

NS Nanotech Shows Far-UVC Technology at CES



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At the virtual CES consumer electronics exhibition next week (11th to 14th January 2020), NS Nanotech will highlight its ShortWaveLight Purifier (pictured above) along with products and services being developed by early-adopter customers.

[NS Nanotech](#)'s patented technologies, drawing on a decade of work on nitride semiconductors by researchers at [McGill University](#) and the [University of Michigan](#), are said to dramatically improve the fabrication process and resulting efficiency of nano-scale light-emitting materials.

The portable ShortWaveLight Purifier, which inactivates viruses, microbes, and other pathogens in the user's personal workspace and airspace, will be available in 2021. It is powered by NS Nanotech's solid-state ShortWaveLight Emitter, a component that emits far-UVC germicidal light to neutralise coronavirus and other pathogens on surfaces and in the air.



Portable ShortWaveLight Purifier and other products are powered by NS Nanotech's solid-state ShortWaveLight Emitter.

An initial NS Nanotech customer, Kryptolights, is utilising ShortWaveLight Emitters in a new suite of commercial and residential products. "This essential technology is vital to curbing the current pandemic and in preventing one in the future," says Kryptolights co-founder Shey Godoy. "Many industries could utilise our products to regain people's trust by offering customers a clean environment to conduct business. This spectrum of light offers normalcy, as it can seamlessly integrate into people's businesses and lives."

Another new customer, UV Ray Lights, will rent out tabletop UltraClean sterilisers equipped with NS Nanotech's ShortWaveLight Emitters to meeting and event organisers. According to UV Ray Lights Co-Founder Ray Stewart, each device assigned to an attendee at an event will sterilise surfaces and air in front of it, reducing the viral load in the room.

“Now we are ready to deploy a real tool to help curb the rising infection rates not only of the current pandemic, but from other viruses and germs people share when they gather for conferences or conventions. Scientific studies are coming out consistently now showing that the real potential of this technology is just emerging,” says Stewart. “We are excited to be on the forefront of bringing it to the marketplace through our unique rental service. It will now be possible for businesses and industry to gather together for networking, education, and other important in-person events.”

“We are delighted to announce our partnerships with both UV Ray Lights and Kryptolights on the eve of CES, where we can showcase the revolutionary properties and potential of far-UVC disinfecting light,” says NS Nanotech CEO and co-founder Seth Coe-Sullivan. “We designed our new solid-state far-UVC ShortWaveLight Emitters to be useful for thousands of applications that will protect consumers and businesses from coronavirus and future pathogens. Kryptolights and UV Ray Lights are early adopters developing innovative far-UVC disinfection solutions that we expect will have a big impact in the near future and in coming years.”

Read the [original article](#) on Compound Semiconductor.