
Nanotech Startup's Disinfection Chamber Kills Coronavirus Using UV-C Radiation

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Log 9 Materials Pvt. Ltd., a nanotechnology start-up, has developed CoronaOven, a lightweight, portable disinfection chamber specifically designed to kill various types of bacteria and viruses, including Novel Coronavirus by using ultraviolet light.

Bengaluru headquartered nanotechnology startup [Log 9 Materials](#) has developed CoronaOven, a disinfection chamber that kills bacteria and viruses on objects using ultraviolet light.

The portable device, with a 20-liter volume, works on the principle of UV germicidal irradiation and is specifically designed to kill COVID-19 or novel coronavirus, the company said in a statement. It claims to use UV with a wavelength of 235.7 nm to kill viruses from all types of surfaces.

Ultraviolet germicidal irradiation is the process of killing microorganisms using UV light and is used in laboratories and industrial settings to sterilize equipment. Log 9 Material is yet to receive a patent for its device.

"Not only does the CoronaOven provide accurate and necessary energy via multifocal UVC radiation on each point on the surface of an object to be disinfected, but it also guarantees 100% destruction of the coronavirus and other harmful microorganisms. It is a scalable and cost-effective solution built with easily available materials, and is as simple to use as a normal microwave," Akshay Singhal founder and CEO of Log 9 Materials said.

CoronaOven is listed by Log 9 Materials on the government's e-marketplace portal and is expected to soon be commercialized on a large scale, the company said.

Several startups in [India](#) are trying to find quick solutions to fight the pandemic. The Action COVID-19 Team (ACT), set up by the Indian startup community has so far funded seven such startups.

Marico Innovation Foundation, the corporate social responsibility (CSR) unit of fast-moving consumer goods (FMCG) major Marico, has also offered a grant of Rs 2.5 crore to startups that can develop cost-effective equipment for the detection and treatment of COVID-19.

This is not the first time Log 9 has started a social impact initiative. In June last year, the company floated a subsidiary called Log 9 Spill Containment focused on clean-tech products for managing and cleaning spillage of chemicals and hydrocarbon-based liquids in water bodies.

In October 2019, the company had raised about \$3.5 million in a Series A funding round from Sequoia Capital [India](#)'s accelerator program Surge and Exfinity Venture Partners.

Read the [original article](#) on TechCircle.