INTEGRATION TECHNOLOGY

VZ 16W/CM² UV LED
INNOVATIVE, AIR-COOLED UV LED

VZ

VZ LEDcure 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 LEDcure. Over the years the SubZero and VZero products have been established as some of the world's leading UV curing systems for inkjet applications. Now Integration Technology is introducing the next generation of the family; VZ LEDcure.

The Research and Development team at ITL have used all of the proven features and benefits of their existing LED systems and refined them to new levels in a market leading new air-cooled UV LED Curing device. When compared to the older generation of LED systems, remarkable progress has been made in the drying performance of VZ LEDcure.

By combining and integrating ITL's latest XT8 high efficiency array and VARIcool technologies, the VZ LEDcure enables users to achieve higher efficiency and more output in terms of both intensity and dose.

HIGH-PERFORMANCE LEDS
VZ LEDcure is ready to use immediately after switch on, there is no warm-up or cooling times, which saves both time and energy. LEDs have a long service life of greater than 20,000 hours, and in addition modules in the VZ LEDcure can be easily replaced if required for either upgrade or servicing. Available wavelengths: standard 395nm, or alternative wavelengths of 365nm, 385nm, 405nm, or mixed wavelength arrays are available on request.

WARRANTY
Integration Technology grants a warranty of five years on each XT8 LED module. Older systems can also be upgraded with the XT8 technology, then this warranty also applies to those modules.

XT8: UV LED BOOSTER
New UV LED systems from ITL are all fitted with the innovative XT8 boost technology as standard. With XT8 UV LED Booster technology, the system reaches an extremely high output and dose which greatly increases cure speeds offering customers a wider choice in all applications. An extended service life is achieved since the semi-conductor chips are not being driven as hard when compared to other products on the market. The 30% boost in efficiency is available for systems fitted with 365, 385, 395 or 405nm or mixed wavelength arrays, first introduced by ITL in 2010.
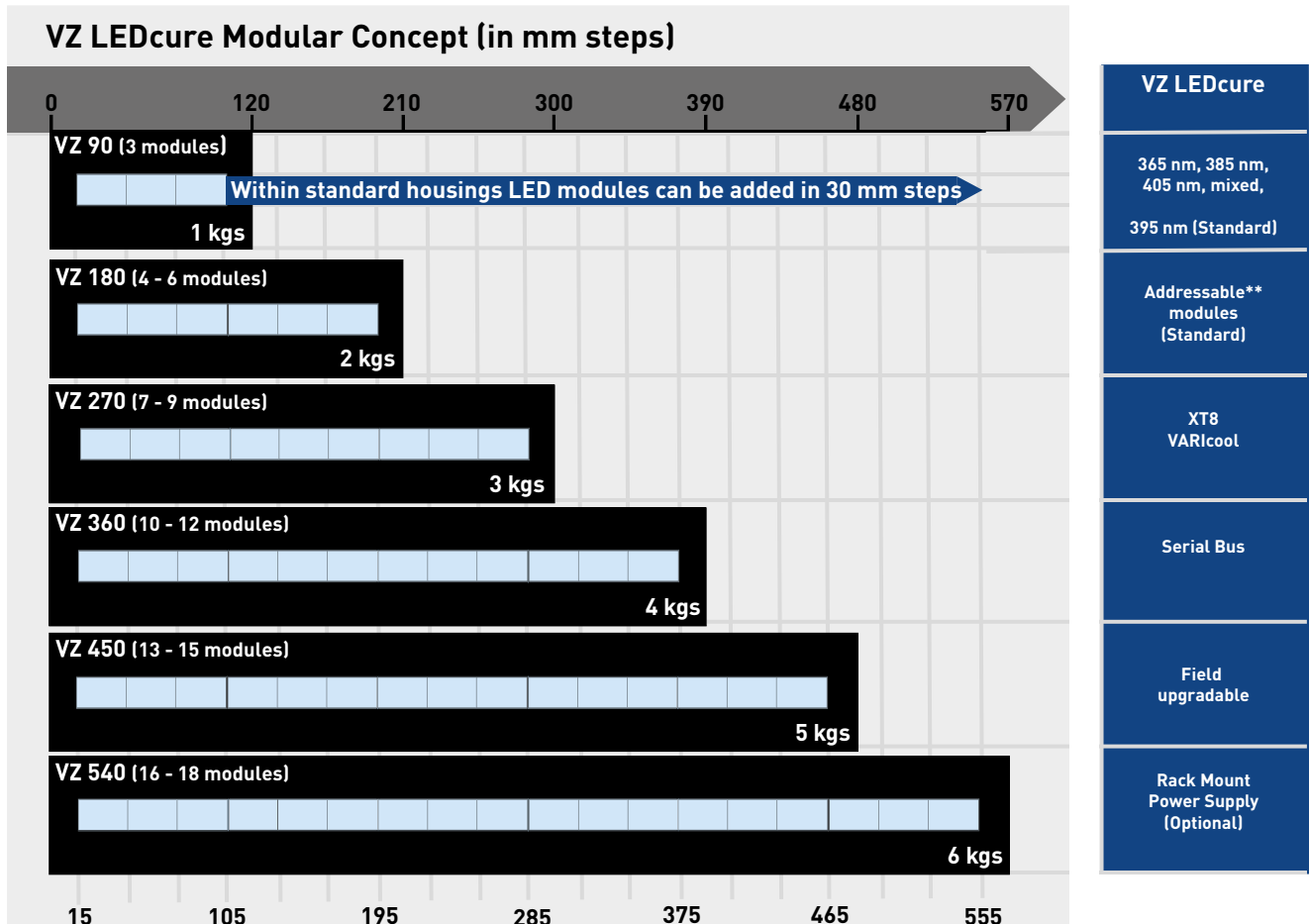
VARICOOL TECHNOLOGY
The VARIcool controls the cooling according to ambient temperatures delivering a consistent output in all working environments while minimising the noise and turbulence normally associated with fan cooling.

HIGH FLEXIBILITY

VZ LEDcure is specifically designed for the needs of the Wide Format Printing industry with 16W/cm² output, yet 20% more dose than it's sister product the SZ LEDcure. The modularity of VZ LEDcure allows to fully customize the system in a single housing greatly simplifying cabling. Sizes of housings are specially designed to fit in all different models of printers with bus connectivity available as standard. According to the print width, LED arrays can be switched on/off (Addressability) or added inside the housing in 30 mm steps.

VZ LEDcure Modular Concept (in mm steps)

VZ LEDcure
365 nm, 385 nm, 405 nm, mixed, 395 nm (Standard)
Addressable** modules (Standard)
XT8 VARIcool
Serial Bus
Field upgradable
Rack Mount Power Supply (Optional)

0 — 120 — 210 — 300 — 390 — 480 — 570

VZ 90 (3 modules)
Within standard housings LED modules can be added in 30 mm steps
1 kgs

VZ 180 (4 - 6 modules)
2 kgs

VZ 270 (7 - 9 modules)
3 kgs

VZ 360 (10 - 12 modules)
4 kgs

VZ 450 (13 - 15 modules)
5 kgs

VZ 540 (16 - 18 modules)
6 kgs

15 — 105 — 195 — 285 — 375 — 465 — 555

- **VZ LEDcure head input voltage:** 48 v.d.c.
- **Operating temperature:** < 40°C
- **Noise:** decreased noise by VARIcool

- **Cable length:** 8 m (High Flex) for drag chain standard (alternative lengths available)
- **Dimensions of LED head:** Width 70 mm x Height 202 mm, Emmitting Window: Width 20 mm

VZ LEDcure is designed as LED head only option. Integration Technology will provide all relevant protocol information required and support potential clients with furnishing their own power supply units. Alternatively the VZ LEDcure can be supplied as fully configured package including cables and power supply.

* 395nm at the emmitting window using an EIT Power Map UVV sensor
** Addressability patented by European patent: EP1599340/ GB2399162, Cross licence with Lumen Dynamics Group Inc. U.S. Patent No. 6,683,421

⚡ WE HAVE THE CURE