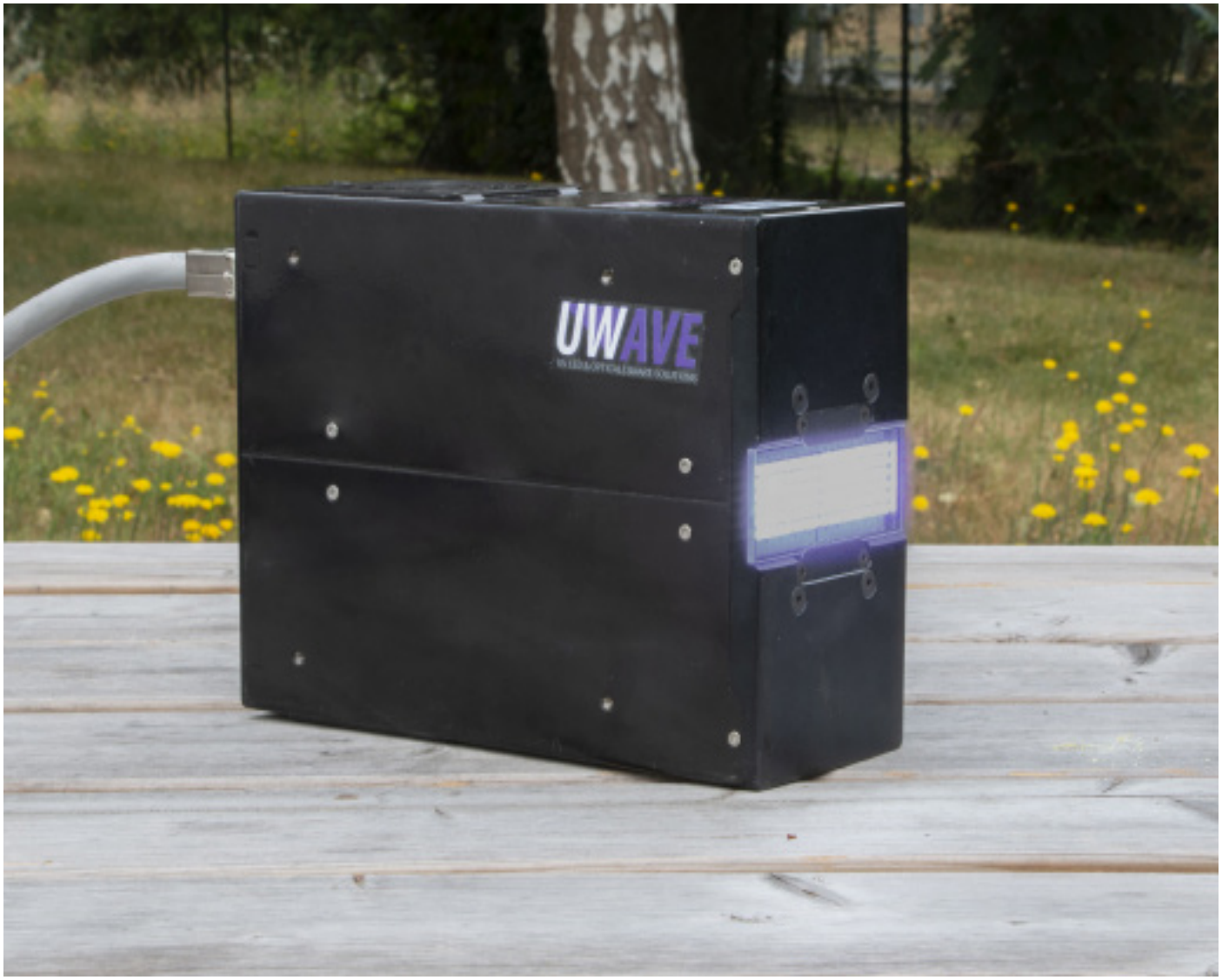
UWAVE
UV LED & OPTICAL | SMART SOLUTIONS

USTRAIGHT ™



Air cooled UV LED system reaching **12 W/cm²**

Power
Up to 12 W/cm²

Latest UV LED generation

Technologies
UWAVE Know-how

- FUSION DRIVE™
- SMART BLADE™
- SWITCHBOOST™

Wavelength
365, 385, 395 or 405 nm

Wide range of UV curing applications supported

Great power to enhance your production time

Thanks to these technologies, the high power of the **USTRAIGHT™** will be easy to control and to replace.

FUSION DRIVE™

UWAVE has designed its products in order to fit OEM and SI requirements.

Thanks to this technology, it is possible to control the **USTRAIGHT™** directly from the PLC (Programme Logic Controller). Many options are available such as the temperature monitoring, the control of the UV irradiance and the time of insolation.

SWITCH BOOST™

This technology allows manufacturers of machines to change only the core of the product: LEDs. From now on it will be possible to realize an UV LED source maintenance quickly, simply and at low cost.

Recent technological developments allow the LED to double their performance every two years. So, by changing the LED of the **USTRAIGHT™**, which is equipped with **SWITCH BOOST™** technology, your product will remain at the forefront of technology.

Examples of applications

UV curing of inks, varnishes and glues in the cosmetic industry.

UV curing of inks on plastic, paper, glass and cardboard in printing industry.

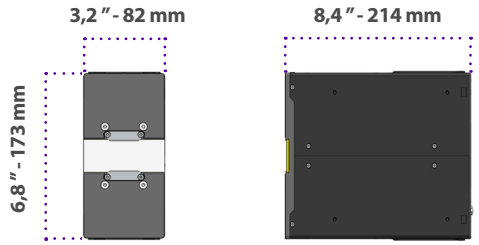
UV curing of varnishes or coatings in the wood industry.

SMART BLADE™

The **USTRAIGHT™** is one of the most powerful UV LED product air cooled in the market.

The **SMART BLADE™** technology analyzes the data provided by the UV LED source, to control the fans in real time and thus minimize the noise. By optimizing its own temperature control, our sources are guaranteed both stable and durable.

Dimensions*



**Dimensions are given for a USTRAIGHT™ of 75mm. Contact us for other avalailable lengths.*

Advantages of UV LED Technology

The **USTRAIGHT™** can be switched ON and OFF as often as necessary and has much higher output power stability than other technologies.

UV LEDs do not emit infrared radiation, thus heat sensitive materials can be processed. UV LEDs are eco-friendly as they do not create ozone, do not contain mercury and only need a few watts to operate.

Technical Information

Wavelength	365 nm	385 nm	395 nm	405 nm
Max Irradiance	10 W/cm²	12 W/cm²		
Length	75, 150, 225, 300 mm or more			
Cooling System	Air			
Electrical Power Input	~600W for USTRAIGHT-XXX-YY-0075			
Main Supply	48V DC			
Part Number	USTRAIGHT-XXX-YY-ZZZZ			

XXX = Wavelength in nm
YYY= Max Irradiance in W/cm²
ZZZ = Optical length in mm

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To learn more about our UV curing solutions please visit www.uwave-uv.com