



Ion Laser Cathodes

Semicon Associates has been a leading supplier of cathode filaments for ion lasers for over 25 years. Ion lasers are used in the medical, printing, and entertainment industries. They are also used for research in molecular microscopy and other fields.

A variety of custom configurations and processing is available to the user including a selection of aluminate impregnant mole ratios, various surface treatments for uniform thermal emissivity, value added assemblies, and others. Laser cathode machining is accomplished using CNC machines producing tolerances of ± 0.001 " or better as required, while maintaining surface finishes of 32 microinches or better. Typical discharge currents range from 5 to 50 amps.

Strict process controls in a production work cell specifically for ion laser cathodes have allowed Semicon Associates to achieve high part yield at low cost and remain a leading supplier to the ion laser cathode market.

At Semicon Associates, we control the manufacturing process from raw materials to finished product, ensuring consistent high quality.

Beyond technical expertise, we offer a market and team driven approach. Semicon Associates will partner with you to develop customized solutions tailored to your needs. Our partnership continues after the sale is completed to ensure you get maximum benefit from your purchase.



a ceradyne company

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