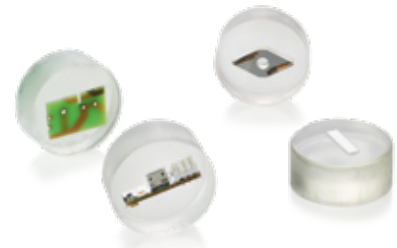


UV MOUNTING DEVICE Qmount



MULTI-TASK VERSATILITY

Due to the very short process times, the Qmount opens up the possibility of producing transparent, materialographic standard mountings of various materials very quickly and cost-effectively.



The Qmount is a modern device for the light-curing-based mounting of materialographic samples.

The samples are placed in the device which is equipped with customized, powerful LED technology. The UV transparent mounting moulds

are filled with the UV curing resin. The transparent sample can be removed within a very short time frame. A suction unit from the QATM portfolio can be connected to the device to increase work safety.



VERY FAST MOUNTING

The compact device is equipped with specially developed and durable LED boards, which irradiate the samples highly efficient with UV radiation of a very narrowly tolerated wavelength range (emission maximum at $\lambda = 365 \text{ nm}$) and allow standard samples to cure within 60 seconds.



HIGH SAMPLE CAPACITY

The device contains a scratch-resistant glass plate (200 x 260 mm) which enables the simultaneous curing of up to 12 samples with a diameter of 40 mm. The simple design guarantees an easy cleaning of the working space.



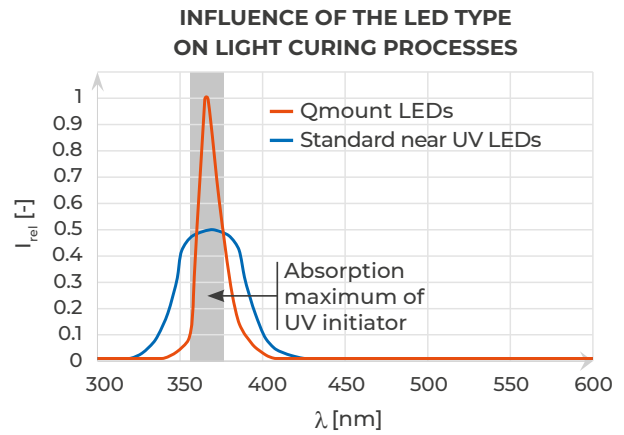
EASIEST OPERATION

The process parameters are clearly shown on a color display and can be continuously adjusted using a rotary knob. The mounting process is started, paused or ended using the QATM start-stop button. An acoustic signal informs the user at the end of the process.

HIGHLY EFFICIENT UV LED TECHNOLOGY

To minimize loss of electric power the Qmount is equipped with specialized UV LEDs. These show a very slim emission spectrum, which maximum superimposes with the absorption maximum of the KEM 50 UV initiator. This enables shorter curing times with a low electric consumption.

UV initiators get the necessary activation energy for the initiation reaction by absorbing UV radiation. Every molecule has a specific absorption spectrum, which shows certain wavelength areas in which the absorption coefficient of the molecule is particularly large. Outside of the so called absorption maxima a large portion of the emitted radiation is lost. Standard UV LEDs usually emit a significant amount of radiation besides the wavelength intervals in which the initiator has a good absorption. This radiation is converted to heat.



BASIC MODULE

Qmount

- | UV mounting device for fast specimen mounting
- | Solid aluminum housing, powder-coated
- | Hood with soft-close hinges
- | Highly efficient LED boards with reflector sheets
- | Color display with adjustable curing time
- | Start-stop function with status display
- | High sample capacity
- | Scratch-resistant, easy-to-clean sample support surface
- | Automatic switch-off if opened prematurely
- | Connection for external suction (to be ordered separately)
- | Incl. Qmount Starter set with consumables

Order No.: M0761000

SPECIFICATIONS

Max. sample support surface	200 x 260 mm	Polymerization temperature (depending on application)	70 - 90 °C
Max. sample height	40 mm	Connection voltage	100 - 240 V 50/60 Hz (1Ph/N/PE)
Wavelength	365 nm	Dimensions (W x H x D)	377 x 172 x 436 mm
Einstellbare Aushärtezeit	0 - 100 min	Weight (depending on equipment)	14.5 kg



ACCESSORIES

Qmount suction unit

- | External suction to filter the vapors and odors to increase work safety
- | Variable adjustable suction power
- | Incl. 1.5 m vakuüm tube for connection with Qmount
- | Incl. Qmount Activated carbon filter

Order No.: Z0761000

SPECIFICATIONS

Connection voltage	100 - 240V 50/60Hz
Effective air volume flow	20 - 100 m ³ /h

