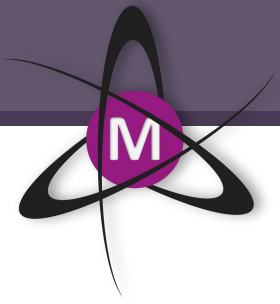


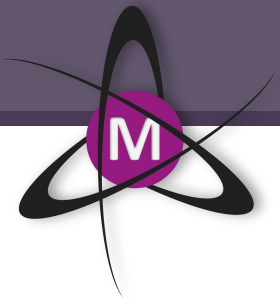
MAGPULS GmbH



pulsing solution expert

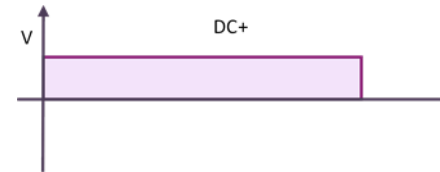
application Plasma – PVD, PECVD, reactive, cleaning, etching, hipims
Plasma Diffusion - Nitrid -
Wet Chemical Plasma

technology Unipolar Pulser
Bipolar Pulser
Bipolar Asymmetric Pulser



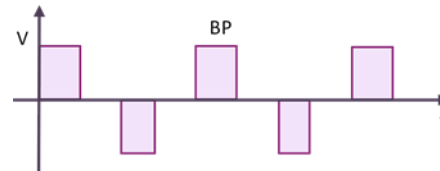
technology

Unipolar Pulser



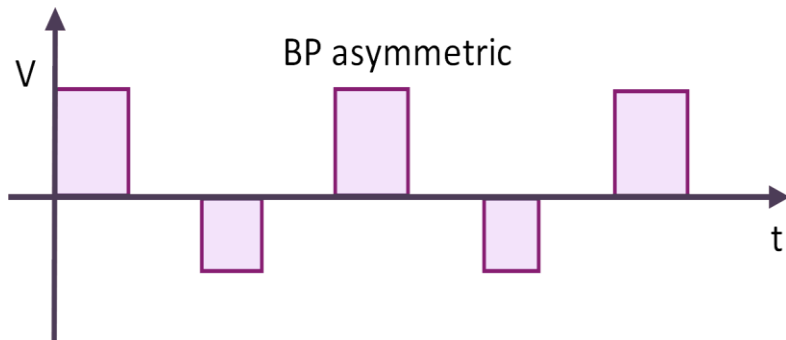
Bipolar Pulser

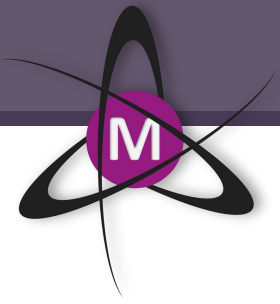
HIPIMS Bipolar Pulser



Bipolar Asymmetric Pulser

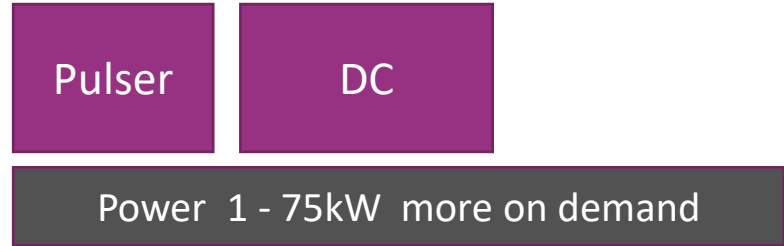
HIPIMS Bipolar Asymmetric Pulser



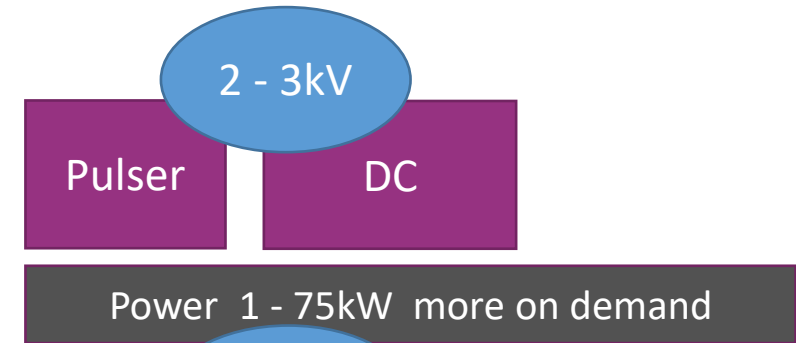


**hardware
technology**

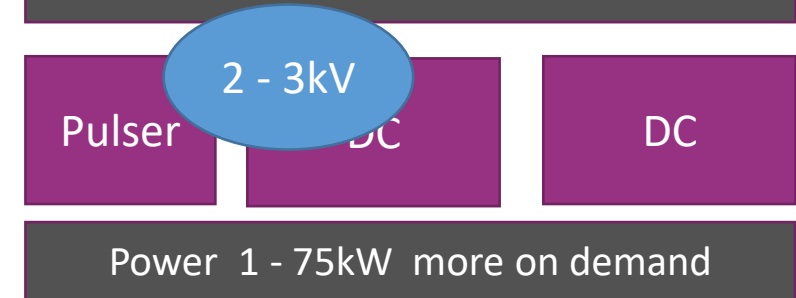
Unipolar Pulser

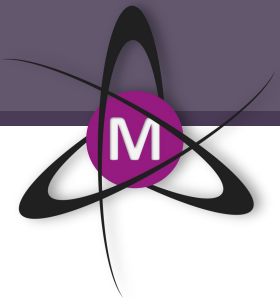


Bipolar Pulser
HIPIMS



Bipolar
Asymmetric
Pulser
HIPIMS

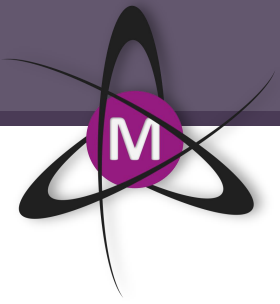




MP2 with one DC power supply

MP2-AS with two DC power supplies





MP2-HC Bipolar HIPIMS Pulse Power Supply

Technical Data

application

High voltage

2kV

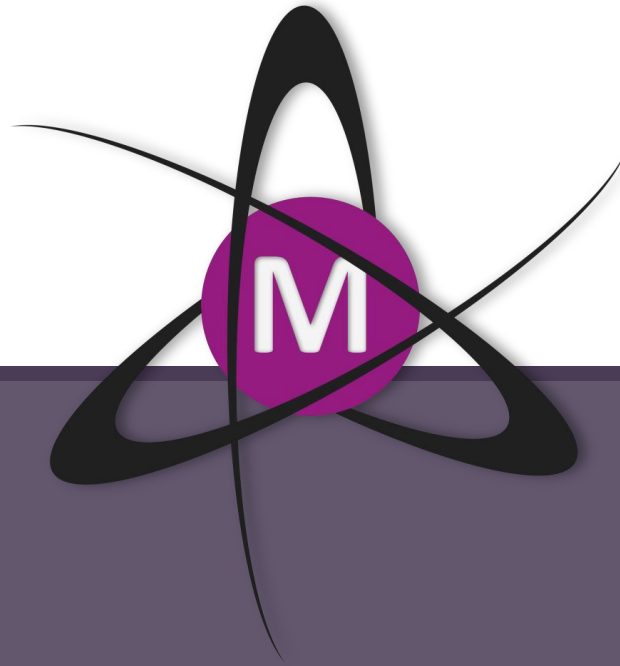
DC source 5kW

	Output				
	MP2-HC 200	MP2-HC 400	MP2-HC 750	MP2-HC 1000	MP2-HC 1500
Voltage	2 - 3kV				
Current	0 - 20 A DC	0 - 40 A DC	0 - 75 A DC	0 - 100 A DC	0 - 150 A DC
	0 - 200 A Puls	0 - 400 A Puls	0 - 750 A Puls	0 - 1000 A Puls	0 - 1500 A Puls
Power	0 - 10 kW DC	0 - 20 kW DC	0 - 40 kW DC	0 - 60 kW DC	0 - 90 kW DC
Pulse frequenc	DC/0.005 Hz - 100 kHz	DC/0.005 Hz - 50 kHz			
Max. frequency with max. Pulse current	100 kHz @ 40 A	50 kHz @ 80 A	50 kHz @ 105 A	50 kHz @ 120 A	
	2 kHz @ 200 A	2 kHz @ 400 A	2 kHz @ 750 A	2 kHz @ 1000 A	2 kHz @ 1500 A

result

new characteristic

New HIPIMS-application



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