

**PROFESSIONAL SUPPLIER OF UV LAMPS
SPECIALIST IN UV LIGHT SOURCES**

COMPANY PROFILE

- Tech Chaska Pvt Ltd is market-oriented professional Energy Curing Company specializing in supplying all types of Energy Curing Lamps such as UV, IR & LED under brand SUPER CURE for various industrial applications.
- We source our UV Lamps from Reputed UV Lamp Manufacturers from US, UK, Korea, Taiwan & China. We supply OEM Quality Direct Replacement UV curing lamps for virtually all UV Systems Local or Overseas. You will receive exactly the right lamp for your requirement.



- Tech Chaska Pvt Ltd supplies an extensive range of Mercury & Metal halide SUPER CURE UV lamps covering all known UV Curing systems. Our Team has vast Technical knowledge & Expertise and are also working with OEM's ensuring end users to develop & Bespoke solutions to their curing needs.
- We can also design the UV Lamps in accordance with Specific Curing Requirements of the customer.
- Our Lamps are produced by some of the Highest Skilled fabricators in the UV Lamp Industry at state of the art manufacturing facilities that incorporates all of the latest Modern manufacturing Techniques and Methodology

APPLICATIONS

- SUPER CURE Medium Pressure & Metal Halide UV Lamps are widely used in PCB Industry UV Exposure Lamps and UV Curing Lamps for Printing Industry and have many other applications in Industry, Health & Hygiene

Curing



- ✓ Wood / Tiles coatings
- ✓ Food & Beverage
- ✓ Automotive
- ✓ Sterilization Equipment
- ✓ Crystal Electronics / Semiconductors
- ✓ Graphics

Printing



- ✓ Silk Screen
- ✓ Letterpress
- ✓ Digital
- ✓ Flexo
- ✓ Electronic Circuit Board Printing
- ✓ Label
- ✓ Metal
- ✓ Glass
- ✓ Narrow & Wide Web

QUALITY ASSURANCE

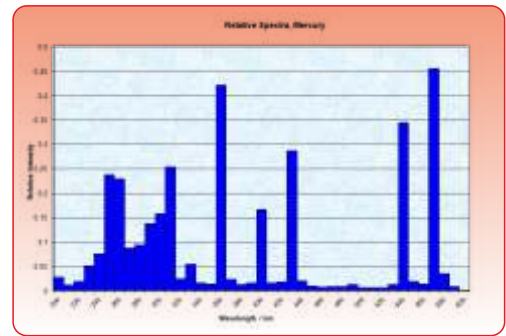
SUPER CURE lamps are made of the Finest Purity Quartz Ensuring Highest Possible Transparency of UV Emission along with purest Metal Halide materials combined with very latest environment controlled equipment to ensure consistent reliable spectrally enhanced output on all UV lamps providing trouble free Reliable Long Life of 1000 Hours even in Hardest Running environments.

Our Capillary Sealed (Roll Sealed) lamps are made by hand using the vacuum within the lamp to form accurately the heated quartz around the conducting foil. This method allows for short, specialized high-quality production runs such as for high current double foil designs.

Super Cure Medium Pressure ARC Discharge (MPAD) Mercury UV Lamps

- Super Cure is a specialist supplier of Extremely High Quality Medium Pressure Arc Discharge (MPAD) UV Lamps which are used in an ever increasing range of industries.
- With Especially high Emission in the UV-C Range, SUPER CURE UV Lamps provide precise and accurate curing for Printing Process that use Pigmented UV Inks & Varnishes.

SUPER CURE Mercury UV Lamp Range	
LAMP POWER	1000 WATTS – 35,000 WATTS
LAMP ARC LENGTH (CURING AREA)	8 cms - 350 cms
LAMP OPERATING VOLTAGE	150 Volts – 2800 Volts
LAMP OPERATING AMERAGE	5 Amp – 35 Amp
LAMP TUBE RANGE (OUTER DIAMETER)	9 mm – 40 mm
SUPER CURE is always happy to Discuss any specific design outside of our Existing Range	



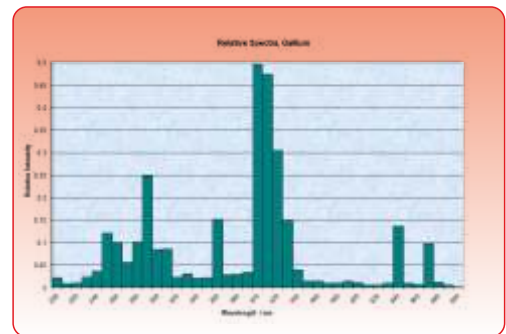
Super Cure Medium Pressure Arc Discharge (MPAD) Metal Halide UV Lamps

By adding other Additives such as Gallium, Iron & Indium, etc to the Mercury Lamps SUPER CURE is able to supply range of Spectrally Enhanced Metal Halide UV Lamps. These Additives shift the UV Spectral Output to the Longer Wavelengths allowing a deeper cure where thicker coatings are required. This provides a particular advantage to industries specializing in the manufacture of PCB's, Coated Wood, Electronics, Fiber Optics and Many More.

MPAD METAL HALIDE GALLIUM UV LAMPS

Metal Halide, Gallium Doped lamps have higher emissions in the longer UV Wavelengths & are suitable for thick layered & Pigmented Inks (Opaque White) & Varnishes which require Penetrative curing.

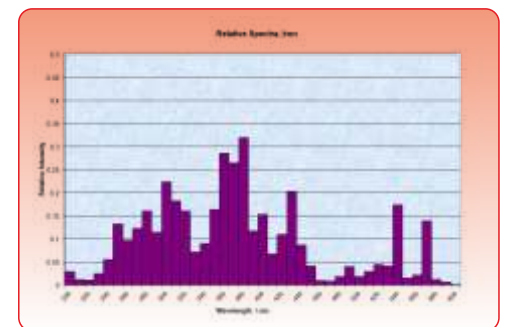
SUPER CURE GALLIUM UV Lamp Range	
LAMP POWER	1000 WATTS – 16,000 WATTS
LAMP ARC LENGTH (CURING AREA)	8 cms - 150 cms
LAMP OPERATING VOLTAGE	90 Volts – 2800 Volts
LAMP OPERATING AMERAGE	5 Amp – 35 Amp
LAMP TUBE RANGE (OUTER DIAMETER)	9 mm – 30 mm
SUPER CURE is always happy to Discuss any specific design outside of our Existing Range	



MPAD METAL HALIDE IRON UV LAMPS

Metal Halide Iron Doped Lamps have a high UV-A & UV-B content and so are the right choice for curing thickly Layered Inks (Blacks)

SUPER CURE IRON UV Lamp Range	
LAMP POWER	1000 WATTS – 16,000 WATTS
LAMP ARC LENGTH (CURING AREA)	10 cms - 150 cms
LAMP OPERATING VOLTAGE	150 Volts – 1500 Volts
LAMP OPERATING AMERAGE	6 Amp – 25 Amp
LAMP TUBE RANGE (OUTER DIAMETER)	9 mm – 32 mm
SUPER CURE is always happy to Discuss any specific design outside of our Existing Range	



REFLECTORS & POWER SUPPLIES

The importance of reflectors within the UV system should not be under-estimated; UV reflectors are responsible for the reflection of between 50 and 70% of the UV energy source. Super Cure also Supplies range of Reflectors

Dichroic: These reflect visible light and allow infrared radiation to pass through. This type reduces heating of illuminated objects since less infrared radiation is present in the light beam. (However, dichroic reflectors must only be used in compatible fixtures that can dissipate the heat. Dichroic reflectors must not be fitted to recessed or enclosed luminaires with the IEC 60598 No Cool Beam symbol.)

Aluminium: These can be used for low wattage applications in free air or forced air-cooling of UV lamps in an end cooled reflector assembly, or centre cooled reflector assembly. These are commonly used for focusing ultraviolet light from a medium pressure mercury vapour lamp, UV curing lamp or metal halide lamp as metal halide reflectors.

Electronic Power Supplies: Intelligent UV variable frequency Power Supplies are Much Energy Efficient compared to the traditional Transformers. Contact Super Tech Sales Team for upgrading your existing Transformer based UV System to Electronic Power Supply.

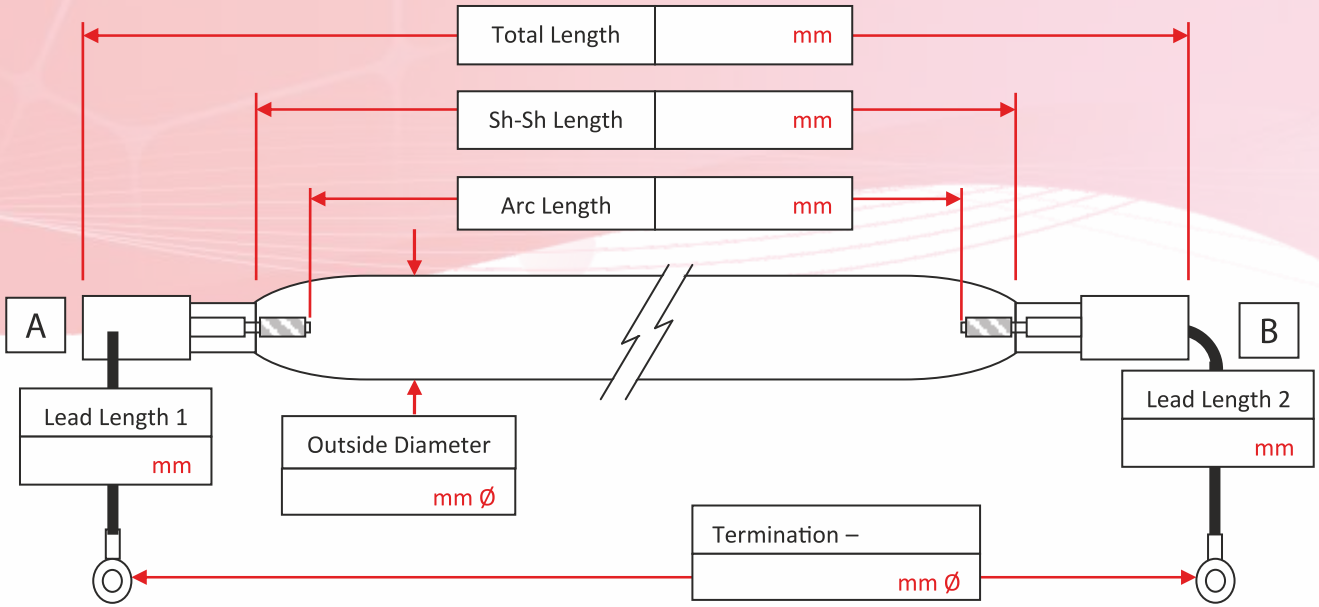
LAMP IDENTIFICATION FORM :-

MANUFACTURER DETAILS -

MACHINE MANUFACTURER		LAMP MANUFACTURER	
LAMP PART NUMBER		LAMP SERIAL NUMBER	

LAMP OPERATING DETAILS -

LAMP POWER (kW)		W/CM - W/INCH	
LAMP VOLTAGE (V)		LAMP CURRENT (A)	
OUTPUT	Mercury (Hg)	Gallium (Ga)	Iron (Fe) Other



ADDITIONAL INFORMATION -

ENDFITTING	METAL	CERAMIC	END FITTING DIMENSIONS 			
LEAD EXIT	A	B			A	mm
SEAL TYPE	PINCH	ROLL			B	mm
STARTING WIRE	YES	NO			C	mm
Please provide separate drawings if required			D	mm		

CONNECTED POWER SUPPLY TYPE - TRANSFORMER // EPS (IF YES - MODEL NO.....)

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