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lighting the future

Scientific Precision Unleashed

The HipStar M-series is a High-Power Impulse Magnetron Sputtering (HiPiMS) generator designed by a team of engineers experienced in the field of high voltage fast gas discharge.

HipStar family

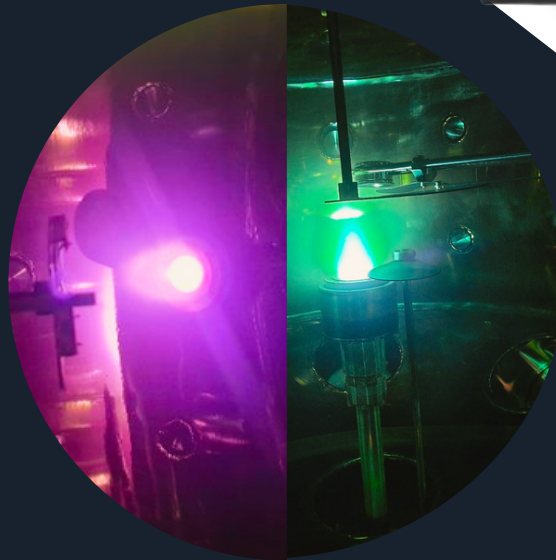
Fast Switching for
HIPIMS Applications



HipStar-S



HipStar-M



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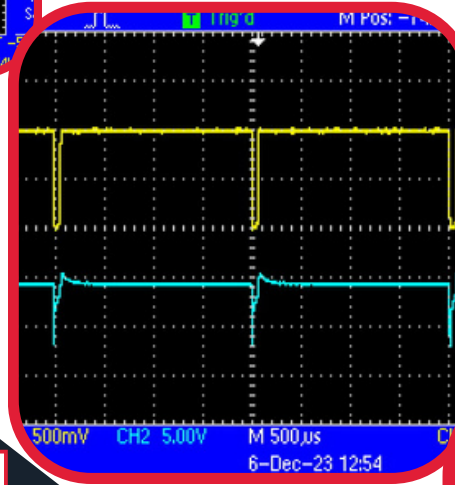
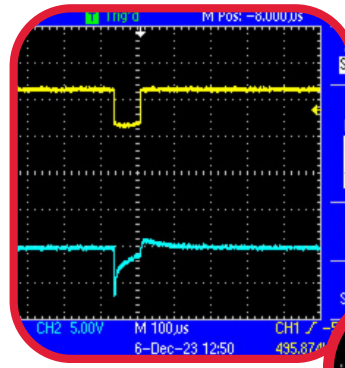
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Magnetron sputtering
deposition process using the
HipStar HiPiMS generator on a
copper target & titanium target



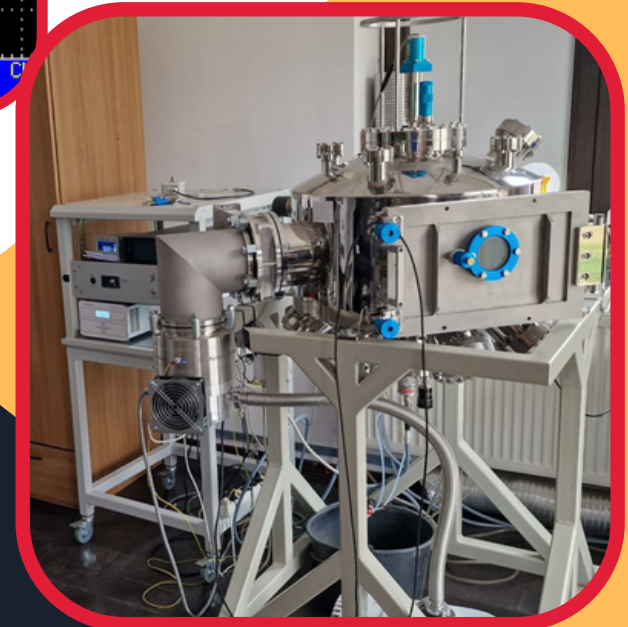
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Waveforms measured using an oscilloscope connected to the signal testing outputs of the HipStar pulse generator



Technical specifications:

	HipStar - S Slim	HipStar - M Midsize
Peak Voltage, [V]	< 900	< 1200
Peak Current, [A]	< 60	< 100
Pulse duration, [microseconds]	5.. 150	5...150
Peak power [kW]	< 5	< 10
Average output power [W]	< 100	< 500
Weight, [kg]	< 5	< 9
Mains [VAC/ A]	230/ 0.5	230/2
Negative high voltage input supply [V, DC], 600 W, external	< 900	< 1200



Thin films deposition system used for equipment testing