

# ICAD<sup>®</sup> Technology

## Inline Continuous Automated Dynamic UV Monitoring

Our ICAD<sup>®</sup> technology is one of the most important developments for the UV industry. ICAD<sup>®</sup> is unique. It enables measuring and control of the actual UV output that reaches the product - ICAD<sup>®</sup> even does this during production.

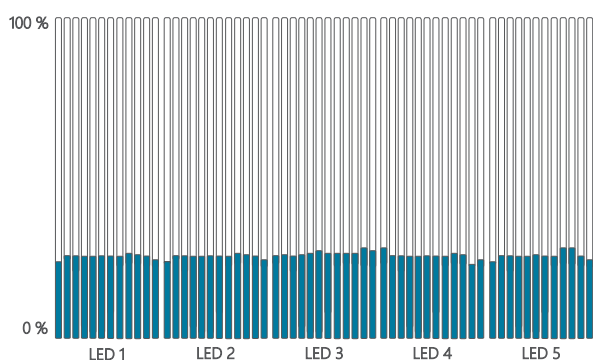
We are proud that the ICAD<sup>®</sup> technology gives a higher level of process security than the general UV market.



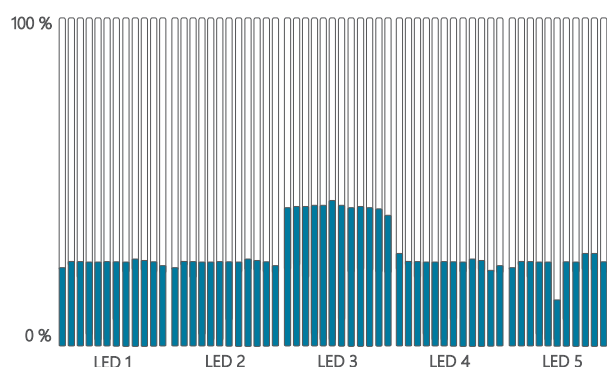
Our proprietary ICAD<sup>®</sup> stands for  
**I**nline  
**C**ontinuous  
**A**utomatic  
**D**ynamic

### Uniform UV output – always

ICAD<sup>®</sup> 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<sup>®</sup>  
Measurement after power  
level adjustment

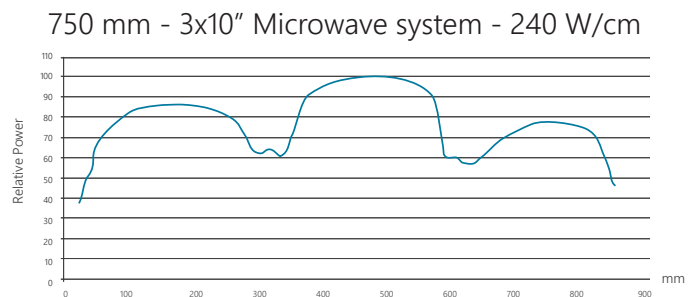
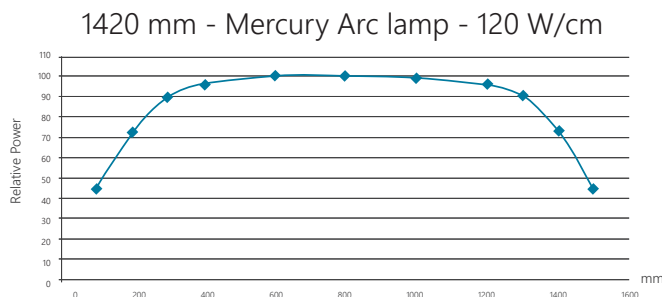


ICAD<sup>®</sup>  
Measurement before power  
level adjustment

## 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.

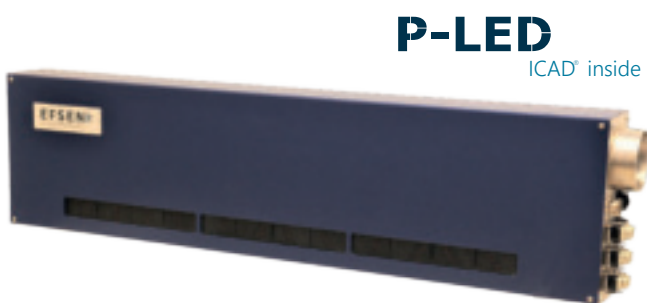
## ICAD® on Arc & MicroWave UV systems



## Integrated in EFSEN UV LED systems

The ICAD® solution is included in EFSENs integrated UV LED systems, P-LED designed for the printing and converting industry and W-LED for the wood industry.

The combination of ICAD® technology and P-LED or W-LED saves energy and eliminate ozone and mercury and increases all aspects of your UV process.



**EFSEN UV & EB TECHNOLOGY** has been designing high-end UV curing system for a wide range of industries with the user in focus since 1986. With a vision of delivering safer and higher quality end-user products, we help to set the agenda for future technology standard within the radiation technology UV. Our ICAD® technology is one of the most important developments for the UV industry, which for the first time allows for continuous monitoring of UV output during production. ICAD® is an integrated part of our W-LED for the wood industry and P-LED for the printing and converting industry.

### Get in touch

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