



MAGNETRON POWER SUPPLY

THE MAGDRIVE 400 prevails in settings where control and reliability are essential. Thanks to its compact size and powerful Dipolar technology, easy setup and monitoring is guaranteed. The power is seamlessly adjusted, enabling the Magdrive 400 to adapt to various anode voltages and load conditions.

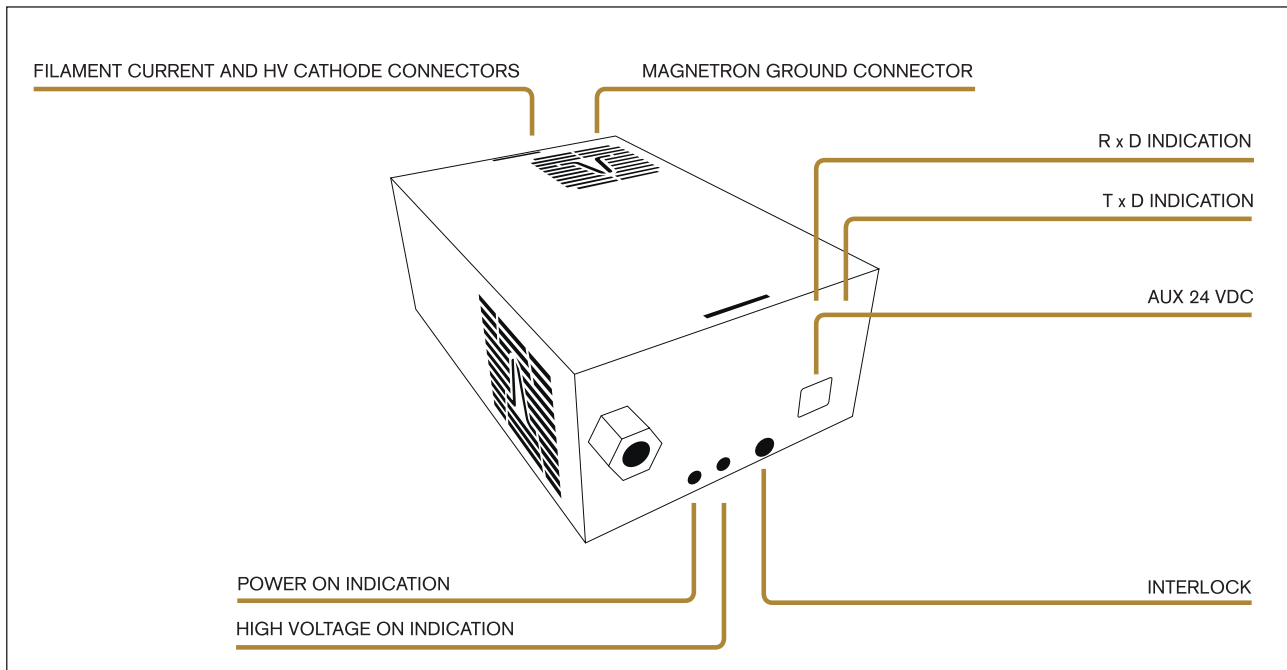
The regulated filament increases magnetron life span, making it possible to lower maintenance costs and operational downtime. By choosing the reliable Magdrive 400 as your power supply, you will minimize disturbance and enhance the quality of your end product.

GENERAL FEATURES

- Designed for 500W 2450 MHz standard magnetrons
- Constant output power, variable level
- Internal filament current circuitry
- High efficiency, low weight
- Completely boxed with cooling fan
- RS232 port for control and parameter setting
- Isolated I/O
- Isolated 0-10V power interference

MAGNETRON LONGLIFE FEATURES

- Regulated filament current supply
- Moding and arcing protection
- Optimization for narrow bandwidth settings



ELECTRICAL PERFORMANCE

INPUT DATA

Mains voltage 100-240VAC \pm 10%
 Mains frequency 50-60 Hz
 Power factor >0.95 @ 90VAC / 100% power

OUTPUT DATA

Anode power 30-560W 1% steps. Regulated $P=U \cdot I$
 Anode voltage -3.6 kV (Application dependant)
 Filament current 6-11 A. Automatic reduction
 Efficiency >95% @ 100% power

CONTROL

Communication Optically isolated rs232
 Standalone @VAC or @closing contact
 Setpoints Anode, filament, protection levels
 Feedback Anode power/current, filament current, alarms, temp, running hours

APPROVALS AND ENVIRONMENT

2014/35/EU LVD

Standard Electrical Safety SS-EN 61 010-1
 2004/108/EC EMC

Standard Emission

SS-EN 61326-1: 2013
 SS-EN 61326-1:2013, SS-EN 61000-3-2:2006, -A1:2009, -A2:2009, SS-EN 61000-3-3:2008

Immunity

SS-EN 61000-4-2 through -8, SS-EN 61000-4-11

MECHANICAL DATA

Weight 1.5 kg
 Overall dimensions Length 215 mm
 Width 145 mm
 Height 95 mm

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