



ZEONICS SYSTECH
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



Custom-built User-friendly HV Systems



Proudly Made in INDIA



At Zeonics Systech ever since the inception of Zeonics Systech in the year 1981, we have been designing and developing all sorts of custom-built high voltage equipment, sub systems and assemblies. Basic designing of assemblies and sub systems is a very tricky job and has to be specifically designed for the needs of the customer. These kinds of systems are very rarely manufactured by industry since they are mostly one off systems.



High Voltage Magnetron Crowbar Unit (Left)

1. Working Voltage : 150kV D.C.
2. Power : 1 Mega watts
3. Crow Bar Current : 20kA
4. Type No : Z/34/40

High Voltage D.C. Power Supply (Right)

1. Input : 440Volts 50Hz 3Ø
2. Output : 0 to 600kV D.C. at 10mA
3. Type No : ZHS/001/ AMJI/08



Series Fired Marx System

1. Working Voltage : 50kV D.C. (Input)
2. Output Voltage : pulsed 500kV
3. Output Current : 10kA
4. Type No : Z/40/150



20kV DC Custom Built Pulse Power System

1. Voltage : 20kV D.C.
2. Energy : 7.5 kJ , 15.0 kJ, 20.0 kJ
3. Duty : Continuous
4. Current : 100kA to 200kA
5. Triggering : Optically
6. Power Source : Battery
7. Type No : AMJI/ZHS/005

Applications

We have built High voltage DC power supplies in the region of 500kV, 600kV DC at 50Hz, 600kV DC with high frequency inverter technology, High voltage Magnetron Crowbar unit for crowbaring Magnetron systems in the region of 1MW power and voltage of the order of 100kV to 150kV, all with energies of upto 300kJ.

High Voltage Series fired Marx system for high repetition rate systems where we have gone to repetition rate of 100pps.

High Voltage linear accelerator systems used for high frequency based multiplier technology as well as other technologies.

Advantages

The advantages of our systems are the totally indigenous design and that most of the spares are developed and manufactured at Zeonics. Hence, it is very easy to do repair and maintenance because everything is available in-house.

Also it is very important that these systems are designed taking into consideration all the requirements of the customers. Hence, the system becomes in-situ system by which the systems can be directly integrated into the customer's requirements.

Contact:

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