

PRESS RELEASE

**Optimised Photochemistry module for GSM chip reactors**

**The new PHOTOCHIP™ high power LED photoreactor module**

from **Uniqsis** provides chemists with a benchmark tool to run photochemical reactions with highly efficient mixing and accurately controlled temperature.



**Caption :** PHOTOCHIP™ GSM photoflow reactor with power supply (Courtesy : Uniqsis)

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## **The PHOTOCHIP™**

is an easy-to-use device - design optimised to perform photochemical reactions in the complete range of Uniqsis **Glass Static Mixer (GSM)** reactor blocks, also known as **GSM chip reactors**.

### **Accommodating**

either one large format or two compact format Uniqsis GSMs - chemists can choose a PHOTOCHIP™ module operating at a wavelength (365nm, 385nm, 420nm, 450nm, 460nm or 525nm) to match the excitation wavelength of their desired photochemistry.

### **The high-power LEDs**

used in the PHOTOCHIP™ module require liquid cooling and, where the reaction temperature is close to room temperature, either a cold-water supply, or a recirculating system can control both the reactor and LED temperatures by connecting the respective cooling circuits in series.

### **Each PHOTOCHIP™ module**

has an interlock which prevents exposure to high intensity light by cutting power to the LEDs if any attempt is made to remove the light unit whilst switched 'on'. A thermal switch protects the LEDs if they are powered without adequate cooling.

### **For more information**

visit [www.uniqsis.com/paProductsDetail.aspx?ID=PHOTOCHIP](http://www.uniqsis.com/paProductsDetail.aspx?ID=PHOTOCHIP) or contact Uniqsis on +44-1223-942004 / [info@uniqsis.com](mailto:info@uniqsis.com).

## **Uniqsis**

**Ltd.**

Since 2007, Uniqsis has specialised in the design and supply of mesoscale continuous flow chemistry systems for a wide range of applications in chemical and pharmaceutical research. The company's aim is to make flow chemistry easily accessible to both novices and experienced users.

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