



ISTINTECH

UV LED CURING SPECIALISTS

UNRIVALLED UV LED CURING TECHNOLOGY



**AIR COOLED & WATER COOLED
UV LED SOLUTIONS FROM IST INTECH**

Z SERIES (AIR COOLED)

PINCURE Z



Pincure Z offers a powerful solution in a compact and lightweight package for ultimate high speed pinning between inkjet printheads.

| | |
|--------------------|----------------------------|
| Wavelength | 395nm, 365nm, 385nm, 405nm |
| Power | 3 W/cm ² |
| Dimensions (LxWxH) | 80mm/120mm x 20mm x 234mm |

MZ



MZ is a compact, cost effective yet high performance aircooled UV LED solution which can be used for heavy pinning or full cure.

| | |
|--------------------|----------------------------|
| Wavelength | 395nm, 365nm, 385nm, 405nm |
| Power | 6W/cm ² |
| Dimensions (LxWxH) | 30mm x 82mm x 120mm |

SZ



The SZ has up to 14w/cm² peak irradiance and a lightweight construction, designed for the wide format printing and industrial markets.

| | |
|--------------------|----------------------------|
| Wavelength | 395nm, 405nm, 385nm, 365nm |
| Power | 14w/cm ² |
| Dimensions (LxWxH) | [X]mm x 86mm x 202mm |

Z SERIES (AIR COOLED)

VZ



The VZ is specifically designed for the needs of the Super Wide and Grand Format Printing industry with 16W/cm² output, and 20% more dose than it's sister product the SZ

| | |
|--------------------|----------------------------|
| Wavelength | 395nm, 405nm, 385nm, 365nm |
| Power | 16w/cm ² |
| Dimensions (LxWxH) | [X]mm x 86mm x 202mm |

VZX



The VZX has up to 22w/cm² peak irradiance, with a high dose output, the VZX is especially suited to high speed single pass applications in graphics or industrial applications.

| | |
|--------------------|----------------------------|
| Wavelength | 395nm, 405nm, 385nm, 365nm |
| Power | 22w/cm ² |
| Dimensions (LxWxH) | [X]mm x 116mm x 202mm |

VARICOOL

VARlcool

VARlcool technology specifically for air-cooled UV LED systems, is a closed loop electronic system which automatically adjusts the air-cooling to individual segments within the total length of the LED array according to both the ambient temperature and the working duty cycle, delivering a consistent output even in working environments of up to 45 degrees centigrade. Further ensures a totally consistent and even output along the length of a UV LED head even on the longest of UV LED arrays. Greatly reduces the fan noise traditionally associated with air-cooled LED's down to market leading low levels, as low as 56dBa.



C SERIES (WATER COOLED)

PINCURE C / CX



Pincure C & CX UV LED offers a powerful solution in a compact water cooled package for ultimate high speed pinning between inkjet print heads.

| | |
|--------------------|--|
| Wavelength | 395nm, 365nm, 385nm, 405nm |
| Power | C - 3.5 W/cm ² CX - 10 W/cm ² |
| Dimensions (LxWxH) | C [X]mm x 20mm x 148mm CX [X]mm x 20mm x 250mm |

NC / NCX



The NC series is specially designed for extremely small integration spaces with high power requirements.

| | |
|--------------------|---|
| Wavelength | 395nm, 365nm, 385nm, 405nm |
| Power | NC - 20W/cm ² NCX - 30W/cm ² |
| Dimensions (LxWxH) | [X]mm x 20mm x 190mm |

SC / SCX



The SC series has class leading dose and unmatched linearity output, with a slim and ultra compact architecture enabling easy integration.

| | |
|--------------------|---|
| Wavelength | 395nm, 365nm, 385nm, 405nm |
| Power | SC - 20W/cm ² SCX - 28W/cm ² |
| Dimensions (LxWxH) | [X]mm x 74.4mm x 162mm |

C SERIES (WATER COOLED)

STEADYCOOL

STEADYcool

STEADYcool is specifically for water-cooled UV LED systems. Specially designed water passages fitted with dynamic flow devices which greatly enhance the water cooling surface area ensuring maximum thermal transfer and cooling efficiency. This ensures totally even cooling to within 5 degrees Centigrade and consistent UV output even on the longest of arrays. Eliminates the need for multiple water entry points and the complexity of plumbing which often leads to leak points. Operating with 22-25 degree Centigrade cooling water eliminates the risk of condensation and greatly reduces the cost and energy hungry duty cycles associated with water chillers.



PORTABLE UV CURING

AC-500



Integration Technology has developed the highest intensity UV LED handheld products available on the market for automotive and industrial UV curable paints, fillers, adhesives and topcoats.

| | |
|--------------------------|------------------------|
| Wavelength | 365nm, 395nm, 405nm |
| Peak Rated Optical Power | 280 mW/cm ² |
| Dimensions (LxWxH) | 225mm x 260mm x 163mm |

AC-850



AC-850 – is a handheld UV LED unit which at 850 mW/cm² offers an unrivalled curing performance. At 125x125mm (5"x5") curing area with No heat, No mercury, No ozone, means a safe and fast curing system to increase production efficiency.

| | |
|--------------------------|------------------------|
| Wavelength | 365 nm, 395 nm, 405 nm |
| Peak Rated Optical Power | 850 mW/cm ² |
| Dimensions (LxWxH) | 200mm x 163mm x 155mm |

UV LED PRODUCTS

XT8 TECHNOLOGY

IST INTECH offers several ranges of standard light UV curing and UV LED curing sources, which can be sold alone or as part of a fully integrated modular system.

Two technologies STEADYcool and VARICool, solutions for water and air cooling respectively, offering a consistent, quieter and steady cooling performance.

With XT8 UV LED Booster technology, our latest systems achieve an extremely high output and dose which greatly increases cure speeds offering customers a wider choice in all applications.



UV & UV LED SUPPORT

GLOBAL SUPPORT NETWORK

GLOBAL NETWORK OF UV AND UV LED CURING SOLUTIONS

From our offices in the UK, USA, South Korea, Japan, China and Brazil, we provide ongoing regional support to Machine builders, OEMs and Integrators, ink suppliers, printhead manufacturers, and advanced manufacturing technology developers.

As part of the Metz Holding group, with more than 600 combined staff globally, we are able to offer the largest product portfolio of UV and UV LED curing solutions in the world.

