plusing solution expert

application
- Plasma – PVD, PECVD, reactive, cleaning, etching, hipims
- Plasma Diffusion - Nitrid -
- Wet Chemical Plasma

technology
- Unipolar Pulser
- Bipolar Pulser
- Bipolar Asymmetric Pulser
technology

Unipolar Pulser

Bipolar Pulser

HIPIMS Bipolar Pulser

Bipolar

Asymmetric

Pulser

HIPIMS Bipolar

Asymmetric

Pulser
hardware
technology

Unipolar Pulser

Bipolar Pulser

HIPIMS

Bipolar Asymmetric Pulser

HIPIMS

Pulser DC
Power 1 - 75kW more on demand

Pulser DC
Power 1 - 75kW more on demand

Pulser DC DC
Power 1 - 75kW more on demand

2 - 3kV

2 - 3kV
MP2 with one DC power supply

MP2-AS with two DC power supplies
**MP2-HC Bipolar HIPIEMS Pulse Power Supply**

**Technical Data**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>MP2-HC 200</th>
<th>MP2-HC 400</th>
<th>MP2-HC 600</th>
<th>MP2-HC 1000</th>
<th>MP2-HC 1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>0 - 20 A DC</td>
<td>0 - 40 A DC</td>
<td>0 - 75 A DC</td>
<td>0 - 100 A DC</td>
<td>0 - 150 A DC</td>
</tr>
<tr>
<td></td>
<td>0 - 200 A Puls</td>
<td>0 - 400 A Puls</td>
<td>0 - 750 A Puls</td>
<td>0 - 1000 A Puls</td>
<td>0 - 1500 A Puls</td>
</tr>
<tr>
<td>Power</td>
<td>0 - 10 kW DC</td>
<td>0 - 20 kW DC</td>
<td>0 - 40 kW DC</td>
<td>0 - 60 kW DC</td>
<td>0 - 90 kW DC</td>
</tr>
<tr>
<td>Pulse frequency</td>
<td>DC/0.005 Hz - 100 kHz</td>
<td>DC/0.005 Hz - 50 kHz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. frequency with max. Pulse current</td>
<td>100 kHz @ 40 A</td>
<td>50 kHz @ 80 A</td>
<td>50 kHz @ 105 A</td>
<td>50 kHz @ 120 A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 kHz @ 200 A</td>
<td>2 kHz @ 400 A</td>
<td>2 kHz @ 750 A</td>
<td>2 kHz @ 1000 A</td>
<td>2 kHz @ 1500 A</td>
</tr>
</tbody>
</table>

**application**

High voltage 2kV
DC source 5kW

**result**

new characteristic
New HIPIEMS-application
Take hi-voltage hipims from MAGPULS

Visit us on www.magpuls.net