

Otoflash G171

Flash-curing device for photopolymerisation

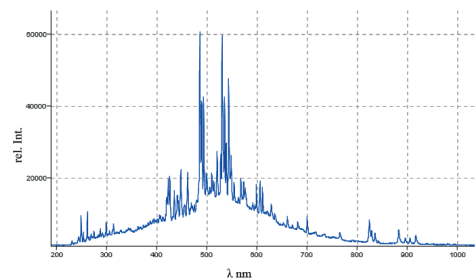


Flash-curing device for rapid and reliable curing of light-curable resins

The Otoflash G171 can be used for the photopolymerisation of all light-curable materials where the curing takes place at a wavelength of 280-580 nm and, thus, enables the production and processing of lightcurable materials of different consistencies and pigmentation as well as repairs with corresponding materials and lacquering.

Also work-pieces and build-platforms produced by means of 3-D-rapid prototyping-techniques can be postcured by the Otoflash G171.

Due to its technical configuration, the Otoflash G171 enables particularly short curing times: In the operating mode, 2 flash-bulbs fitted at the bottom of the curing chamber produce 10 very intensive light-flashes per second between 280-580 nm. This leads compared to other methods to a substantially better curing quality, resulting in very good physical characteristics and reduced residual monomer content.



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The G171 Otoflash is also deliverable with a protective gas appliance (N₂, Ar or CO₂). This prevents any oxygen inhibition on the surfaces so that they're cured completely non-stick without any need to remove or wipe away the inhibition layer.



Technical data

Dimensions of polymerisation chamber	approx. 120 x 120 x 50 mm
Number of light sources	2 flashbulbs à 100 W
Rated voltage	100, 117, 230 volt AC, adjustable by switch
Rated frequency	50 / 60 Hz
Power input	250 W
Spectral distribution	280-700 nm, maximum between 400 and 500 nm
Average flash power	200 W
Flash frequency	10 flashes per second
Digital timer	adjustable from 1 to 9.999 flashes
Dimensions	310 x 310 x 140 mm
Weight	approx. 7 kg