



175 SOL ACM

Uniform curing without spinning

The patented 175 SOL UV curing system provides high intensity and uniform curing of inks, coatings and adhesives in the DVD, DVDR, CD and CDR manufacturing process without spinning.

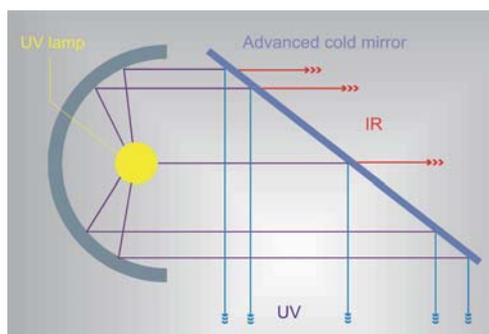
This curing technique is achieved through a special reflector design. The central reflector cone of the 175 SOL is integrated within a cylindrical reflector that precisely distributes a uniform dose of UV to the area being cured. This provides an optimum rim curing especially for DVDs.

Effective heat reduction

The also patent pending Advanced Cold Mirror (ACM) is a UV curing system designed for **printing and manufacturing processes that use thermo-sensitive substrates**. The unique cold mirror

reflector is designed to effectively reduce IR energy (heat) to the substrate. Compared with direct UV curing

systems, ACM technology **reduces substrate temperature rise by up to 65 %** depending on the absorption characteristics of the substrate. The redirection of the UV irradiation has nearly no influence on their intensity.



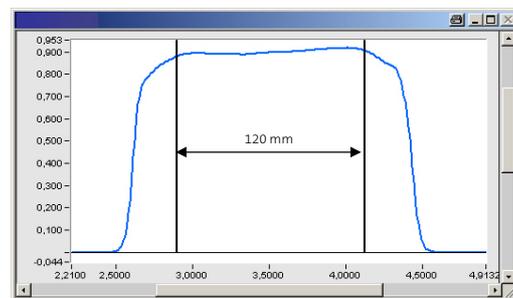
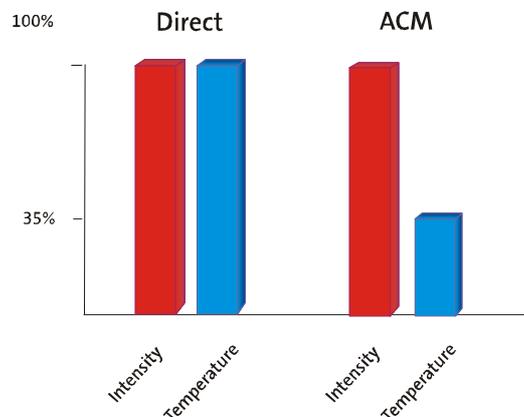
Highlights

- air cooled
- uniform intensity distribution
- high intensive and -effective
- no need to rotate the DVD
- 80% IR-reduction
- very good cost/ performance ratio
- reduction of the production cost

UVAPRINT 175 SOL - the facts at a glance

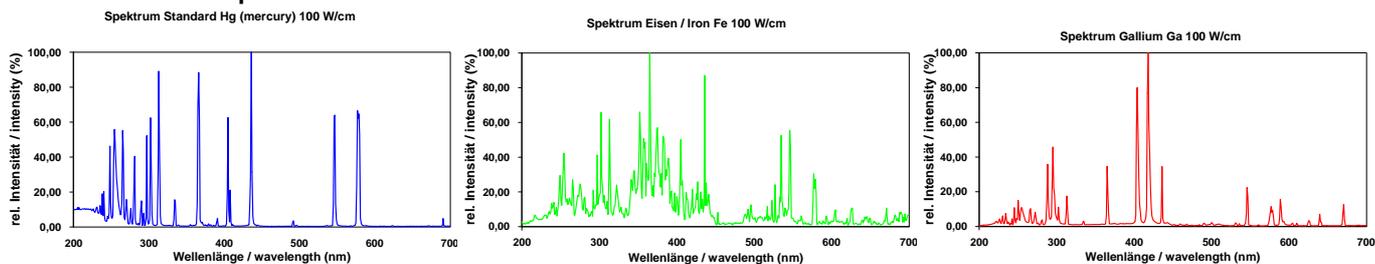
- Curing all CD and DVD types without spinning
- New geometry and coating of the Cold Mirror turns 80% of the IR irradiation away from the substrate
- Substrate temperature is decreased up to 65%
- Curing time approx. 0.5 - 1.0 seconds
- Lamp power: max. 5 kW
- Mains supply: 400 to 480 V, 50 or 60 Hz
- Stepless power control between 20% and 100%
- Available standard spectra: see below
- Special spectra are available depending on the curing requirements

Direct UV irradiation and ACM in comparison



Homogeneous distribution of UV intensity on the disc allows curing without spinning

Standard spectra



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Operating parameters depend on production characteristics and may differ from the foregoing information. We reserve the right to modify technical data.



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