



Fusion UV® Unequaled Quality, Fast & Easy Ordering

Quality you can trust

Fusion UV revolutionized the UV curing industry with the invention of microwave-powered UV curing technology in 1971. Today we manufacture the highest quality spare parts available to the industry. Why risk losing thousands of dollars in lost production by not using Fusion UV genuine parts. Maintain your original system warranty. Gain the most reliable UV system performance to help prevent unexpected and costly downtime. Use genuine OEM parts.

Our commitment to quality is unsurpassed

Over 100,000 UV curing systems operate worldwide for more than 10,000 loyal customers who depend on our quality parts for reliable and consistent production.

Since 1993 we have maintained full ISO certification and are currently certified to the newest ISO standard, 9001:2015. This demonstrates our commitment to provide the highest quality components, systems, support, training, process development and after-sales service.

Fusion UV lamp systems undergo stringent testing and obtain certification such as UL and CE.

Fusion UV®


excelitas®

Bulbs

100% Manufactured by Fusion UV

Fusion UV pioneered electrodeless bulb technology. Our technical expertise, quality programs, proprietary manufacturing processes and repeatability of lamp performance have set the standard for the industry.

Our stable and consistent bulb output is well documented in our ongoing life testing facility. Data collected on individual bulbs over a period of thousands of hours shows no change in bulb spectra and output power.

During manufacture, we mark each bulb with a unique code and serial number for traceability of the part and its materials. Visual and dimensional inspections, and a final operational test, using a NIST traceable standard for bulb output, measures and records spectral radiance – this ensures consistent performance from bulb to bulb, every time.

Fusion UV's high quality, high grade quartz bulbs are **fully guaranteed to last 8,000 hours***, with an even longer lifetime reported by most users.

Our bulbs contain a small amount of mercury as part of the fill contents similar to a fluorescent bulb. Like fluorescent tubes, UV bulbs must be disposed of properly and in accordance with local, state, or federal regulations.

Fusion UV is compliant with guidelines established by the Interstate Mercury Education & Reduction Clearinghouse (IMERC).

*6,000 for additive type bulbs

Magnetrons

Magnetrons provide the microwave energy that powers the electrodeless bulb in our microwave-powered UV lamp systems. Our magnetrons are designed specifically for use in our microwave lamp systems in cooperation with our suppliers. Our magnetrons go through stringent testing, which sometimes lasts years. Most other magnetrons are designed for use in commercial microwave ovens.

Our magnetrons are **warranted on a pro-rated basis for up to 8,000 hours** depending on the model. Most users report lifetimes in excess of the warranty period.



Reflectors

Using high quality material and a high efficiency elliptical design, the reflector focuses the maximum amount of the bulb's UV energy onto the substrate.

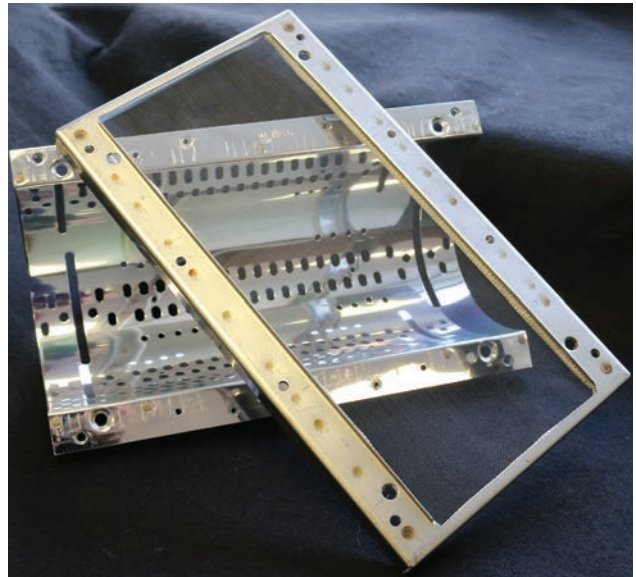
A properly maintained reflector will last a long time. How long? Tests conducted in our life test facility show that a standard R500 reflector, cleaned periodically per standard cleaning procedures, remains consistent to +/-10% in peak irradiance and UV exposure after 14,000 hours of operation!



Screens

Our RF screens are designed and constructed using the highest quality materials to handle extreme operating environments and provide long lasting, reliable operation.

Unless damaged by mishandling, RF screens will last for years.



Customer Support

Global Technical Service is responsible for worldwide after-sales support which includes:

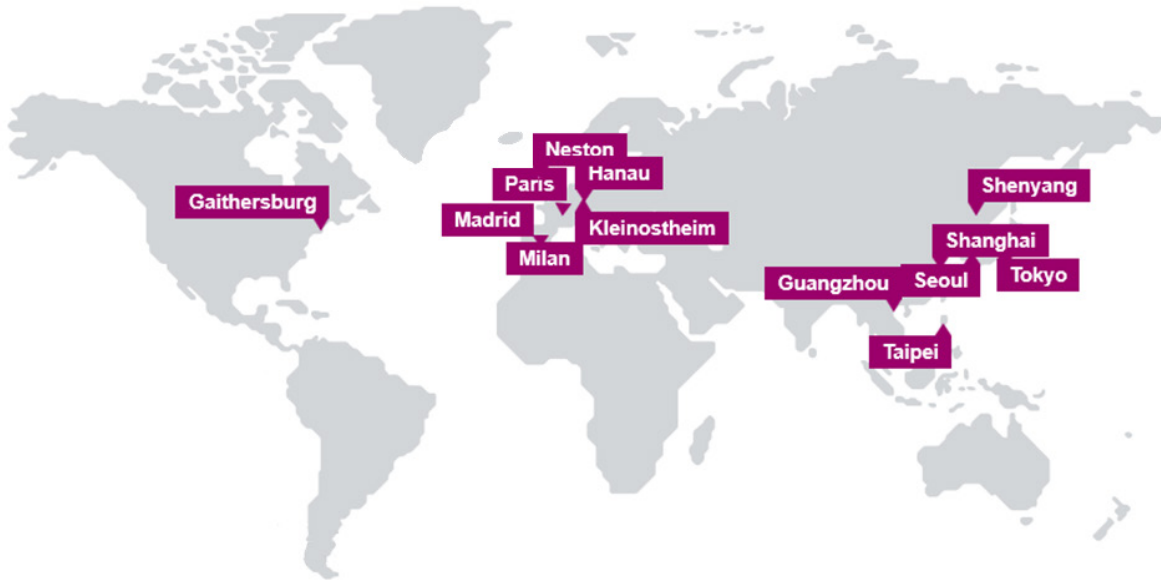
- Repair services (whether returned to an Excelitas Technologies Corp. office or at the customer site)
- New equipment commissioning
- Maintenance and operator training
- Telephone/email/fax support
- Maintenance programs (such as multi-level service contracts)
- Certified rebuilt equipment.

The **Applications Engineering Group** concentrates on optimizing a customer's UV process or proposed process and assisting with troubleshooting their UV curing process. This group's expertise includes:

- UV system specification including lamp type, optics and system sizing
- Machine design concepts including part conveyance and lamp orientation and/or integration
- Air handling systems
- Measurement (radiometry and thermometry)

Applications Engineering oversees and operates applications labs for developing, demonstrating or refining processes using any of a wide range of UV curing equipment available, including all lamp and bulb types.

REGIONAL PRESENCE - WORLDWIDE



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ISO 9001 Certified QMS

