

# ICAD® Technology



## Inline Continuous Automated Dynamic UV Monitoring

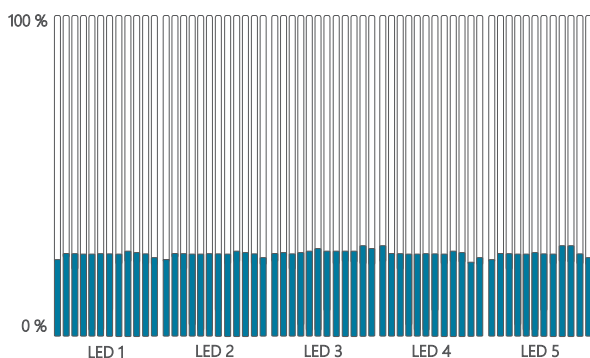
Our ICAD® technology improves the UV curing process. ICAD® is unique. It enables measuring and control of the actual UV output that reaches the product - ICAD® even does this during production. ICAD® technology gives a higher level of process security than the general UV market.



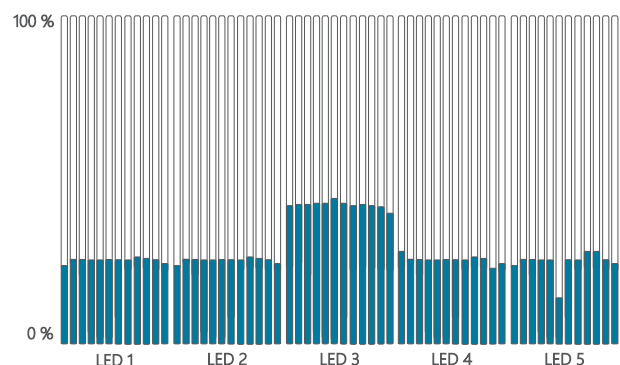
Our proprietary ICAD® stands for  
**I**nline  
**C**ontinuous  
**A**utomated  
**D**ynamic

### Uniform UV output – always

ICAD® enables inline and automated power level adjustment for a uniform and specific power distribution over the full UV LED array. It offers the benefit of continuous monitoring during production which increases quality, uptime and reduces the risk of producing waste.



ICAD®  
Measurement after power  
level adjustment

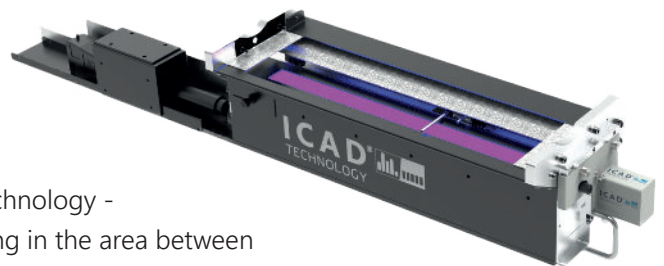
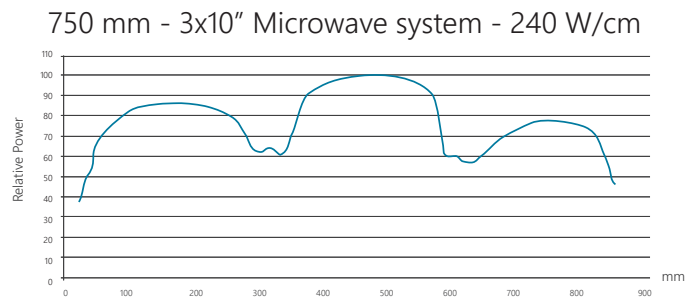
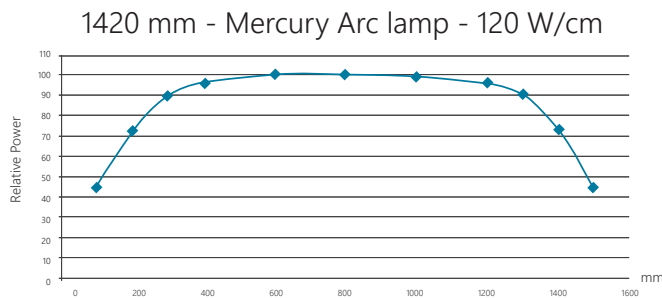


ICAD®  
Measurement before power  
level adjustment

## ICAD® Technology advantages

- With ICAD® you can be assured that your **UV is performing to your set specifications** - any time and it is documented.
- ICAD® enables **constant surveillance** of the full width of your UV or UV-LED system inline and during production.
- When coupled with a UV LED system like P-LED or W-LED, ICAD® enables manufacturers to always have a **uniform UV output**.
- Using ICAD® on conventional UV-systems enables manufacturers to **guarantee a certain minimum UV dose** at any point of the production width.
- ICAD® enables **correct and planned maintenance** of UV and utilizes UV-bulbs and UV-LEDs to their full potential.
- ICAD® **improves your process control**. You always know that your UV LED system is performing according to a set value and tells you what you didn't know about your UV status in production.

## ICAD® on Arc & MicroWave UV systems



ICAD® Technology -  
a sampling rod travelling in the area between  
the lamp/LED and the substrate to be  
irradiated.

ICAD® TECHNOLOGY A/S has a vision of delivering safer and higher quality end-user products, by helping to set the agenda for future technology standard within the radiation technology UV. Our unique ICAD® technology allows for continuous monitoring of UV output during production.

ICAD® Technology is patent technology by ICAD TECHNOLOGY A/S  
US patent no. 11,097,309 - Korean patent application no. 10-2019-7035307 ("Patent pending")  
European patent no. EP 3615141

## Get in touch

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