**Hit-Air is the World’s Finest Line of Equestrian Airbag safety apparel**

Mugen Denko, the manufacturer of Hit-Air, has distanced themselves from the mass-marketed body armor safety apparel.

They offer an exclusive range of equestrian airbag safety apparel that appeal to those who appreciate the best in safety, comfort and style.

The Time is now for cutting Edge equestrian apparel that incorporates the innovative solutions of air bag technology to advance the highest level of safety without compromising comfort and fashion.

All Hit-air models are designed to provide protection for the neck, back, chest and hip (tail bone). These models are especially light weight, cool and more comfortable than the competing brand. It is also much quieter when deployed than the competing brand, making it much less likely to spook the horse during an unintended deployment.

As soon as the rider is thrown from the horse, the airbag inflates and protects rider’s neck, back, chest, sides and hip.

- Shock-buffering protection system will be activated immediately after the distance from the rider to the horse exceeds the “activation distance”, when the key ball is pulled out from the key box to release CO2 gas into the neck, chest, body, back and hip airbags to inflate them in as little as 0.09 sec for Advantage Model and 0.18 sec for SV2 and LV, lessening the effect of impact on rider' body.
- Even before the airbag is fully inflated (in 0.09 second to 0.18 second), it is quite effective for shock buffering.
- After the airbag is fully inflated, the gas is released slowly through a gas release valve and the feeling of tightness will begin to subside.

**Airbag Structure**

- Key box holds a CO2 gas cartridge
- Key ball to be pulled out to release the gas into the airbag instantly.
- Coiled wire to be connected to a proper place of the saddle
- One-touch release to connect/disconnect a coiled wire when getting on/off the horse
- Hip airbag hangs down when inflating

**Shock Buffering Protection System**

- Inflates fully in 0.09 second
- Activation distance
- Key ball

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The new Advantage™ model is a culmination of more than a decade of experience in airbag technology by MUGEN DENKO, LTD. The attention to detail is unmatched by any other brand of airbag apparel. The neck airbag, where the most serious injuries occur, inflates first, followed by (in only fraction of a millisecond) the torso and hip airbag. The neck airbag is also significantly larger than the leading competitor’s neck air bag. The key box where the CO2 cartridge is deployed is protected from dust and dirt and provides sound insulation to minimize spooking the horse during a deployment. The vest is also more comfortable because the hip air bags are concealed inside a special dual pocket making it unnecessary to have a long “duck tailed” style that can be uncomfortable in the saddle. The Advantage™ is also more versatile because it has an additional optional CE back protector and waist side cushions. The new Advantage is also cooler to wear because of the open design. With all of these advantages, it is also more affordable costing hundreds of dollars less!
**Optional Advantage Protectors**

**Easily attachable to the Hit-Air Vests**

### Chest Padding
- All-in-one Chest Padding
- Separate Chest Padding

### Back Padding
- Velcro (male)
- Harness Back Padding
- Lightweight Back Padding
- Meets the European Safety Standard

### Side Padding
- Velcro (male)

### Advantage™
- Royal Blue
- Red
- Navy Blue

### Other colors
- Royal Blue
- Red
- Navy Blue

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<table>
<thead>
<tr>
<th>Advantage Sizes</th>
<th>2XS</th>
<th>XS</th>
<th>S</th>
<th>M</th>
<th>L</th>
<th>XL</th>
<th>2XL</th>
<th>3XL</th>
<th>4XL</th>
<th>5XL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>145 - 155cm</td>
<td>150 - 165cm</td>
<td>160 - 175cm</td>
<td>165 - 180cm</td>
<td>170 - 185cm</td>
<td>175 - 190cm</td>
<td>180 - 195cm</td>
<td>180 - 195cm</td>
<td>180 - 195cm</td>
<td>180 - 195cm</td>
</tr>
<tr>
<td><strong>Chest</strong></td>
<td>74 - 82cm</td>
<td>80 - 88cm</td>
<td>86 - 96cm</td>
<td>95 - 105cm</td>
<td>95 - 110cm</td>
<td>110 - 120cm</td>
<td>115 - 125cm</td>
<td>120 - 130cm</td>
<td>125 - 135cm</td>
<td>130 - 140cm</td>
</tr>
<tr>
<td><strong>Waist</strong></td>
<td>60 - 68cm</td>
<td>66 - 74cm</td>
<td>72 - 80cm</td>
<td>78 - 86cm</td>
<td>84 - 92cm</td>
<td>94 - 102cm</td>
<td>100 - 108cm</td>
<td>106 - 114cm</td>
<td>112 - 120cm</td>
<td>118 - 126cm</td>
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</tbody>
</table>

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**www.hitairequestrianusa.com - Toll Free: 1-877-989-3282**
## Comparison Chart for SV2, LV, MLV and Advantage Models

<table>
<thead>
<tr>
<th>Light Weight Models</th>
<th>Advantage</th>
<th>LV</th>
<th>SV2</th>
<th>MLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available Options</td>
<td>Side paddings</td>
<td>Back protector</td>
<td>Back protector</td>
<td>Back protector</td>
</tr>
<tr>
<td>Key box type</td>
<td>B-type (heavy duty)</td>
<td>Y-type Light Weight</td>
<td>Y-type Light Weight</td>
<td>B-type (heavy duty)</td>
</tr>
<tr>
<td>Weight</td>
<td>1Kg (34.3oz)</td>
<td>900gr (31.7oz)</td>
<td>810gr (28.6oz)</td>
<td>1.1Kg (38.8oz)</td>
</tr>
<tr>
<td>NEW Inflation Speed</td>
<td>About 0.09 second</td>
<td>About 0.18 second</td>
<td>About 0.18 second</td>
<td>About 0.18 second</td>
</tr>
<tr>
<td>Material</td>
<td>600D Polyester Mesh, Lipstop Nylon</td>
<td>500D Nylon</td>
<td>500D Nylon</td>
<td>500D Nylon</td>
</tr>
<tr>
<td>Available colors</td>
<td>Black, Red, Royal Blue, Navy Blue</td>
<td>Black, Red, Royal Blue, Navy Blue, Purple</td>
<td>Black, Red, Royal Blue, Navy Blue, Purple</td>
<td>Black, Reflective, Highly Reflective</td>
</tr>
<tr>
<td>Co2 Cartridge</td>
<td>50cc and 60cc</td>
<td>48cc</td>
<td>48cc</td>
<td>60cc</td>
</tr>
<tr>
<td>Neck Airbag</td>
<td>Large</td>
<td>Large</td>
<td>Large</td>
<td>Large</td>
</tr>
<tr>
<td>Side Airbag</td>
<td>Horizontal/front to back / waist</td>
<td>Horizontal / side angle under arm / waist</td>
<td>Horizontal / side angle under arm / waist</td>
<td>Horizontal / side angle under arm / waist</td>
</tr>
<tr>
<td>Design</td>
<td>Designed by Olympic champion riders introduced in 2010 Quieter deployment no button design and sound insulated key box for CO2 cartridge</td>
<td>Introduced in 2009 for Equestrian competition</td>
<td>Introduced in 2009 for Equestrian competition</td>
<td>Introduced in 2009 for Equestrian competition and Power Sports. Includes reflective stripes for increased night visibility.</td>
</tr>
</tbody>
</table>