



EMSC, LLC

Electro Magnetic Sciences Company

755 Main Street, Building 2, Monroe, CT 06468 USA

(203) 268-5101 Voice (203) 268-5144 Fax

www.EMSC-LLC.com

COMPANY PROFILE

Looking for high quality light sources and research grade, low noise lamp power supplies?

EMSC can provide a solution!

- We provide highly stable, low noise light sources and light controlling devices for optical spectroscopy, microlithography, photolithography, uv-vs-ir detectors, chromatography, medical instruments, physics research and other related applications.
- EMSC specializes in xenon, mercury and xenon(mercury) short-arc lamp power supplies, and offers them in the power range of 35 to 3000 Watts. Our capabilities span from research grade linear type to the switch-mode light sources that can be remotely controlled. We also design special light systems for OEM customers.
- With over three decades of experience in the design and manufacture of instrumentation for analytical chemistry, spectroscopy and spectrophotometry, we understand the requirements necessary to make our products truly research grade. They are manufactured to the highest of standards. Each unit delivers dependable, high performance, allowing you to focus on your results.

EMSC light controlling devices are designed for high performance and reliability.

EMSC PRODUCTS

- Our products are built to perform under extreme conditions. Each power supply is burned in at an elevated temperature and line voltage for 24 hours, and must meet our exhaustive quality inspection before being released for shipment.
- The exceptional reliability is backed by extensive warranty. Our instruments are designed to comply with most world safety agency standards. For additional safety, we feature a unique interlock system which addresses numerous safety concerns.

Our philosophy is to offer only the best research grade products to our customers.

COMPUTER-BASED LIGHT CONTROL

- Using either the optional embedded MicroController, optional Parallel Interface controller or analog and digital inputs and outputs provided on the remote connector, you can control our products with a PC. The embedded MicroController option utilizes PC/104 buss making it expandable to use numerous accessories available for it. With this option, the microprocessor regulates the whole system, controlling lamp light output, lamp temperature, interlocking, power supply monitoring and customer defined functions. Utilizing RS232, it communicates information to the outside world. The Optional Parallel Interface makes it possible to use the power supply remotely. All the front panel functions as well as some that are not available from the front panel, are accessible from a PC-based Windows type visual interface. With information available in the manual, the end user can customize control of the power supply.

All EMSC products can be remotely controlled.

RESEARCH & DEVELOPMENT

- EMSC has created a highly motivated and talented team of hardware and software engineers committed to excellence and a great sense of pride in the results of their efforts. We have acquired core expertise in the design of high performance, research grade light controlling devices.

SALES

- Many of EMSC's customers are high profile industry leaders from around the globe and in such diverse fields as electronics design; manufacturing; research; and education. Whether they are helping design products for the Space Shuttle or conducting highly complex neurological research, our customers are very discriminating in their instrument purchases.
- OEMs represent a major growth opportunity. EMSC has forged strategic relationships with major customers by either customizing EMSC products to the customer's demanding technical specification and/or by providing the added support required by these volume accounts. OEMs work with EMSC on an ongoing basis because they need a reliable, long-term strategic partner who will supply the required product and support.

MARKETING

- Advertising, public relations and customer support are the foundations for EMSC marketing efforts. In 1999 EMSC established a World Wide Web site at www.EMSC-LLC.com and has received many sales inquiries via this increasingly important sales channel.

SERVICE AND SUPPORT

- Customer service is of fundamental importance to us. Customers make an investment in trust as well as product when they buy from EMSC. Customer service begins when we design and manufacture each of our products. EMSC designs its products with quality and service as basic parameters. Ridged tolerances are used; only the best quality parts are purchased; professional assemblers construct each unit; and ridged testing is applied.
- EMSC has a team of dedicated customer support specialists who are ready to answer all questions in a timely and informed manner. The foundation of EMSC's reputation lies in our prompt attention to customer needs, resulting in a high level of customer satisfaction.

FOR MORE INFORMATION:

Please contact us:

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Please visit our website at www.EMSC-LLC.com
Email questions or comments to:
questions@emsc-llc.com