

Maximized Satisfaction to Cost Ratio!
Food Service Innovation for Patient Meals!

SMART CART

Electromotive
Moving Cart
Food Service Cart

2022

Excellent 'Antibacterial · Antiviral · Deodorant'
Effects with the Ionizing Clean Function



 **Robopia**
www.robopia.co.kr

SMART Food Service Cart/Moving Cart is the best product with medical institution certification.

To Become a Great Company that Achieves Our Customer's Dreams...

The future that Robopia creates is a world where all of our customers are happy!
Robopia will always do our best for customer satisfaction.



Provision of the Best
Innovation of Hospital

SMART

Electromotive Moving Cart
Electromotive Food Service Cart



Dear Customers,
Hello, how are you?

Robopia was established in order to play a role as a positive contributor and partner in the development of the medical industry with a true venture spirit and the aim of offering the **"greatest challenge and value creation for a new world."**

With the goal of developing the next generation sensor-based medical robotics system, we are growing through your love and support into a **specialized company that professionally develops and manufactures medical robotics systems such as SMART Electromotive Food Service Carts and Moving Carts** for innovation in improving the logistical environment.

In addition, Robopia continues to research and strive to provide the best services to our customers through accurate diagnosis and quick A/S care.

Furthermore, Robopia spares no efforts to actualize its **management philosophy of "social contribution through the best products and services."** This will continue into the future as well, as Robopia will do our best to be recognized as a company that truly practices customer satisfaction in the 4th Industrial Revolution era with innovative thinking and creative, challenge-seeking spirit.

Thank you.



Service for Hospital Patient Meals!
Logistics Environment Improvement!

2022

Robopia, a world-class company
with a thorough spirit of creation and
a service-oriented mind, is with you.

01

01 Customer satisfaction that meets the needs and expectations of our customers is our top priority.

02

02 We pursue customer-oriented quality improvement through continuous research and improvement.

03

03 We focus our capacity on improving management performance through the best products and services.

04

04 We strengthen teamwork among employees and the multifunctional ability of individuals through training.



www.robopia.co.kr

MBC Drama Broadcasting Promotion in
‘My Spring Days, Angry Mom’

Robopia, a world-class company with a thorough spirit of creation and a service-oriented mind, is with you.

SMART Electromotive Food Service Cart / Moving Cart

- Ideal for prevention of infection and hygiene management in hospitals.
- Camera and color LCD monitor to secure rear view.
- Obstacle detection sensor and safety devices to ensure safe driving.
- Prevention of musculoskeletal disorders and work motivation improvement.

Since its establishment in 2000, Robopia has been providing the best integrated services in the field of sensor-based medical robotics systems with innovative planning, creative design, and excellent design ability as the foundation to stay ahead through digital innovation and 4th industrial knowledge revolution era. If you are looking for a company that can brainstorm together with its customers to find solutions and that can bring out infinite value creation, Robopia is there for you.

Robopia is a globally leading partner with the best technology and creativity and always thinks from the perspective of its products' users and customers. Due to this way of thinking and the tireless passion for research, we are developing into a global company. In the winds of change of the 4th Industrial Revolution, Robopia pursues the actualization of customer value through creation of sensor-based robotics systems. The future that Robopia creates is a world where all of our customers are happy!

Cold Temperature 5°C



Rear Camera



Power Switch



Speed Control Volume



Emergency Stop Switch



SMART
Electromotive Moving Cart
Electromotive Food Service Cart

ADVANCED TECHNOLOGY

Robopia, a high-tech company of innovation and challenge



SMART CART

SMART Food Service Cart for Optimal Temperature Meal Distribution & Hygiene Management in Hospitals

ELP-900HCI / ELP-900HC (Hot and Cold Prestige/Basic Electromotive Food Service Cart)

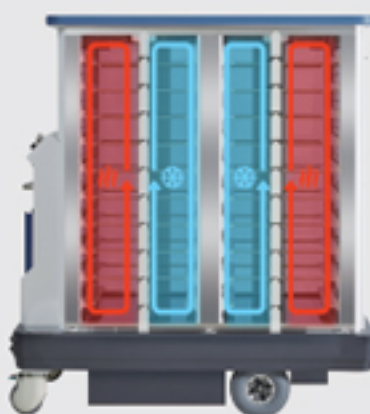


Features

- Provides warm, fresh, and healthily balanced meals with a temperature control system for the hospital patients' meals.
- Excellent heating and cooling functions that reach a warm temperature of 65 °C and a cold temperature of 5°C within 30 minutes of time during meal preparation.
- Convenient double-door pass type separator for increased food-service efficiency, even in small spaces.

Prestige

- The large-capacity lithium-ion battery and efficient heating-cooling system composition make heating and refrigeration possible at all times while on the go, providing fresher and cooler optimal temperature meals to patients.



ELP-900H / ELP-900MH (Thermal Separation Electric/Manual Food Service Cart)



Features

- Excellent thermal function by minimized air exchange with the sealed profile structure of the thermal separator.
- Reduction of waiting time by reaching a warm temperature of 65°C following about 30 minutes of preheating and room temperature separation during meal preparation.
- Double-door pass type separator to increase food-service efficiency, even in small spaces.

Electric

- Low noise casters and foam-filled wheels make it ideal for a pleasant and quiet hospital environment.
- No additional options are required, as all functions for safe operation are included as standard features.
(LCD monitor, camera, obstacle detection sensor, reverse alarm, emergency stop switch)

Manual

- 6 casters minimize the rotational radius for convenient operation in narrow spaces.
- Additional foot brakes make it easy to keep the food-service cart secure when stopped.



ROBOPIA TOGETHER FOREVER

Robopia will be responsible for “the best patient meal service”.

ELP-800H / ELP-800MH (Thermal Electric/Manual Food Service Cart)

Features

- Provides warm meals with closed racks that are hygienic with high heat-insulation.
- Reduction of waiting time by reaching a warm temperature of 50°C following about 30 minutes of preheating during meal preparation.
- Ideal for hospital patient meal service with a slim appearance and convenient operation.

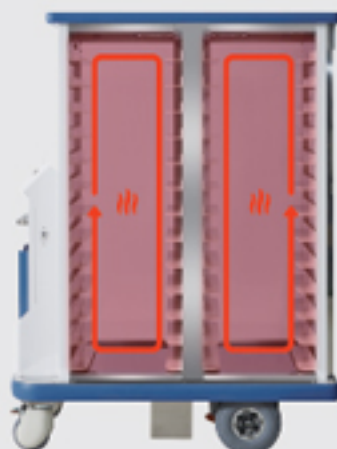
Electric

- Low noise casters and foam-filled wheels make it ideal for a pleasant and quiet hospital environment.
- No additional options are required as all functions for safe operation are included as standard features.

(LCD monitor, camera, obstacle detection sensor, reverse alarm, emergency stop switch)

Manual

- 6 casters minimize the rotational radius for convenient operation in narrow spaces.
- Corner casters and foot brakes make it safe to operate and stop the food service cart.



ELP-800M (Non-thermal Manual Food Service Cart)

Features

- Ideal for hygienic hospital patients' meal service with slim appearance and convenient operation.
- PC chassis type packing door looks clean, and the soft appearance of the meal enhances the texture of the food.
- 6 casters and a 270° door opening increases space utilization in narrow hospitals.
- Corner casters and foot brakes make it safe to operate and stop the food service cart.





TECHNOLOGY

Robopia will be responsible for “hospital logistics environment improvement”.

SMART Moving Cart for Infection Prevention & Hygiene Management in Hospitals

| **ELP-700** (Electromotive moving cart to transport sterilized surgical instruments)



| **ELP-600** (Electromotive moving cart to transport hygienic items such as linen)



| **ELP-500** (Electromotive moving cart to transport medicine and packages)



Features

- Optimal for high-quality hospital environments with smart exterior design and excellent traction.
- Optimal for hospital infection prevention, hygiene management, and medical institution certification through a closed rack transportation.
- Increased efficiency and convenience in logistical transportation with easy elevator usage and convenient operation.
- Proactive response of logistics with the prevention of industrial occupational medical issues (musculoskeletal disorders) and work motivation improvement.

MOVE

Robopia adds an appreciation of technology.



Major Customers



Chung-buk Provincial Geriatric Hospital	International Naeun Hospital	Gwangju City Hospital	Mokpo Hankook Hospital
Design Hospital	Yeson Hospital	NEW Korea Hospital	Yeosu Baek Hospital
Busan Woori Hospital	Namyangju Baek Hospital	Cheongdam Hospital	Yunsuh Hospital
Moonsan Junang Hospital	Jeil Lady's Hospital	Pureun Hospital	Saeng Saeng Hospital
Ppuri Hospital	Gyeongbuk Rehabilitation Hospital	88 Hospital	SG Samsung Joeun Hospital
Gyeonggido Senior Clinic Dongducheon Hospital	Gangseo Barunesang Hospital	Wando Daejung Care Hospital	Yeongjong International Hospital
Nabi Medical Center	Samse Oriental Medical Hospital	Solbit Hanbang Hospital	Cham Hospital
Gangwondo Gangneung Medical And Care Hospital	Angel Recuperation Hospital	Cheongju City Recuperation Hospital	Gangneung Yonsei Recuperation Hospital
Daejung Hospital	Cheonan Yoyang Hospital	Canaan Hospital	Trinity Hospital
Gyeongju With Us Hospital	Kumcheon Su Hospital	Un Jeong Hangang Geriatric Hospital	Jinjeop Jeil Hospital
Pohang Hana Geriatric Hospital	Han Kang Convalescent Hospital	Incheon City 2 nd Elderly Care Hospital	Baekseok Hospital
Hwasun Hyundai Hospital	Suji Hospital	Han Maeum Convalescent Hospital	Happy Convalescent Hospital
On Hospital	Cheongdo Convalescent Hospital	Jangsu Hospital	Golden County Hospital
Royal Hills Hospital	Hanareum Hospital	Hillmaru Hospital	Dunsan Angel Hospital
Cheonan Hansanrang Hospital	Gamkkot Hospital	Yangnyeong Hospital	City Rehabilitation Hospital
Danyang Convalescent Hospital	Kamcheonjang Hospital	Chuncheon City Home for the Elderly	Ganghwa Flower Village Nursing Home
Columban Home	Training Institute of Land, Infrastructure, and Transport	Electronics and Telecommunications Research Institute	Ilhung Co., Ltd.
Pulmuone Co., Ltd	Human Food Co., Ltd	Samsung Welstory Co., Ltd.	Export to China and Indonesia



SMART CART

Robopia food service cart keeps the original texture of the ingredients delicious!

ELP-900 Series Electromotive Food Service Cart



ELP-900HCI



ELP-900HC



ELP-900H



ELP-900MH



Tray

Model	No. of Tray	No. of Layer	Battery Run Time (h)	Battery Charging Time (h)	Outer Dimension (mm)			Weight (Kg)	Power Consumption (kW)	Power (PWR)
					L	W	H			
ELP-900HCI	40	Row 4, Column 10	2	4	1560	770	1820	370	3.5	2P AC220V 50/60Hz
ELP-900HC	40	Row 4, Column 10	2.5	6~8	1560	770	1710	350	3.2	
ELP-900H	44	Row 4, Column 11	2.5	6~8	1470	785	1760	280	2.0	
	40	Row 4, Column 10	2.5	6~8	1470	785	1675	270	2.0	
	20	Row 2, Column 10	2.5	6~8	1000	785	1675	210	2.0	
ELP-900MH	40	Row 4, Column 10	—	—	1430	780	1625	205	1.8	
	20	Row 2, Column 10	—	—	930	780	1625	130	1.8	

- Tray Size : 470x330mm (Tray, tableware available)
- The forward and reverse speeds and battery life of electromotive food service carts may vary depending on the loading and unloading conditions.

ELP-700 / 600 / 500 Series Electromotive Moving Cart



ELP-700



ELP-600



ELP-500

Model	Pushing / Pulling Capacity (Kg)	Battery Run Time (h)	Battery Charging Time (h)	Outer Dimension (mm)			Weight (Kg)	Power Consumption (kW)	Power (PWR)
				L	W	H			
ELP-700	550	4	6~8	1640	745	1600	230	0.2	2P AC220V 50/60Hz
ELP-600	550	4	6~8	1800	785	1650	250		
ELP-500	550	4	6~8	1800	720	1700	120		

- The loading rack part of the electromotive moving cart can be customized according to customer specifications.
- The forward and reverse speeds and battery life of electromotive food service carts may vary depending on the loading and unloading conditions.

Robopia

Electromotive Moving Cart
Electromotive Food Service Cart



ELP-800 Series Electromotive Food Service Cart



ELP-800H



ELP-800MH



ELP-800M



Tray

Model	No. of Tray	No. of Layer	Battery Run Time (h)	Battery Charging Time (h)	Outer Dimension (mm)			Weight (Kg)	Power Consumption (kW)	Power (PWR)
					L	W	H			
ELP-800H	52	Row 4, Column 13	2.5	6~8	1280	745	1700	235	2.0	2P AC220V 50/60Hz
	44	Row 4, Column 11	2.5	6~8	1280	745	1500	220	2.0	
ELP-800MH (Manual)	52	Row 4, Column 13	—	—	1240	770	1650	165	1.8	
	44	Row 4, Column 11	—	—	1240	770	1450	150	1.8	
	26	Row 2, Column 13	—	—	780	770	1650	105	1.8	
	22	Row 2, Column 11	—	—	780	770	1450	90	1.8	
ELP-800M (Manual)	52	Row 4, Column 13	—	—	1200	750	1650	140	—	—
	44	Row 4, Column 11	—	—	1200	750	1450	125	—	
	26	Row 2, Column 13	—	—	700	750	1650	90	—	
	22	Row 2, Column 11	—	—	700	750	1450	75	—	

- Tray Size : Min 390x300mm ~ Max 415x305mm (Tray, tableware available)
- Closed return carts can be customized to customer specifications
- The forward and reverse speeds and battery life of electromotive food service carts may vary depending on the loading and unloading conditions.

Tray

Category	Width(mm)	Length(mm)	Height(mm)	Color
Separation Type Tray	470	330	18	Beige, Pink, Green
Flat Tray	390	300	21	Beige, Pink
	402	303	21	Beige, Pink, Green
	415	305	21	Beige

Selected as Excellent Exhibition Company by the Korea Hospital Association



Accurate Diagnosis, Quick A/S Care

Robopia Co., Ltd. researches and strives to provide the best service to our customers with accurate diagnosis and quick A/S care. The future that Robopia Co., Ltd. creates is a world where all of our customers are happy.

Company Affiliated Research Center Establishment : No. 2019151922
Patent Registration & Design Registration: Patent 10-0956139, 10-1133891,
10-1747655, 10-1773909, Design 30-0604740
Certification Acquisition: Excellent Technology Company Selection, ISO9001 Certification

Robopia Co., Ltd. spares no efforts to actualize its management philosophy of "social contribution through the best products and services". As a globally leading partner with innovative thinking and a creative, challenge-seeking spirit, we always think from the perspective of our users and customers. What Robopia Co., Ltd. is pursuing is the realization of customer value by establishing a 'Sensor-based Medical Robotics System' in the era of the 4th Industrial Revolution.

Caution for Safe Use

- Please read the User's Manual carefully before use.
- Regular inspection is required to ensure safe operation for long-term use.



Robopia Co., Ltd.
41-10, Jugyeopsan-ro 298beon-gil, Soheul-eup, Pocheon-si, Gyeonggi-do, Korea (11185)
Phone +82-31-536-4082 Fax +82-31-536-4089
E-mail sales@robopia.co.kr

