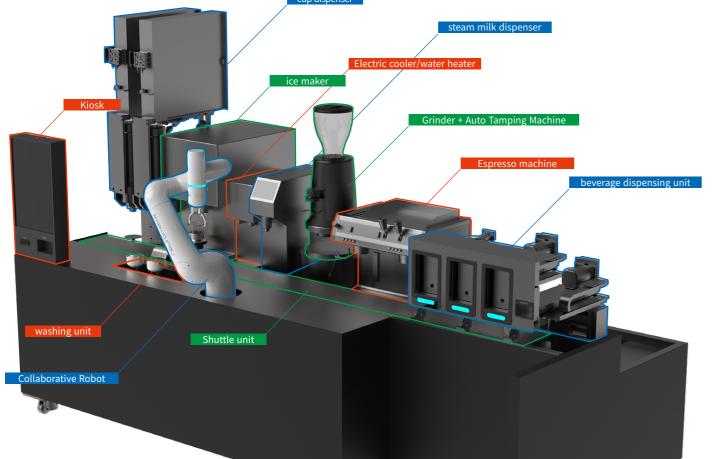
220V

18kW



*Built-in self-bar

*Magic shuttle line

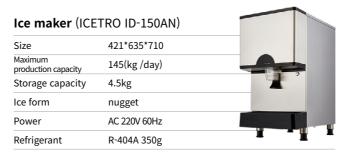


Cafe solution Equipment Specification

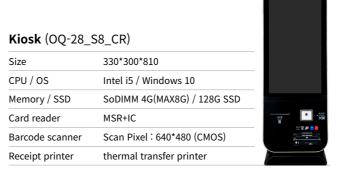
28kg

Weight

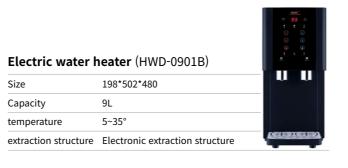
Espresso machine (FUTURA F60) Manufacturer / Origin FUTURA / ITALY Capacity 8L Power Consumption 230V (60Hz, 3kW) Size 580*510*490 Weight 55kg Heat exchanger 2*0.45



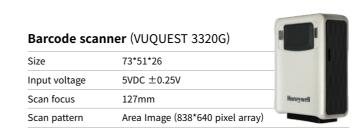
Size	230*270*615	
Power	220V / 60Hz	-0:
Blade	64mm	
Power Consumption	350W	- To (8)
Rotational speed	1550RPM(60Hz)	gas.
Manufacturer / Origin	FIORENZATO / ITALY	

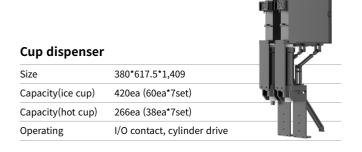


Auto tamper (P	UQ Press - M2)	
Size	380*180*170	
Material	Stainless	- 14 0
Voltage	110-23-V/50-60Hz	
Power Consumption	72W	
Weight	6kg	
Manufacturer / Origin	Barista Technology	BV / Netherlands



Steam Milk	Dispenser (UBER MILK)	-0~
Size	180*485*540	V
Power	220V, 3kW	
Weight	25kg	
Feature	Minimize milk waste	







FRYING SOLUTION

The Neuromeka frying template is an automated cooking system for frying that can effectively replace simple, repetitive, hazardous, and time-consuming tasks using collaborative robots. It safeguards workers from burns resulting from high-temperature oil and noxious vapors, while ensuring consistent quality products by precisely replicating the same recipe.

The solution has obtained a 14um certification for robot repetition accuracy and has undergone repeated testing to ensure reliability. Using bone-in chicken, it can cook up to 20 chickens within an hour, and you can also prepare side dishes like French fries and cheese balls that require the use of oil. In addition, leveraging our extensive expertise in cooperative robot manufacturing and installation, we provide an optimized operating system and the ability to customize the solution according to individual customer requirements.

Frying solution installation sites

- K chicken franchise 1 (Gangdong-gu, Seoul)
- K chicken franchise 2 (Seongdong-gu, Seoul)
- K chicken franchise 3 (Namyangju, Gyeonggi-do)
- K chicken franchise 4 (Hwaseong, Gyeonggi-do)
- M chicken franchise 1 (Boryeong, Chungcheongnam-do)
- M chicken franchise 2 (Buk-gu, Gwangju)
- M chicken franchise 3 (Gimpo, Gyeonggi-do)
- M chicken franchise 4 (Namyangju, Gyeonggi-do)





Frying solution menu options

- Fried Chicken French Fries Onion Rings Chicken Tenders Fried Shrimp
- Mozzarella Sticks Calamari *All other fried foods can be discussed and applied

Features of Frying solution

Advantages of the Frying Solution:

Workers are protected from burns caused by high-temperature oil and harmful vapors.

Consistent and high-quality products are provided through precise repetition of the input recipe.

Increased efficiency through automation of repetitive and time-consuming tasks in the cooking process.

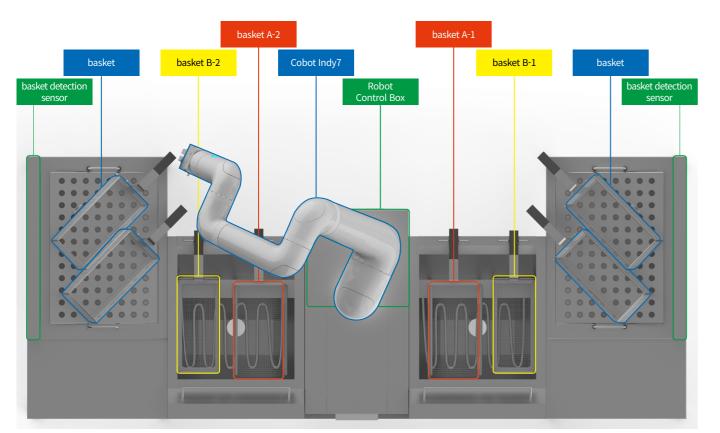
Frying Solution Work Efficiency:

Able to cook 20 chickens per hour using bone-in chicken.

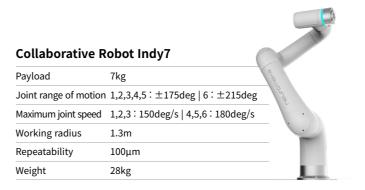
Provides additional choices for various side menu items such as French fries and cheese balls.

Thorough verification of water dough usability for cooking.



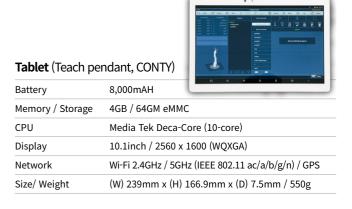


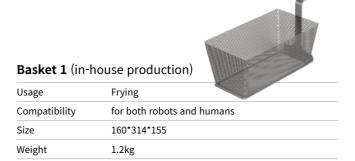
Specifications of Frying solution equipment

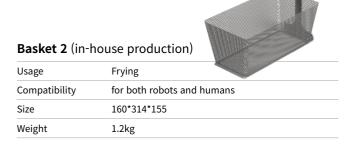


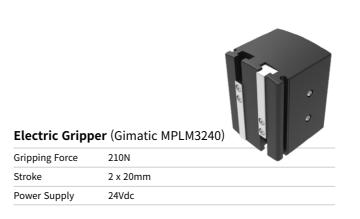
	Annua m	
Gas Fryer (Rinna	ai RFA-228G)	Rinnal
Size	460*600*1000	VAC VAC I VA
Weight	36kg	
Capacity	22L	
Input Power	220V / 60Hz	83
Power Consumption	16W	
Gas consumption	17kW (LP Gas), 18kW (City Gas)	













CTV	(ipTIME C200)
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Pixel/Resolution	200M pixel / Full HD 100P (1920 x 1080)
Feature	Wireless communication, night mode, Android app management, two-way voice
Size/Weight	(W) 76.2 x (H) 76.2 x (D) 115.4 / 206g



Noodle Solution

Neuromeka's noodle solution utilizes the Indy7 collaborative robot, known for its exceptional safety standards in Korea, to automate the entire noodle cooking process. By preventing injuries that can arise from handling the hot noodle boiling pot and reducing the need for human intervention, it establishes a safe and efficient cooking environment.

We have optimized the workload for robots by implementing a gripper system capable of securely holding various cooking utensils and dishes. An automatic water replenishment system maintains a consistent water level in the noodle boiling pot. Furthermore, to prevent any decline in noodle quality resulting from unattended food, the system features an automatic discharge function for noodles left unattended for a specified period of time. This ensures our ability to consistently provide customers with high-quality dishes.

Noodle solution installation sites

- C family restaurant 1 (Gwnagjin-gu, Seoul)
- C family restaurant 2 (Mapo-gu, Seoul)
- C family restaurant 3 (Gyeyang-gu, Incheon Metro city)
- C family restaurant 4 (Yeonsu-gu, Incheon)



Noodle solution menu options

Ramen Pho Udon Pad Thai Pasta

*Agreement and applicability for all other cooking or boiling recipes

Noodle Solution Feature

A. "Improved cooking efficiency through automation of repetitive tasks."

B. "Enable unmanned store operation through automation of the entire process."

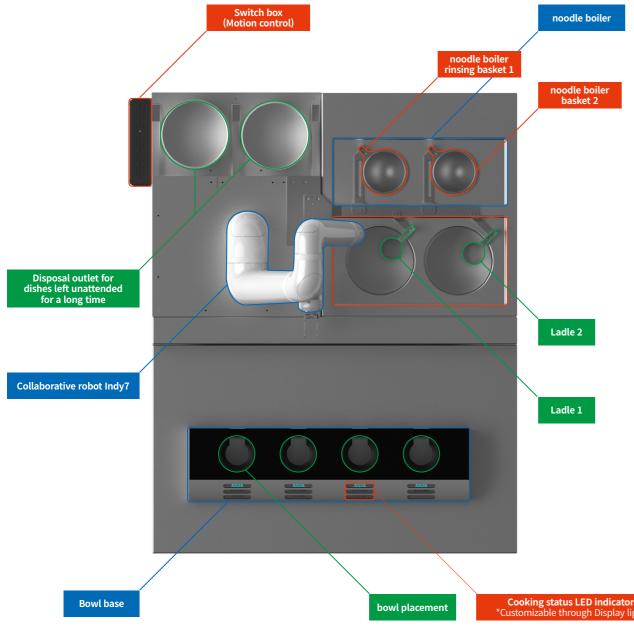
C. "Maintain product quality through an automatic discharge system for unused items.

Noodle Solution specifications

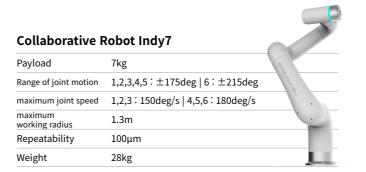
Power and equipment specifications

Size	1,330*1,430*900 (with robot:1,800)
Weight	120kg
Average Cook Time	Approx. 90 sec/1 bowl
Input power	220V / 60Hz
Consumption power	700W (Robot). 5kW (boiler)

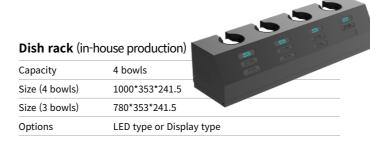


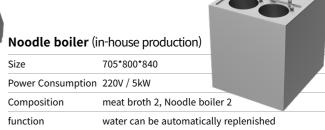


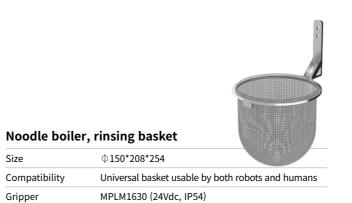
Noodle solution component specifications

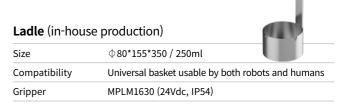














Switch box (Neuromeka In-house production)

Format	Power, Direct teaching, Temporary stop, Gripper opening
Fuction	Noodle solution control



CCTV (ipTIME C200)

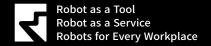
Pixel/Resolution	200M fixel / Full HD 100P (1920 x 1080)
Feature	Wireless communication, night mode, Android app management, two-way voice
Size/Weight	(W) 76.2 x (H) 76.2 x (D) 115.4 / 206g

18 19

Size

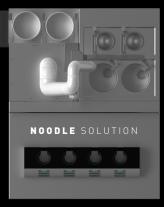
Gripper

Compatibility









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