At Myungse C.M.K.,
we are dreaming of a brighter world
The Company in dream for the bright world

Address and Contact

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I would like to thank you for visiting Myungse CMK’s web site. We always listen carefully to the voices of our customers.

Thanks to our continuous investment in R&D, we have developed the New Electro-Mechanical Hot-and-Cool Service Cart for patients’ meals.

We started to develop the Hot-and-Cold Service Cart in 1997, at which time most of them were imported, and through a process of aggressive investment and continuous research & development we succeeded in the developing the first domestically built Hot-and-Cold Service Cart. Our development of the manual hot-and-cold service cart led to the electronic path type hot-and-cold service cart, and eventually the exterior cover mold. With these, we have been able to sell our products in overseas markets thanks to their advanced technology and quality competitiveness. We are currently supplying more than 1,000 carts to hospitals across the nation, all of which are covered by our guarantee.

**Patents & Certifications**

<table>
<thead>
<tr>
<th>Date of Registration</th>
<th>Patent No.</th>
<th>Contents</th>
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<tr>
<td>2000.07.24</td>
<td>Design No. 0263881</td>
<td>Meal Tray Cart</td>
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<tr>
<td>2001.09.05</td>
<td>Utility Model No. 0247017</td>
<td>Structure of Opening &amp; Closing Doors for Hot-and-Cold Service Cart</td>
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<td>2003.01.30</td>
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<tr>
<td>2003.10.02</td>
<td>Patent No. 0401818</td>
<td>Improved Structure of Tray Holder for Hot-and-Cold Service Cart</td>
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<td>2003.10.10</td>
<td>Selected as Export Promising Small &amp; Medium Business</td>
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<td>2004.01.13</td>
<td>Public Procurement Service Best Product Certificate on – Selected as a procurer for Government</td>
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<td>2004.06.18</td>
<td>Utility Model No. 제353387</td>
<td>Meal Tray Rerun Cart</td>
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<td>2004.09.22</td>
<td>Rerun Cart Best Industrial Design GD Certification (Korea Institute of Design Promotion)</td>
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<td>2006.05.29</td>
<td>GD Certification for HA type Electro-Mechanical</td>
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<td>2007.09.19</td>
<td>Approved ISO9001 / ISO14001</td>
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<td>2007.11.01</td>
<td>Approved K-Mark Certificate (Performance)</td>
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<td>Listed Government Procurement Goods by the Public Procurement Service</td>
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<td>2009.06.29</td>
<td>Nominated Inno-Biz Company by the Small &amp; Medium Business Administration</td>
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<td>2010.12.02</td>
<td>Nominated Export Prospect Firm by the Small &amp; Medium Business Administration</td>
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<td>2011.11.01</td>
<td>Approved K-Mark Certificate (Performance)</td>
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<td>2013.</td>
<td>CE Certification of EmoS, ETL of EmoS, FCC of EmoS, NSF of EmoS</td>
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</table>
**Product Feature**

**Easy to Move**

Presenting the Electronic Path Type Hot-and-Cold Service Cart.
Individually spinning left and right wheels
When turning left, the left wheel spins more, and the right wheel spins less. When turning, gently move the electronic lever to reduce the speed, and then turn.

**Driving on level ground**
Even when the cart is full, pressing the lever will move the cart just as easily as if it were empty. The cart’s Slow start/Slow stop function makes it extremely safe to use.

**Backward Driving**
If you remove your hands from the lever, the cart will slowly stop. It moves easily when going backwards. It is easy to bring into an elevator.
*Backward Driving Alarm – it has alarm function when driving backwards, to warn others that the Service cart is approaching.

**Driving on Slopes**
A woman can easily drive the cart on a 5 degree slope. It is automatically controlled to maintain a specific speed while going downhill. You don’t need to worry about sudden acceleration.

**Easy to fit into Narrow Spaces**
When trying to fit the cart into an elevator, or while parking, rather than operating the electric lever simply press the free operating switch on the front, and then push the cart gently to move it into a narrow space.

**Battery Charging**
Charge the battery for 6 ~ 8 hours for 1 hour of driving. The cart automatically charges the battery, even while warming or cooling meals. It is designed to automatically stop when the battery is fully charged, to avoid overcharging. Battery charging time can vary due to the use conditions.
Customer Oriented Design

Features
1. Pass type Holder
2. Touch Sensor on the Front
3. Touch Sensor on the Rear
4. Antibiotic Packing
5. Side inner body
6. Top Cover

1. Convenient Pass type Holder
   Designed to allow for more efficient daily tray storing. The holder is manufactured in a mold-type form to allow for easy cleaning and maintenance, and high solidity. As well, it is designed to firmly keep the holder on with repeated use by having a pass-through type, and it can be removed when needed.

2. Touch Sensor on the Front
   The front touch sensor makes safe driving possible, allowing the driver to cope with any situation.

3. Touch Sensor on the Rear
   It can prevent any accidents from the rear of the service cart for even safer driving by automatically stopping the cart when touched.

4. Antibiotic Packing
   Aseptic antibiotic gasket and minimized projection thanks to strong magnetic is used to make the cart more stable and easy to use.

5. Side inner body
   By changing the inner corners to curves, we designed the cart to allow for greater ease of cleaning. Can be washed out with water.

6. Top Cover
   Designed as a flat rise type, so the meal tray can be loaded on top of the cart.
**Product Feature**

**Excellent temperature suitability**

Room temperature simulation
(Room temperature 25°C / Set up temperature 70°C / Cold temperature 5°C)

**Convenient management**

- Front Monitor
- Touch Sensor on the Front
- Touch Sensor on the Rear
- Automatic Door Lock
- Backward Driving Alarm
- Cart Design for ward for children
- Easy to Clean
- Ward Name Card
- Hold that can be assembled or disassembled
Hot/Cold Food service carts - Choose the function with same exterior.

Electro-Mechanical Hot-and-Cold Service Cart

<table>
<thead>
<tr>
<th>Model</th>
<th>HA-HC60E</th>
<th>HA-HC54E</th>
<th>HA-HC48E</th>
<th>HA-HC40E</th>
<th>HA-HC36E</th>
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<td>External Dimension W</td>
<td>2176</td>
<td>2176</td>
<td>2176</td>
<td>1526</td>
<td>1526</td>
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<td>D</td>
<td>770</td>
<td>770</td>
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<tr>
<td>H</td>
<td>1740</td>
<td>1620</td>
<td>1500</td>
<td>1740</td>
<td>1620</td>
<td>1500</td>
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<tr>
<td>Tray number</td>
<td>60</td>
<td>54</td>
<td>48</td>
<td>40</td>
<td>36</td>
<td>32</td>
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<tr>
<td>Number of row</td>
<td>6 columns 10 rows</td>
<td>6 columns 9 rows</td>
<td>6 columns 8 rows</td>
<td>4 columns 10 rows</td>
<td>4 columns 9 rows</td>
<td>4 columns 8 rows</td>
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<tr>
<td>Power consumption</td>
<td>4.4 Kw</td>
<td>4.1 Kw</td>
<td>3.8 Kw</td>
<td>2.7 Kw</td>
<td>2.5 Kw</td>
<td>2.3 Kw</td>
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<tr>
<td>Weight</td>
<td>430 Kg</td>
<td>410 Kg</td>
<td>390 Kg</td>
<td>320 Kg</td>
<td>300 Kg</td>
<td>280 Kg</td>
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<tr>
<td>Power supply</td>
<td>3P 380V N+E 50/60Hz</td>
<td>1P 220V +E 50/60Hz</td>
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</table>

Available TRAY - Hygienic material available in range of colors.

Separating type TPAY

The tray has five clean, warm feeling colors. Healthy Sheet-Type Polyester Resin - proudly developed by Myungse C.P.K. It can be piled up for storage purposes, and has three sizes (small, medium and large) to fit the size of the service cart.
About Products

- Detachable meal delivery cart for returning trays

Separating type tray return cart

- **Model**
  - HA-R40, HA-R36, HA-R32
  - HA-R36H, HA-R32H, HA-R20H

- **Use**
  This equipment can easily store and move the trays and dishes after serving meals to hospital patients at the right temperature, and can turn and move easily. Numerous carts can be stored in a narrow space.

- **Mounting the upper cap option (OPTION)** – Clean and well arranged exterior. 1 column 4 row type

- **Tray Mounting** – Easy storage.

- **Handle Function** – Easy moving and turning is possible with the handle.

- **Stopper Function** – The brake pedal for stopping, which also has the function of locking the cart

### Separating type tray return cart (1 column 4 rows)

<table>
<thead>
<tr>
<th>Model</th>
<th>HA-R32</th>
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<td>1496</td>
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<td>D</td>
<td>587</td>
<td>587</td>
<td>587</td>
</tr>
<tr>
<td>H</td>
<td>1321</td>
<td>1431</td>
<td>1541</td>
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<tr>
<td>Tray Number</td>
<td>32</td>
<td>36</td>
<td>40</td>
</tr>
<tr>
<td>Number of row</td>
<td>8</td>
<td>9</td>
<td>10</td>
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<tr>
<td>Weight</td>
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<td>43</td>
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### Separating type tray return cart (1 column 3 rows)

<table>
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<th>Model</th>
<th>HA-R20H</th>
<th>HA-R32H</th>
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<td>1176</td>
<td>1176</td>
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<td>D</td>
<td>587</td>
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<td>H</td>
<td>1211</td>
<td>1651</td>
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<tr>
<td>Tray Number</td>
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<td>36</td>
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<tr>
<td>Number of row</td>
<td>7</td>
<td>11</td>
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<tr>
<td>Weight</td>
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<td>41</td>
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Company History

2013  Development of Emos
FEB. 2012  Venture business registration
May 2010  Relocated & expanded the company
June 2006  Selected as Innoviz (Technology Innovative Small & Medium Business)
June 2006  Selected as Export Promising Small & Medium Business
Dec. 2005  Established an affiliated research institute of Myungse C.M.K Co., Ltd.
Jan. 2004  Incorporated Myungse C.M.K
Sep. 2002  Established Seoul & Gyeonggi direct branch
Feb. 2002  Relocated & expanded the company
May 1994  Established Myungse C.M.K

Remarkable Performance

DEC 2015  Exported products to Hongkong
Tung Wah Hospital / Cheshire Home Shatin / Eastern Hospital
Nethersole Hospital / Tai Po Hospital / Prince of Wales Hospital
AUG 2015  Exported products to Brazil
HOSPITAL GRAAC – SP–SP / HOSPITAL MATER DEI – BELO HORIZONTE – MG
HOSPITAL MATER DEI CONTORNO–BELO HORIZONTE – MG / HOSPITAL CARDIOPULMONAR – SALVADOR – BA
DEB 2015  Exported products to SODEXO in Vietnam
APR 2014  Exported products to SODEXO in Thailand(EmoS)
NOV 2013  Exported products to Hong kong (EmoS)
NOV 2013  Exported products to Brazil (EmoS)
OCT 2013  Exported products to China (EmoS)
SEP 2012  Exported products to Mongolia (EmoS) For GARVAN GAL HOSPITAL
JUN 2012  Exported products to Maldives
FEB 2012  Exported products to Brazil
NOV 2011  Exported products to SODEXO in MALAYSIA )
MAY 2011  Exported products to SODEXO in Thailand
MAR 2011  Exported products to PAKISTAN
JAN 2011  Exported products to UAE
OCT 2010  Exported products to Sudan
AUG 2010  Exported products to Kenya
JUN 2010  Exported products to Indonesia
MAY 2010  Exported products to HOSPMIEK in Singapore
MAY 2010  Put products on Singapore medical device exhibition
APR 2010  Exported products to Philippines
JAN 2010  Put products on ARAB HEALTH EXHIBITION in Dubai for 4years in a row
JUN 2009  Exported products to AD DIN HOSPITAL in Bangladesh
MAY 2008  Exported products to Kazakhstan, Oman
JAN 2008  Exported products to JANLEY LIMITED in Hongkong
APR 2007  Exported products to Saudi Arabia
June 2006  Developed a new model of Electro–Mechanical Hot–and–Cold Service Cart
Nov. 2005  Entered into an annual unit price contract with Public Procurement Service for the
Electro–Mechanical Hot–and–Cold Service Cart
Sep. 2005  Exported products to Malaysia
Sep. 2005  Placed products on Thai medical device exhibition
Mar. 2005  Exported products to Shanghai For Jungsan Hospita
Oct. 2004  Exported products to Indonesia For National Heart Hospital
Oct. 2004  Put products on Indonesian medical device exhibition
Sep. 2004  Return Cart Best Industrial Design GD Certification (Korea Institute of Design Promotion)
Apr. 2004  Entered into an annual unit price contract for Service Cart with Public Procurement Service
Feb. 2004  Incorporated Myungse C.M.K
Jan. 2004  Acquired Public Procurement Service Best Product Certification
July 2003  Acquired GD Certificate and awarded by Chief of Public Procurement Service
(Korea Institute of Design Promotion)
Mar. 2003  Placed products on 19th International Medical Device Exhibition
Jan. 2003  Put products on Dubai Medical Device Exhibition
Jan. 2003  CE Certification
Oct. 2000  Completed developing Path Type Hot–and–Cold Service Cart for the first time in Korea
Oct. 1997  Started to develop Hot–and–Cold Service Cart
Certificate of authentication

Address and Contact

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