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equipment**

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Company & GST Reg. No.: 200710642C

Super Powerful Switchable Permanent Magnets

## Magswitch Shipbuilding Tools



Magswitch is a technology that allows a permanent magnet to be turned on and off mechanically like an electromagnet but with no need for ongoing power to sustain a strong magnetic field. Like no other Magswitch is super strong for its size exhibiting up to 5 times the power of other magnet systems.



ISO 9001 / 14001 인증업체



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Warnings:

Do NOT use all Magswitch products in a hot surface over 80°C or strong electro-magnetic field which may cause a loss of magnet force unless specified otherwise

**20mm Magswitch**



|             |                              |
|-------------|------------------------------|
| Model#      | <b>M2020-K</b>               |
| Weight      | 0.14 kg                      |
| Max Holding | 40 kgf                       |
| Size        | 21W x 30L x 27H (스위치 손잡이 제외) |

**30mm Magswitch**



|             |                 |
|-------------|-----------------|
| Model#      | <b>M3020-K</b>  |
| Weight      | 0.22 kg         |
| Max Holding | 70 kgf          |
| Size        | 31W x 40L x 27H |

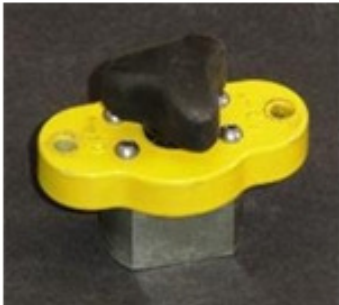
**30mm Magswitch**




|             |                   |
|-------------|-------------------|
| Model#      | <b>M3020-S180</b> |
| Weight      | 0.25 kg           |
| Max Holding | 70 kgf            |
| Size        | 31W x 40L x 37H   |

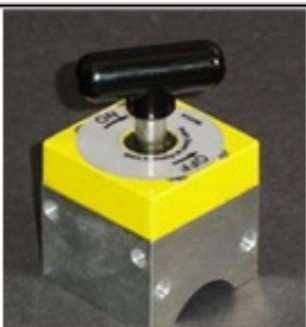


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| <b>20mm Mag-Jig</b>   |             |                 |
|---|-------------|-----------------|
|  | Model#      | <b>MJG-20</b>   |
|   | Weight      | 0.17 kg         |
|   | Max Holding | 40 kgf          |
|   | Size        | 21W x 30L x 35H |
|   |             |                 |

| <b>30mm Mag-Jig</b>  |             |                 |
|--|-------------|-----------------|
|  | Model#      | <b>MJG-30</b>   |
|  | Weight      | 0.25 kg         |
|  | Max Holding | 70 kgf          |
|  | Size        | 31W x 40L x 35H |
|  |             |                 |

| <b>Mag-Mount 150</b>  |             |                     |
|---|-------------|---------------------|
|  | Model#      | <b>MagMount-150</b> |
|   | Weight      | 0.28 kg             |
|   | Max Holding | 70 kgf              |
|   | Size        | 45W x 52L x 40.5H   |
|   |             |                     |

| <b>30mm Workholding</b>   |             |                       |
|---|-------------|-----------------------|
|  | Model#      | <b>WRK-HLD-30</b>     |
|   | Weight      | 0.28 kg               |
|   | Max Holding | 50 kgf                |
|   | Size        | 41(L) x 41(W) x 61(H) |
|   |             |                       |



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### 40mm Mag Jig



|                                |                   |
|--------------------------------|-------------------|
| Model#                         | <b>MJG-40</b>     |
| Weight                         | 0.52 kg           |
| Max Holding                    | 105 kgf           |
| Size                           | 60W x 88L x 38.5H |
| Two M6 Bolt holes are provided |                   |

### Mag-Mount 235



|                          |  |
|--------------------------|--|
| Model#                   | <b>MagMount-235</b><br>(구모델명: M4020-C90) |
| Weight                   | 0.52 kg                                  |
| Max Holding              | 105 kgf                                  |
| Size                     | 60W x 63.5L x 42H                        |
| Three M5 taps are on top |  |

### 40mm MagSquare



|                          |                       |
|--------------------------|-----------------------|
| Model#                   | <b>MSQ-40</b>         |
| Weight                   | 0.92 kg               |
| Max Holding              | 180 kgf               |
| Size                     | 41.26W x 64L x 58.25H |
| Two M5 taps on each side |                       |



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### 50mm Workholding



|             |                       |
|-------------|-----------------------|
| Model#      | <b>WRK-HLD-50</b>     |
| Weight      | 1.60 kg               |
| Max Holding | 190 kgf               |
| Size        | 66(L) x 66(W) x 90(H) |

### 50mm Magnet with a Ring









|             |                       |
|-------------|-----------------------|
| Model#      | <b>M5020-T-RING</b>   |
| Weight      | 1.2 Kg                |
| Max Holding | 140 kgf               |
| Size        | 70(L) x 50(W) x 50(H) |






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| <b>Welding Earth Magnet</b>   |  |                          |                          |             |                          |        |                         |      |                         |
|---|--|--------------------------|--------------------------|-------------|--------------------------|--------|-------------------------|------|-------------------------|
|  <p style="text-align: right;">200amp</p>  <p style="text-align: right;">300amp</p>  <p style="text-align: right;">600amp</p> | <table border="1"> <tr> <td>Model#</td> <td><b>WGC-200, 300, 600</b></td> </tr> <tr> <td>Max holding</td> <td>200amp / 300amp / 600amp</td> </tr> <tr> <td>Weight</td> <td>0.2kg / 0.38kg / 0.9 Kg</td> </tr> <tr> <td>Size</td> <td>72(W) x 104(L) x 72 (H)</td> </tr> </table> | Model#                   | <b>WGC-200, 300, 600</b> | Max holding | 200amp / 300amp / 600amp | Weight | 0.2kg / 0.38kg / 0.9 Kg | Size | 72(W) x 104(L) x 72 (H) |
|   | Model#   | <b>WGC-200, 300, 600</b> |                          |             |                          |        |                         |      |                         |
|   | Max holding  | 200amp / 300amp / 600amp |                          |             |                          |        |                         |      |                         |
|   | Weight   | 0.2kg / 0.38kg / 0.9 Kg  |                          |             |                          |        |                         |      |                         |
| Size  | 72(W) x 104(L) x 72 (H)  |                          |                          |             |                          |        |                         |      |                         |
| <ul style="list-style-type: none"> <li>● Can be used on both flat &amp; round surface such as pipes for welding earth</li> <li>● High temp unit (Max 150°C) can be supplied on request</li> </ul>   |  |                          |                          |             |                          |        |                         |      |                         |
|    |  |                          |                          |             |                          |        |                         |      |                         |


| <b>Welding Earth Magnet</b>   |   |  |  |             |                    |        |                                     |      |  |                |  |
|---|---|--|--|-------------|--------------------|--------|-------------------------------------|------|--|----------------|--|
|  <p style="text-align: center;">800 amp</p>  <p style="text-align: center;">1,200 amp</p> | <table border="1"> <tr> <td>Model#</td> <td><b>WGC-800 (800amp)<br/>WGC-1200 (1200amp)</b></td> </tr> <tr> <td>Max holding</td> <td>800 Amp / 1200 Amp</td> </tr> <tr> <td>Weight</td> <td>800 Amp: 1.1Kg<br/>1,200 Amp: 3.0 Kg</td> </tr> <tr> <td>Size</td> <td>800Amp: 72(w) x 153(L) x 59(H)<br/>1200Amp: 72(W) x 230(L) x 82 (H)</td> </tr> <tr> <td>Earth Terminal</td> <td>Material: Copper<br/>Size: 8T x 80(W) x 130 (L)</td> </tr> </table> | Model#   | <b>WGC-800 (800amp)<br/>WGC-1200 (1200amp)</b> | Max holding | 800 Amp / 1200 Amp | Weight | 800 Amp: 1.1Kg<br>1,200 Amp: 3.0 Kg | Size | 800Amp: 72(w) x 153(L) x 59(H)<br>1200Amp: 72(W) x 230(L) x 82 (H) | Earth Terminal | Material: Copper<br>Size: 8T x 80(W) x 130 (L) |
|   | Model#  | <b>WGC-800 (800amp)<br/>WGC-1200 (1200amp)</b> |  |             |                    |        |                                     |      |  |                |  |
| Max holding   | 800 Amp / 1200 Amp  |  |  |             |                    |        |                                     |      |  |                |  |
| Weight  | 800 Amp: 1.1Kg<br>1,200 Amp: 3.0 Kg   |  |  |             |                    |        |                                     |      |  |                |  |
| Size  | 800Amp: 72(w) x 153(L) x 59(H)<br>1200Amp: 72(W) x 230(L) x 82 (H)  |  |  |             |                    |        |                                     |      |  |                |  |
| Earth Terminal  | Material: Copper<br>Size: 8T x 80(W) x 130 (L)  |  |  |             |                    |        |                                     |      |  |                |  |
| <ul style="list-style-type: none"> <li>● Two welding machines can be connected</li> </ul>   |   |  |  |             |                    |        |                                     |      |  |                |  |



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| <b>M5020 Magswitch</b>  |   |                                    |
|---|---|------------------------------------|
|  | Model#  | <b>M5020-K</b>                     |
|   | Max Holding   | 140Kgf                             |
|   | Weight  | 0.9 kg                             |
|   | Size  | 70(L) x 52(W) x 27(H)<br>핸들높이 : 50 |
|   | High Temp units (Max 180°C) can be supplied on request. |                                    |

| <b>M5020 Magswitch</b>   |             |                        |
|--|-------------|------------------------|
|  | Model#      | <b>M5020-S180</b>      |
|  | Weight      | 0.92 kg                |
|  | Max Holding | 140 kgf                |
|  | Size        | 72(L) x 52(W) x 43 (H) |
|  |             |                        |

| <b>50x40mm Magswitch</b>  |             |                       |
|---|-------------|-----------------------|
|  | Model#      | <b>M5040-K</b>        |
|   | Max Holding | 240Kgf                |
|   | Weight      | 1.3kg                 |
|   | Size        | 70(L) x 52(W) x 47(H) |
|   |             |                       |



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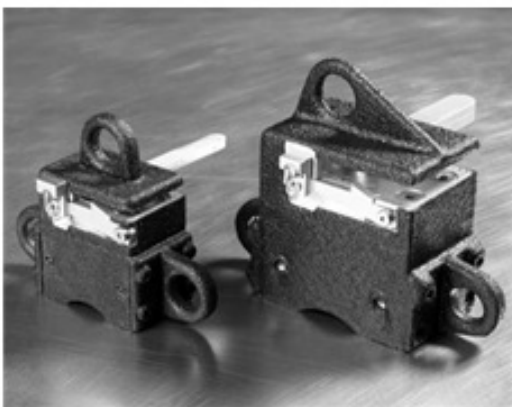
### MagTether 600 – Marine unit



|             |                          |
|-------------|--------------------------|
| Model#      | <b>MagTether 600</b>     |
| Weight      | 2.50 kg                  |
| Max Holding | 240 kgf                  |
| Size        | 162(L) x 124(W) x 132(H) |

Magswitch Marine Tethers provide fast super strong switchable magnets that allow above and below water operators to fasten themselves or their equipment while working on steel hull ships or structures with an easy 180 turn of a lever. Underwater repairs and inspection can be difficult work trying to maintain position. Magswitch Tethers solve this challenge with quick connect - disconnect, strong hold. Ideal for use in military and commercial applications including oil and gas. Tethers include marine grade corrosive resistant coating and are equipped with positive locks.

### MagTether 1000 – Marine unit



MagTether 600 & 1000 size comparison

|             |                          |
|-------------|--------------------------|
| Model#      | <b>MagTether-1000</b>    |
| Weight      | 4.70 kg                  |
| Max Holding | 450 kgf                  |
| Size        | 196(L) x 160(W) x 155(H) |





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### 50mm MagSquare



|  |                                 |
|--|---------------------------------|
| Model#   | <b>MSQ-50</b>                   |
| Max Holding  | 240 Kgf                         |
| Weight   | 1.3kg                           |
| Size   | Magnet: 75(L) x 51.5(W) x 64(H) |
| <ul style="list-style-type: none"> <li>● Smooth ON/OFF Handle operation ●</li> </ul> Safety locking system <ul style="list-style-type: none"> <li>● Compact size with strong magnet force</li> </ul> |                                 |

### 50mm MagSquare (90 degree actuation)



|  |   |
|--|---|
| Model#   | <b>R5040-C90</b>  |
| Max Holding  | 240 Kgf   |
| Weight   | 1.6kg   |
| Size   | 100(L) x 64(W) x 72(H)<br>Magnet: 75(L) x 51.5(W) x 49(H) |
| <ul style="list-style-type: none"> <li>● Smooth ON/OFF Handle operation ●</li> </ul> Safety locking system <ul style="list-style-type: none"> <li>● Compact size with strong magnet force</li> </ul> |   |

### 70mm MagSquare



|  |                                  |
|--|----------------------------------|
| Model#   | <b>MSQ-70</b>                    |
| Max Holding  | 530 Kgf                          |
| Weight   | 3.7kg                            |
| Size   | Magnet: 108(L) x 72(W) x 76.5(H) |
| <ul style="list-style-type: none"> <li>● Smooth ON/OFF Handle operation ●</li> </ul> Safety locking system <ul style="list-style-type: none"> <li>● Compact size with strong magnet force</li> </ul> |                                  |



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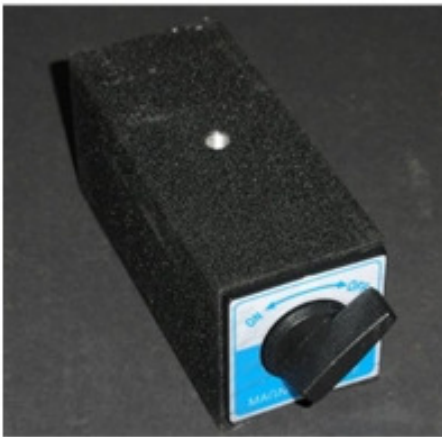
### Magnetic Base



|             |                               |
|-------------|-------------------------------|
| Model#      | <b>MB-60L</b>                 |
| Max Holding | 80 Kgf                        |
| Weight      | 0.92kg                        |
| Size        | Magnet: 60(L) x 50(W) x 55(H) |

- Low cost ON/OFF Magnet
- General purpose - measuring tools

### Magnetic Base







|             |                                |
|-------------|--------------------------------|
| Model#      | <b>MB-120L</b>                 |
| Max Holding | 130 Kgf                        |
| Weight      | 1.88kg                         |
| Size        | Magnet: 120(L) x 50(W) x 55(H) |

- Low cost ON/OFF Magnet
- General purpose - measuring tools



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| <b>25x25mm Magnetic Holder</b>   |   |   |
|--|---|---|
| <br>Top   | <br>Bottom |   |
|  | Model#  | <b>HOLDER-25x25</b>                             |
|  | Max Holding   | 15 Kgf  |
|  | Weight  | 008kg   |
|  | Size  | Magnet: Ø15 x 5(H)<br>하우징: Ø25 x 25(H) - M6 tap |
| <ul style="list-style-type: none"> <li>● Permanent Magnet holder</li> <li>● M8 Tap for fixing with a bolt</li> </ul> <p style="color: red;">High temp version (Max 300°C) can be supplied on request</p> |   |   |

| <b>30x25mm Magnetic Holder</b>   |   |   |
|--|---|---|
| <br>Top   | <br>Bottom |   |
|  | Model#  | <b>HOLDER-30x25</b>                             |
|  | Max Holding   | 25 Kgf  |
|  | Weight  | 012kg   |
|  | Size  | Magnet: Ø20 x 5(H)<br>하우징: Ø30 x 25(H) - M8 tap |
| <ul style="list-style-type: none"> <li>● Permanent Magnet holder</li> <li>● M8 Tap for fixing with a bolt</li> </ul> <p style="color: red;">● High temp version (Max 300°C) can be supplied on request</p> |   |   |



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### Rail Magnet for Auto Welding Carriage



|             |                           |
|-------------|---------------------------|
| Model#      | <b>M5020-C90</b>          |
| Weight      | 0.90 kg                   |
| Max Holding | 140 kgf                   |
| Size        | 118(L) x 64(W) x 44.5 (H) |

High temp unit (Max 180°C) can be supplied on request.



### Rail Magnet for Auto Welding Carriage



|             |                        |
|-------------|------------------------|
| Model#      | <b>M5020x2-C180</b>    |
| Weight      | 1.76 kg                |
| Max Holding | 280 kgf                |
| Size        | 120(L) x 52(W) x 42(H) |

High temp unit (Max 180°C) can be supplied on request.





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### BUGO Rail Magnet



|             |                        |
|-------------|------------------------|
| Model#      | <b>WRM-BUGO</b>        |
| Weight      | 0.74 kg                |
| Max Holding | 140 kgf (70kgf x 2)    |
| Size        | 234(L) x 50(W) x 63(H) |


Max temp: 180°C


Magnet for Wide rail system






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| <b>M5020 Magnet with Eyebolt</b>  |                       |  |
|---|-----------------------|--|
|  | Model#                | <b>M5020-C90-EYE</b>                                   |
|   | Max Holding           | 140Kgf   |
|   | Max Load              | 25kg   |
|   | Weight                | 1.1 kg   |
|   | Size                  | 118(L) x 64(W) x 95 (H)<br>Eyelet: M8 (내경20/외경32/높이38) |
|   | Safety locking system |  |

| <b>M5020 Magnet for Cable Hanger</b>   |  |                         |
|--|--|-------------------------|
|  | Model#   | <b>M5020-C90-Cable</b>  |
|  | Max Holding  | 140Kgf                  |
|  | Weight   | 1.1Kg                   |
|  | Size   | 118(L) x 64(W) x 180(H) |
|  | <ul style="list-style-type: none"> <li>● Safety locking system.</li> </ul> |                         |

| <b>M5040 with Eyebolt</b>   |             |                         |
|---|-------------|-------------------------|
|  | Model#      | <b>R5040-C90-EYE</b>    |
|   | Max Holding | 240Kgf                  |
|   | Max Load    | 80Kgf                   |
|   | Weight      | 1.6Kg                   |
|   | Size        | 118(L) x 64(W) x 115(H) |



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### 30mm HOOK



|  |                |
|--|----------------|
| Model#   | <b>HOOK-30</b> |
| Max Holding  | 30Kgf          |
| Max Load   | 10Kg           |
| Weight   | 0.3 Kg         |
| Size   | 45(D) x 100(H) |
| <ul style="list-style-type: none"> <li>● Hanging Magnet for welding cable, hoses, tools on flat or round surface</li> <li>● Safety locking system</li> </ul> |                |

### 50mm HOOK



|   |                |
|---|----------------|
| Model#  | <b>HOOK-50</b> |
| Max Holding   | 80Kgf          |
| Max Load  | 18Kg           |
| Weight  | 1.0 Kg         |
| Size  | 70(D) x 115(H) |
| <ul style="list-style-type: none"> <li>● Hanging Magnet for welding cable, hoses, tools on flat or round surface</li> <li>● Safety locking system.</li> </ul> |                |

### Cable Hanging Magnet under hull block



|             |                         |
|-------------|-------------------------|
| Model#      | <b>CBL-M5020x2</b>      |
| Max Holding | 280 kgf                 |
| 최대 작업 능력    | 40 kgf                  |
| 무        계  | 2.8kg                   |
| Size        | 600(L) x 75(W) x 150(H) |

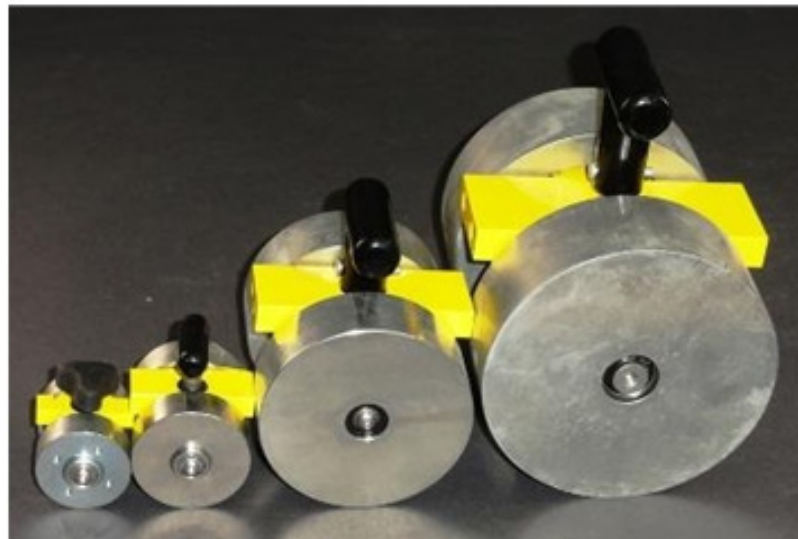
## Magwheel

The Magswitch MagWheel offers powerful connection for drive units on any ferrous surface enabling flat, vertical or inverse travel. Applications include positioning and guiding, sheet feeding, pipe handling, fitting and fabrication and numerous OEM automation and fixturing applications. MagWheel can be fitted with drive units for mobile applications. MagWheel results in efficiency, new applications and productive solutions.

Underneath the patented MagWheel design is the highly functional AR Housing. Through clever innovation of the original Magswitch, the MagWheel provides all the features of a standard Magswitch on the move. The magnetic flux path through the wheels means climbing, carrying, and driving anywhere above or below a ferrous surface is now a reliable, fail-safe reality.

**Specification:**

| Description   | Model# | Max Force (kgf) | Weight (kg) | Dimension   |
|---------------|--------|-----------------|-------------|---|
| 20mm Magwheel | MGW-20 | 15              | 0.30        | 58(L) x 41(W) x 56(H)<br>Wheel diameter: 40mm     |
| 30mm Magwheel | MGW-30 | 25              | 0.56        | 68(L) x 52(W) x 70(H)<br>Wheel diameter: 50mm     |
| 50mm Magwheel | MGW-50 | 100             | 3.30        | 101(L) x 92(W) x 123(H)<br>Wheel diameter: 90mm   |
| 70mm Magwheel | MGW-70 | 200             | 9.30        | 127(L) x 144(W) x 175(H)<br>Wheel diameter: 125mm |



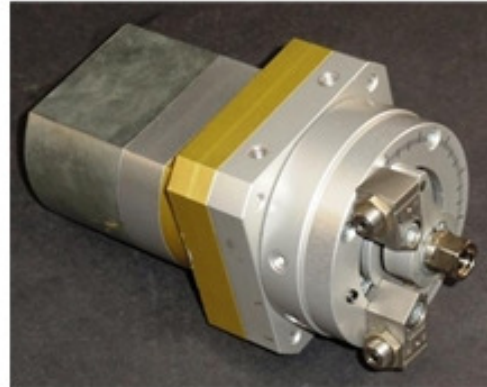


### Automation Tools (Air actuated Magswitch)

Magswitch automation tools have a long lifetime with minimal maintenance and down time while offering high duty cycles, fast actuation, and Class A surface handling capability.

**Practical Application Advantages:**

- Lightweight end of arm tooling in a compact design
- De-stack capability - Flux field saturation matched to the thickness of an individual sheet
- Save significant time and money versus traditional vacuum systems since air is only required for actuation
- Fails safe: Magswitch stays on even with loss of air, reducing scrap and improving safety over vacuum and electromagnet systems
- Magswitch offers new capabilities where magnets were not previously applied, including heavy material applications, pick and place, and ergo lifting.
- Flexible: Tools can be used in multipurpose applications; quick changeover possible with removable pole shoes.
- Lifts irregular and perforated surfaces where vacuum systems cannot





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### 40mm Hand-Lifter



|             |                   |
|-------------|-------------------|
| Model#      | <b>HLF-40</b>     |
| Max Load    | 30kg              |
| Weight      | 0.74kg            |
| Max Holding | 90kgf             |
| Size        | 60w x 135L x 140H |

### 40mm Hand-Lifter (DC)



|             |                   |
|-------------|-------------------|
| Model#      | <b>HLF-40-DC</b>  |
| Max Load    | 30kg              |
| Weight      | 1.2kg             |
| Max Holding | 90kgf             |
| Size        | 70W x 172L x 210H |


- 400+ ON/OFF operation per full battery charge
- Li-ion battery





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| <b>50mm Heavy Hand-Lifter</b>   |             |  |
|---|-------------|--|
|  | Model#      | <b>HLF-MSQ-50</b>  |
|   | Max Load    | 30kg   |
|   | Weight      | 1.8 kg   |
|   | Max Holding | 240 kgf  |
|   | SWL         | 25 kgf   |
|   | Size        | 137(L) x 52(W) x 183(H)<br>Magnet: 75(L) x 52(W) x 64(H) |
|   |             |  |

| <b>Hand-Lifter for steel plate</b>  |             |                         |
|---|-------------|-------------------------|
|  | Model#      | <b>HLF-M5020x2</b>      |
|   | Max Load    | 30kg                    |
|   | Weight      | 2.7kg                   |
|   | Max Holding | 280kgf                  |
|   | Size        | 340(L) x 90(W) x 100(H) |
|   |             |                         |



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### Long handle Hand-lifter



|             |  |
|-------------|--|
| Model#      | <b>HLF-M5040-L</b>                             |
| Max Holding | 240Kgf   |
| Max Load    | 30kg   |
| Weight      | 2.3 kg   |
| Size        | 70(L) x 55(W) x 750(H)<br>Handle Length: 700mm |





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### 50mm Single Lifter



|             |                                 |
|-------------|---------------------------------|
| Model#      | <b>LFT-50</b>                   |
| Max Holding | 240 Kgf                         |
| Max Load    | 80 Kg (Safety factor 3)         |
| Weight      | 2.1kg                           |
| Size        | Magnet: 75(L) x 51.5(W) x 64(H) |
|             |                                 |

### 50mm Dual-Lifter



|             |                                |
|-------------|--------------------------------|
| Model#      | <b>DUAL-50</b>                 |
| Max Holding | 480 Kgf                        |
| Max Load    | 180 Kg (Safety factor 3)       |
| Weight      | 4.1kg                          |
| Size        | Magnet: 127(L) x 72(W) x 75(H) |
|             |                                |

### 50mm Tri-Lifter



|             |                                |
|-------------|--------------------------------|
| Model#      | <b>TRI-50</b>                  |
| Max Holding | 800 Kgf                        |
| Max Load    | 270 Kg (Safety factor 3)       |
| Weight      | 6.1kg                          |
| Size        | Magnet: 200(L) x 72(W) x 87(H) |
|             |                                |

### MLAY600x4 Lifting Magnet



|             |                                     |
|-------------|-------------------------------------|
| Model#      | <b>MLAY600x4</b><br>(구모델명: QUAD-50) |
| Max Holding | 1,000 Kgf                           |
| Max Load    | 330 Kg (Safety factor 3)            |
| Weight      | 7.3kg                               |
| Size        | Magnet: 235(L) x 72(W) x 75(H)      |
|             |                                     |



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### MLAY1000 Lifting Magnet



|             |                                  |
|-------------|----------------------------------|
| Model#      | <b>MLAY1000</b>                  |
| Max Holding | 450 Kgf                          |
| Max Load    | 150 Kg (Safety factor 3)         |
| Weight      | 5.0kg                            |
| Size        | Magnet: 108(L) x 72(W) x 76.5(H) |

### MLAY1000x2 Lifting Magnet



|             |  |
|-------------|--|
| Model#      | <b>MLAY1000x2</b>  |
| Max Holding | 945 Kgf  |
| Max Load    | 315 Kg (Safety factor 3)                                   |
| Weight      | 9.2kg  |
| Size        | Magnet: 218(L) x 96(W) x 106.5(H)<br>On/Off Handle: 200(L) |

### MLAY1000x3 Lifting Magnet



|             |                                 |
|-------------|---------------------------------|
| Model#      | <b>MLAY1000x3</b>               |
| Max Holding | 1,354 Kgf                       |
| Max Load    | 450 Kg (Safety factor 3)        |
| Weight      | 13.86kg                         |
| Size        | Magnet: 300(L) x 97(W) x 130(H) |

### 70mm TRI Lifter for Round Bar application




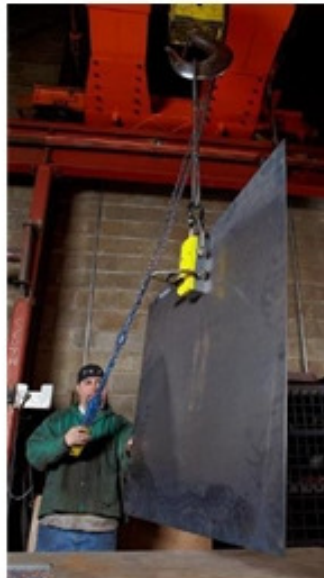
|             |                          |
|-------------|--------------------------|
| Model#      | <b>TRI-70R</b>           |
| Max Holding | 1,590 Kgf                |
| Weight      | 15.0 kg                  |
| Max Load    | 250 Kg (Safety factor 6) |
| Size        | 300(L) x 110(W) x 120(H) |



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| <b>MLAY1000x4 Lifting Magnet</b>  |  |
|---|--|
|  | Model# <b>MLAY1000x4</b>   |
|   | Max Holding 1,770 Kgf  |
|   | Max Load 600 Kg (Safety factor 3)  |
|   | Weight 16.90 kg (Lifting ring extra 2.7kg)   |
|   | Size Magnet: 336(L) x 98(W) x 87(H)  |
|   | <ul style="list-style-type: none"> <li>● Smooth ON/OFF Handle operation ●</li> </ul> Safety locking system <ul style="list-style-type: none"> <li>● Vertical Max load: 390kgf</li> <li>● Horizontal Max Load: 130kg (Safety factor 3)</li> </ul> |

| <b>MLAY1000x6 Lifting Magnet</b>  |  |
|---|--|
|  | Model# <b>MLAY1000x6</b>   |
|   | Max Holding 2,720 Kgf  |
|   | Max Load Vertical 900Kg (Safety factor 3)<br>Horizontal 300kg  |
|   | Weight 24.3 kg (Lifting ring extra 2.7kg)  |
|   | Size Magnet: 493(L) x 98(W) x 87(H)  |
|   | <ul style="list-style-type: none"> <li>● Smooth ON/OFF Handle operation ●</li> </ul> Safety locking system <ul style="list-style-type: none"> <li>● Vertical Max load: 840kgf</li> <li>● Horizontal Max Load: 280kg (Safety factor 3)</li> </ul> |



Horizontal Lifting application



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### 50mm TRI Lifter (DC Remote Control)



|             |                                 |
|-------------|---------------------------------|
| Model#      | <b>TRI-50-DC</b>                |
| Max Holding | 800 Kgf                         |
| Max Load    | 270 Kg (Safety factor 3)        |
| Weight      | 10 kg                           |
| Size        | Magnet: 250(L) x 97(W) x 350(H) |

- Miniature remote controller
- 750+ ON/OFF operation per full battery charge ●

#### Safety features

- 1) Disable OFF function when loaded
  - 2) Magnet is still ON when battery is flat
- Li-ion battery for long life operation

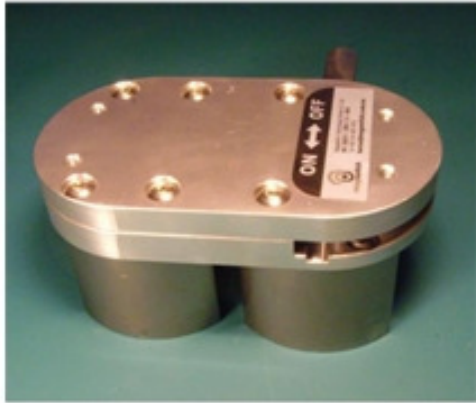






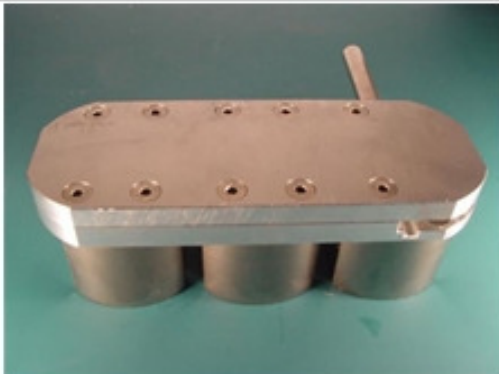
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### R5040 Dual Magswitch



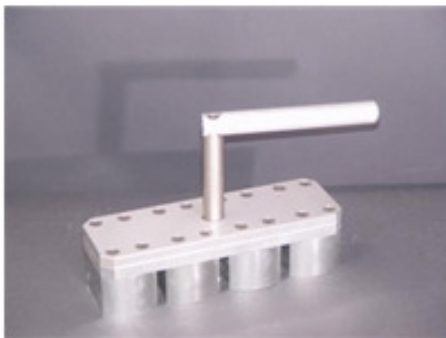
|  |                                |
|--|--------------------------------|
| Model#   | <b>R5040x2-C180S</b>           |
| Max Holding  | 480 Kgf                        |
| Weight   | 3.6 Kg                         |
| Size   | Magnet: 135(L) x 74(W) x 64(H) |
| <ul style="list-style-type: none"> <li>• Smooth ON/OFF Handle operation •</li> <li>Safety locking system</li> <li>• Compact size with strong magnet force</li> </ul> |                                |

### R5040 Triple Magswitch



|             |                        |
|-------------|------------------------|
| Model#      | <b>R5040x3-C180S</b>   |
| Max Holding | 720 kgf                |
| Weight      | 4.9 kg                 |
| Size        | 195(L) x 74(W) x 65(H) |

### R5040 Quad Magswitch



|             |                        |
|-------------|------------------------|
| Model#      | <b>R5040x4-C180B</b>   |
| Max Holding | 960 kgf                |
| Weight      | 6.8 kg                 |
| Size        | 233(L) x 74(W) x 65(H) |



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### 1 Ton Steel plate holding Magnet



|             |                                  |
|-------------|----------------------------------|
| Model#      | <b>SPA-1000</b>                  |
| Max Holding | 1,000 kgf                        |
| Weight      | 9.4 kg                           |
| Size        | Magnet: 250(L) x 128(W) x 600(H) |





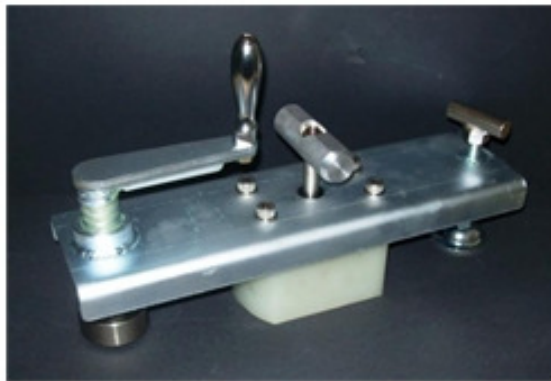
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### 0.5 Ton Butt Welding Alignment tool



|  |   |
|--|---|
| Model#   | <b>WLA-500</b>  |
| Weight   | 5.90 kg   |
| Max Holding  | 500 kgf   |
| Size   | Magnet: 108(L) x 72(W) x 76.5(H)<br>Handle Pipe: $\phi 22$ x 550L |
| <ul style="list-style-type: none"> <li>● Strong, easy to use magnetic welding tool for alignment (high / low) mismatch. Eliminates need for welded tabs. Full 500kgf of permanent magnet force. Locking T handle for safety. Easy 180 degree on &amp; off actuation. 100 times faster than traditional methods.</li> <li>● Steel plate (under 10mm) welding alignment tool for fabrication shops such as Deck House, Hatch Cover, Car carrier deck, LNG tanks, etc.</li> </ul> |   |

### 0.5 Ton Butt Welding Alignment tool (Ratchet Type)



|                                    |                          |
|------------------------------------|--------------------------|
| Model#                             | <b>WLA-500-Ratchet</b>   |
| Max Holding                        | 530 Kgf                  |
| Weight                             | 6.0 Kg                   |
| Size                               | 300(L) x 100(W) x 90 (H) |
| Empty space for additional details |                          |



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### 0.8 Ton Butt Welding Alignment tool



|             |                                      |
|-------------|--------------------------------------|
| Model#      | <b>WLA-800</b>                       |
| Weight      | 9.50 kg                              |
| Max Holding | 800 kgf                              |
| Size        | Handle Pipe:<br>25A(Dia.34) x 600(L) |

- Can be used as 50~75 mm angle press tool

### 0.9 Ton Butt Welding Alignment tool



|             |                               |
|-------------|-------------------------------|
| Model#      | <b>WLA-950</b>                |
| Max Holding | 950 Kgf                       |
| Weight      | 12.3 Kg (Magnet Weight 8.3Kg) |
| Size        | 300(L) x 100(W) x 90 (H)      |

### 1 Ton Butt Welding Alignment tool (Ratchet Type)



|             |                          |
|-------------|--------------------------|
| Model#      | <b>WLA-1000-Ratchet</b>  |
| Max Holding | 1,000 Kgf                |
| Weight      | 11 Kg                    |
| Size        | 400(L) x 128(W) x 90 (H) |



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### 1.5 Ton Butt Welding Alignment tool



|             |                            |
|-------------|----------------------------|
| Model#      | <b>WLA-1600</b>            |
| Max Holding | 1,530 Kgf                  |
| Weight      | 24 Kg (Magnet Weight 12Kg) |
| Size        | 300(L) x 100(W) x 90 (H)   |

### 2 Ton Butt Welding Alignment tool



|             |   |
|-------------|---|
| Model#      | <b>WLA-2200</b>   |
| Max Holding | 2,000 Kgf   |
| Weight      | 28.6 Kg   |
| Size        | 385(L) x 277(W) x 1100 (H)<br>Magnet: 245(L) x 172(W) x 90(H) |



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### 3 or 4 Ton Butt Welding Alignment tool



|                           |  |
|---------------------------|--|
| Model#                    | <b>3 ton: WLA-3000-JACK</b><br><b>4 ton: WLA-4000-JACK</b>   |
| Max Holding               | 3,000 Kgf / 4,000 Kgf  |
| Weight                    | 3 ton: 41.5 Kg<br>4 ton: 53.5 Kg                             |
| Dimension -<br>3 ton unit | 385(L) x 277(W) x 880 (H)<br>Magnet: 245(L) x 172(W) x 90(H) |
| Dimension -<br>4 ton unit | 530(L) x 380(W) x 880 (H)<br>Magnet: 360(L) x 230(W) x 90(H) |

- Hydraulic unit capacity: 5 ton

### 0.8 Ton Longi/Angle Gap pressing tool



|             |                                |
|-------------|--------------------------------|
| Model#      | <b>GAP-800</b>                 |
| Max Holding | 800 kgf                        |
| Weight      | 8.7 kg                         |
| Size        | Magnet: 200(L) x 72(W) x 87(H) |

- Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 175mm on steel plates 10mm or less thickness steel plate



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### 1 Ton Longi/Angle Gap pressing tool



|             |  |
|-------------|--|
| Model#      | <b>GAP-1200</b>  |
| Max Holding | 1,000 kgf  |
| Weight      | 12 kg  |
| Size        | Magnet: 220(L) x 96(W) x 90(H)<br>Handle Pipe: Pie 23 x 900(L) |

Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 175mm on steel plates 15mm or less thickness steel plate

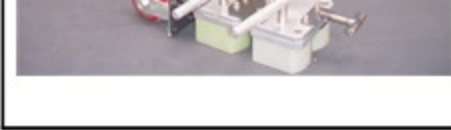
### 1.5 Ton Longi/Angle Gap pressing tool



|             |                         |
|-------------|-------------------------|
| Model#      | <b>GAP-1600</b>         |
| Max Holding | 1,530 kgf               |
| Weight      | 16.30 kg                |
| Size        | 294(L) x 97(W) x 473(H) |

Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 250mm on steel plates 18mm or less thickness steel plate.





### 2 Ton Longi/Angle Gap pressing tool (Wedge type)



|             |                        |
|-------------|------------------------|
| Model#      | <b>GAP-2000-WG</b>     |
| Max Holding | 2,000 Kgf              |
| Weight      | 18.8kg                 |
| Size        | 220(L) x 72(W) x 92(H) |

Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 150mm on steel plates 10mm or less thickness steel plate.

### 2 Ton Longi/Angle Gap pressing tool



|             |                          |
|-------------|--------------------------|
| Model#      | <b>GAP-2200-LEV</b>      |
| Max Holding | 2,000 kgf                |
| Weight      | 23.10 kg                 |
| Size        | 480(L) x 300(W) x 580(H) |

Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 450mm on steel plates 18mm or less thickness steel plate.







### 3 Ton Longi/Angle Gap pressing tool (Hydraulic type)



|             |  |
|-------------|--|
| Model#      | <b>GAP-3000-JACK</b>   |
| Max Holding | 3,000 Kgf  |
| Weight      | 54 Kg  |
| Size        | Magnet: 300(L) x 97(W) x 130(H)<br>Frame: 790(L) x 380(W) x 760(H) ● |

Hydraulic jack capacity: 5 ton

- Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 300mm on steel plates 20mm or less thickness steel plate.

### 4 Ton Longi/Angle Gap pressing tool (Hydraulic type)



|             |   |
|-------------|---|
| Model#      | <b>GAP-4000-JACK</b>  |
| Max Holding | 4,000 Kgf   |
| Weight      | 60 Kg   |
| Size        | Magnet: 336(L) x 98(W) x 90(H)<br>Frame: 790(L) x 380(W) x 760(H) ● |

Hydraulic jack capacity: 5 ton

- Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 300mm on steel plates 25mm or less thickness steel plate.



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### 6 Ton Longi/Angle Gap pressing tool (Hydraulic type)



|             |   |
|-------------|---|
| Model#      | <b>GAP-6000-JACK</b>  |
| Max Holding | 6,000 Kgf   |
| Weight      | Approx. 120 Kg (Custom made)  |
| Size        | Magnet: 300(L) x 97(W) x 130(H)<br>Frame: 1000(L) x 380(W) x 760(H) ● |

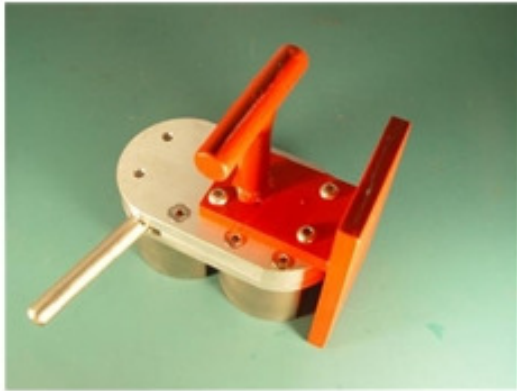
Hydraulic jack capacity: 5 ton

- Magnetic Fit-up jig for Longi, angle and flat-bar heights between 100 ~ 500mm on steel plates 25mm or less thickness steel plate.



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### Stopper- 500



|             |                         |
|-------------|-------------------------|
| Model#      | <b>STP-500</b>          |
| Max Holding | 480 Kgf                 |
| Weight      | 3.9 Kg                  |
| Size        | 135(L) x 74(W) x 120(H) |

### Stopper- 500 with Bite

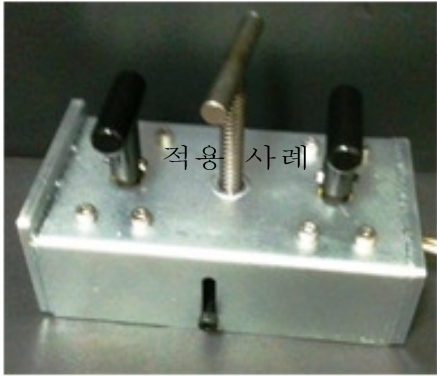


|             |                        |
|-------------|------------------------|
| Model#      | <b>STP-500-BITE</b>    |
| Max Holding | 480 Kgf                |
| Weight      | 5.0 Kg                 |
| Size        | 219(L) x 94(W) x 51(H) |

Magnet force with bites increases shear force.

### Stopper-1100 with Bite

Model# **STP-1000-BITE**  
 Max Holding 1,000 Kgf  
 Weight 11.10 Kg  
 Size 257(L) x 132(W) x 79(H)





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### T-Bar Setup Guide (240H)



|             |                          |
|-------------|--------------------------|
| Model#      | <b>TBR-1100</b>          |
| Max Holding | 1,060 Kgf                |
| Weight      | 9.25 Kg                  |
| Size        | 132(W) x 210(L) x 240(H) |



### T-Bar Setup Guide (Height over 300) with Bite



|             |                          |
|-------------|--------------------------|
| Model#      | <b>TBR-1100-BITE</b>     |
| Max Holding | 1,000 Kgf                |
| Weight      | 12.80 Kg                 |
| Size        | 132(W) x 242(L) x 350(H) |



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### Magnet clamp for ladder safety



|             |                          |
|-------------|--------------------------|
| Model#      | <b>STEP-R5040</b>        |
| Weight      | 1.2 kg                   |
| Max Holding | 240kgf                   |
| Size        | 75 (w) X 140(L) x 114(H) |





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### Portable Magnetic Base Working Platform



|             |                          |
|-------------|--------------------------|
| Model#      | <b>SCFD-250</b>          |
| Max Holding | 250 Kgf                  |
| Weight      | 3.80 Kg                  |
| Size        | 120(W) x 260(L) x 175(H) |

Easy to use magnetic working platform provides comfortable working area for a slippery slope between 35~50 degrees adjustable. One 250kgf of switchable permanent magnets with a locking handles for safety. A worker can step-on with one foot to perform a short/temporary tasks.

### Magnetic Base Working Platform




|             |                          |
|-------------|--------------------------|
| Model#      | <b>SCFD-500</b>          |
| Weight      | 8.50 kg                  |
| Max Holding | 500 kgf                  |
| Size        | Platform 380(W) x 250(L) |

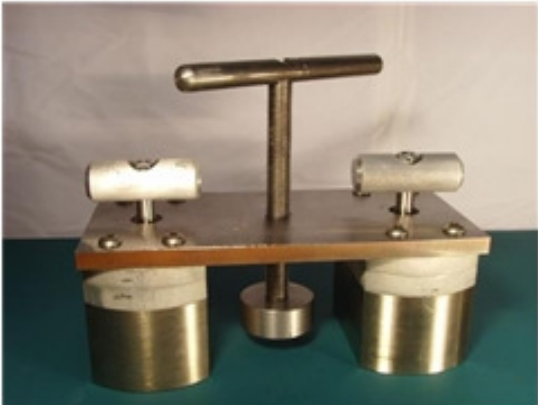
Easy to use magnetic working platform provides comfortable working area for a slippery slope between 35~50 degrees adjustable. Two 250kgf of switchable permanent magnets with separate locking handles for safety. A worker can sit-on or step-on with both feet comfortably to perform various tasks. It also can be used as a temporary step before installation of permanent scaffolding.





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| <b>50mm Clamping Tool</b>  |             |  |
|--|-------------|--|
|  | Model#      | <b>WJG-M5040x2</b>   |
|  | Max Holding | 480 Kgf  |
|  | Weight      | 4.75 Kg  |
|  | Size        | Magnet: 173(L) x 72(W) x 95(H)<br>Clamp: M16 x 180~245(H)<br>Clearance: 70(W) x 60 (H) |
|  |             |  |

| <b>70mm Retainer Bar Welding Jig</b>  |             |  |
|---|-------------|--|
|  | Model#      | <b>WJG-1100-RET</b>  |
|   | Max Holding | 1,060 Kgf  |
|   | Weight      | 9.90 Kg  |
|   | Size        | Magnet: 173(L) x 72(W) x 95(H)<br>Clamp: M16 x 180~245(H)<br>Clearance: 95(W) x 54 (H) |
|   |             |  |





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### Alignment Guide Piece Magnet (Light Duty)



|             |  |
|-------------|--|
| Model#      | <b>GUIDE-PIECE-500</b>                       |
| Max Holding | 500 Kgf                                      |
| Weight      | 5.50 Kg                                      |
| Size        | 146(L) x 110(W) x 150(H)<br>Slope: 74 degree |

### Alignment Guide Piece Magnet (Low clearance version)



|             |  |
|-------------|--|
| Model#      | <b>GUIDE-PIECE-480</b>   |
| Max Holding | 500 Kgf  |
| Weight      | 4.80 Kg  |
| Size        | 180(L) x 175(W) x 95(H)<br>Foot print: 166(L) x 150(W)<br>Slope: 60 degree |

### Alignment Guide Piece Magnet (Medium Duty)

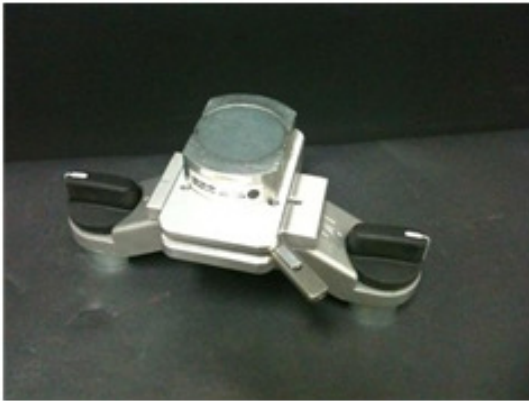


|             |   |
|-------------|---|
| Model#      | <b>GUIDE-PIECE-800</b>                      |
| Max Holding | 800 Kgf                                     |
| Weight      | 7.10 Kg                                     |
| Size        | 256(L) x 73(W) x 140(H)<br>Slope: 63 degree |



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### Magnet Clamping Jig



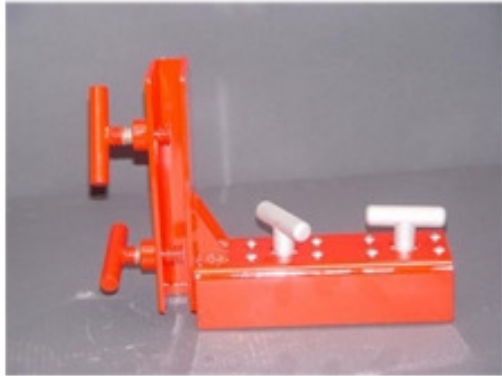
|             |                             |
|-------------|-----------------------------|
| Model#      | <b>Grd-Jig -140/140</b>     |
| Max Holding | Bottom 140 Kgf / Top 140kgf |
| Weight      | 1.90 Kg                     |
| Size        | 234(L) x 118(W) x 120(H)    |





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### Pipe Under Unit Support Fixing Jig



|             |                          |
|-------------|--------------------------|
| Model#      | <b>WSQ-M5040x2-UUS</b>   |
| Max Holding | 500 Kgf                  |
| Weight      | 5.12 Kg                  |
| Size        | 250(L) x 74(W) x 200 (H) |





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### 90 Degree Angle 250



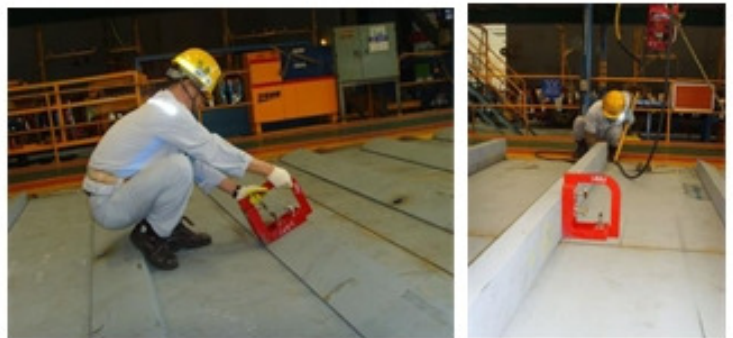
|             |                      |
|-------------|----------------------|
| Model#      | <b>SQB-250</b>       |
| Max Holding | Face 250kgf / 250kgf |
| Weight      | 5.9 kg               |
| Size        | 200 x 250            |



### 90 Degree Angle 500



|             |  |
|-------------|--|
| Model#      | <b>SQB-500</b>   |
| Max Holding | 250Kgf: Height over 200mm<br>500Kgf: Height over 150mm |
| Weight      | 9.0 kg   |
| Size        | 261 x 277  |





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### Flat-Bar / Stiffner Handling Magnet



|             |                    |
|-------------|--------------------|
| Model#      | <b>LFT-FBAR</b>    |
| Max Holding | 140kgf             |
| Max loading | 30kg               |
| Weight      | 1.2 kg             |
| Size        | 140W x 216L x 133H |

- Stiffner or Flat-Bar Handling Tool ●
- Minimum Width 70mm
- Safety Locking Mechanism





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### 90 Degree Angle Magnet



|  |                          |
|--|--------------------------|
| Model#   | <b>WSQ-50x2</b>          |
| Max Holding  | 250Kg / Face             |
| Weight   | 3.9 kg                   |
| Size   | 100(W) x 285(L) x 285(H) |
| <ul style="list-style-type: none"> <li>● Adjustable Magnet Height (Minimum 165mm)</li> </ul> |                          |

### Angled Magnet



|  |                          |
|--|--------------------------|
| Model#   | <b>ANG-250</b>           |
| Max Holding  | 250Kg / Face             |
| Weight   | 5.5 kg                   |
| Size   | 102(W) x 257(L) x 150(H) |
| <ul style="list-style-type: none"> <li>● Adjustable angle 45~70 degree</li> <li>● Minimum Stiffner height: over 120mm</li> </ul> |                          |

### Angled Magnet



|   |                          |
|---|--------------------------|
| Model#  | <b>ANG-500</b>           |
| Max Holding   | 250/500Kg                |
| Weight  | 9.0 kg                   |
| Size  | 102(W) x 268(L) x 245(H) |
| <ul style="list-style-type: none"> <li>● Adjustable angle 45~135 degree</li> <li>● Minimum Stiffner height: over 170mm</li> </ul> |                          |



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### 30mm BoomerAngle



|             |                         |
|-------------|-------------------------|
| Model#      | <b>BANG-30</b>          |
| Max Holding | 70Kg / Face             |
| Weight      | 1.3 kg                  |
| Size        | 70(W) x 200(L) x 200(H) |

### 50mm BoomerAngle



|             |                         |
|-------------|-------------------------|
| Model#      | <b>BANG-50</b>          |
| Max Holding | 240Kg / Face            |
| Weight      | 4.4 kg                  |
| Size        | 95(W) x 260(L) x 260(H) |





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### T-Bar / Longi Setting Magnet



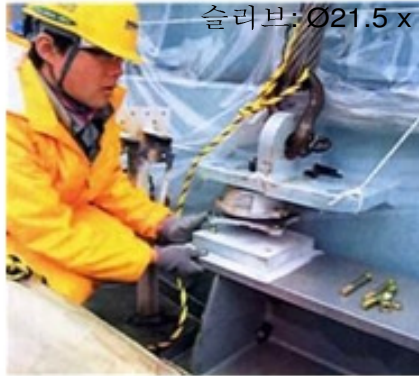
|             |                           |
|-------------|---------------------------|
| Model#      | <b>TBR-M5040x2</b>        |
| Max Holding | 480 Kgf                   |
| Weight      | 4.2 Kg                    |
| Size        | 154.5(L) x 74(W) x 350(H) |



### Bolt-hole Guide Magnet



|             |  |
|-------------|--|
| Model#      | <b>BOLT-HOLE-GUIDE</b>                             |
| Max Holding | 70Kg   |
| Weight      | 0.7 kg   |
| Size        | 40(W) x 78(L) x 238 (H)<br>가이드봉: Ø17.5 x<br>140(L) |

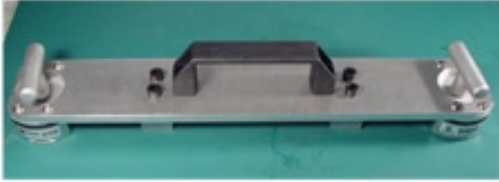



슬리브: Ø21.5 x 105(L)





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| <b>Bottom Plug Setting Magnet</b>   |             |                        |
|---|-------------|------------------------|
|  | Model#      | <b>BPL-M5020x2</b>     |
|   | Max Holding | 280 Kgf                |
|   | Weight      | 2.38kg                 |
|   | Max Load    | 40 Kgf                 |
|   | Size        | 450(L) x 73(W) x 40(H) |
|   |             |                        |

| <b>Container Socket Setting Magnet</b>  |             |                                  |
|---|-------------|----------------------------------|
|  | Model#      | <b>CON-SKT-M5040</b>             |
|   | Max Holding | 240 Kgf                          |
|   | Weight      | 7.2kg                            |
|   | Max Load    | 60 Kgf (안전율 4배수)                 |
|   | 발 주 기 업     | 현대미포조선(주)                        |
|   | Size        | 81(W) x 600(L) x 89(H)<br>손잡이 제외 |
|   |             |                                  |



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### Manhole Cover Lifting Magnet



|             |                          |
|-------------|--------------------------|
| Model#      | <b>DUAL-70</b>           |
| Max Holding | 900 kgf                  |
| Max Loading | 120 Kg                   |
| Weight      | 8.70 Kg                  |
| Size        | 950(L) x 220(W) x 850(H) |

Mag-Dolly Weight: 13 Kg

Mag-Dolly Handle Length: 1,130~1,800mm





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### Portable Magnet Winch



|             |                                 |
|-------------|---------------------------------|
| Model#      | <b>MAG-WINCH-1.0T</b>           |
| Max Loading | Vertical - 100 Kgf (Safety x 2) |
| Weight      | 12.50 Kg                        |
| Size        | 336(L) x 293(W) x 220(H)        |





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### Gondollar holding Magnetic Wheel



|                           |   |
|---------------------------|---|
| Model#                    | <b>GON-MGW-50</b>   |
| Weight                    | 6 kg  |
| Magwheel<br>Holding force | Max 40kg<br>(Replace-able Rubber coating)                 |
| Size                      | 98(W) x 160(L) x 183(H)<br>40mm Square Pipe length: 350mm |

- Increase safety under windy condition
- Increase productivity for grinding job





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### 5Ton No-Piece Power Jack



|                 |                         |
|-----------------|-------------------------|
| Model#          | <b>NPJ-5</b>            |
| Weight          | 3.50 kg                 |
| Hydraulic Power | 5 Ton                   |
| Max Stroke      | 50mm                    |
| Size            | 210 (L)X 150(W) X 60(H) |

- 5 Ton Hydraulic Power tool
- Replaceable Bite type (No Magnet required)





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### 6 inch Manual R-Cutter (2R3C)



|                       |                                     |
|-----------------------|-------------------------------------|
| Model                 | <b>ECO-580ECC</b>                   |
| Weight                | 3.0 kg                              |
| Cutting R-Size        | 3R~4R                               |
| RPM                   | 7,600RPM                            |
| Cutting TIP           | Insert type - 3EA required per unit |
| Required Air Pressure | 6Kg/cm <sup>2</sup>                 |
| Size                  | 270mm in Length                     |

- Used for edge-milling of steel plate and steel structure such as T-BAR to meet PSPC requirement in Shipbuilding industry
- Quite and easy to use
- TIP Material: Cermet
- Economical: 6 cutting face x 2 side = 12 cutting tip in One
- 3R cutting distance per TIP: 1,200~1,800m  
(100~150m/Cutting face x 6 Cutting face x 2 sides)





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### Automatic R-Cutter (2R3C Milling machine)




|                   |   |
|-------------------|---|
| Model             | <b>AUTO-R-CECO</b>                        |
| Weight            | 10.50 kg                                  |
| Power Source      | Forwarding - Electricity<br>Cutting - Air |
| Max cutting speed | 2,000 mm / min                            |
| Cutting Tip       | 200~400m length per Tip                   |
| 규격                | 190(W) x 200(L) x 256(H)                  |

Minimum steel plate thickness: 6.5mm

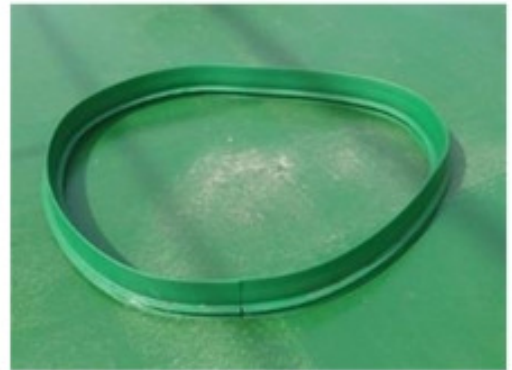




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| <b>Rain-water Protection Guide</b>   |   |
|--|---|
|  | Model# <b>Standard: WG-30</b><br><b>Wide: WG-70</b>                       |
|  | Weight Standard: 0.8kg/m<br>Wide: 1.9kg/m                                 |
|  | Size Standard: 30(W) x 50(H) x 1,500(L)<br>Wide: 80(W) x 42(H) x 1,500(L) |
|  | Length 1,500mm ~ 3,000mm<br>Length can be customized as required.         |
| Magnet Based Rainwater protection system.  |   |

Wide / Standard version



광폭형 적용 부위

블록 틈새  
10~40mm