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Modeling of a New High  
Voltage Power Supply for  
Microwave Generators with  
Three Magnetrons Microwave  
Oven Troubleshooting in

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~~MINUTES c STEP BY STEP~~ **High**

**Voltage Power Supply for  
Industrial Microwave  
Generators for N=2**

**Magnetrons SDG #135 Riden**

**Power Supply Chassis and  
Power Supply Assembly RD6012**

**RD6006** ~~Howto repair switch~~

~~mode power supplies #5:~~

~~Magnetic core materials,~~

~~ferrite vs steel~~ This Device

can create an #Anti gravity

space **Power Supply**

**Troubleshooting and Repair**

**Tips** Magnetron gun *What is a*

*MAGNETRON - How Does it Work*

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Magnetron Experiment

Microwave magnetron powered  
by 24v

---

Demonstration of magnetron  
plasma *Home built desktop DC*

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*Magnetron Sputtering machine*

*Optimization User Guide Of*

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*???????? ???? ??????? ???*

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technology, communications  
technology, The aim of this  
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software on a computer to  
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optimization of a single-  
phase high voltage power  
supply for industrial ...

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power supply for  $N = 2$   
magnetrons using the tool  
Matlab-Simulink. The paper  
is organized as follows:  
Firstly, we discuss the  
modeling of the single-phase



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power supply currently used in the microwave generators. The modeling with Matlab-Simulink uses the power supply of the model developed by Mr. Chraygane of the transformer which is a ? quadruple. The results will be compared with those

~~New Simulation Method of New  
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power supply is as shown Fig 3.1. Fig.3.1: Block diagram of the power supply design for magnetron 3.1.1 Power Supply card Input to the power supply card is three phase 220vac and it converts AC to DC supplies the necessary power 5v, +12v, -12v to the control card. 3.1.2 Control card Output of the power supply card is given to the control card to provide the proper supply to the

~~Design And Development Of Magnetron Power Source From~~

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The cavity magnetron is a high-powered vacuum tube that generates microwaves using the interaction of a stream of electrons with a magnetic field while moving past a series of open metal cavities (cavity resonators). Electrons pass by the openings to these cavities and cause microwaves to oscillate within, similar to the way a whistle produces a tone when excited by an air stream blown past its ...

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~~Cavity magnetron - Wikipedia~~  
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supply. This model is  
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kW / 2.45 GHz magnetrons on  
the market. The output power  
can be infinitely adjusted

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between 600 – 6000 W by  
controlling it via the PLC  
interface or the fieldbus  
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is available for 400, 440  
and 575 V and works  
perfectly with our 6kW  
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and the dimensioning of its  
new own HV transformer with  
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~~Modeling of a New Single-  
Phase High Voltage Power  
Supply ...~~

used in this kind of power supplies with nine magnetrons (three for each phase). Unlike the old power

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supplies already developed, whether single-phase magnetron 800Watts-2450Mhz or three-phase of three magnetrons 2400Whats-2450Mhz [1-3]. This new technology of nine magnetrons is optimized compared to that previously developed [4].

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