

Braving the Epidemic

敢創抗疫



Robots in disguise leading the charge in battle against coronavirus

While the coronavirus has caused mass disruption to millions of people's daily lives, Mr Yeung's cleaning company experienced astonishing business growth in the first half of the year. At its peak, the small company offered its professional cleaning service to three different offices on a single day.

"Boss, I've got a sore throat. I think I may have caught 'it'..." One day, one of Mr Yeung's frontline staff suspected he was infected with COVID-19. Mr Yeung was at a loss, not knowing how he could provide better protection to his staff.

Through a fellow colleague, Mr Yeung found out about a brand-new robot on the market specially equipped with an ultraviolet-C (UVC) disinfection light system. The cleaning robot can be deployed at the front-line before any of his staff when working any indoor spaces, lowering any chances of being exposed to any pathogens carrying the virus for cleaning service personnel. This gave Mr Yeung the assurance he needed, so even though his staff turned out to be virus-free, the caring boss still decided to "hire" the "robot-in-disguise".

The anti-epidemic robot developed by Bull.b Tech, a Cyberport Community Member, features remote-control capabilities, conducting safe and routine disinfection procedures using UVC light spectrum. This technique works to destroy viruses and other pathogenic agents that can be found on a range of public surface areas for a prolonged period of time.



Featuring 4G and 5G connectivity, the robot is equipped with a light-emitting system capable of producing a sterilising application with a wave length of 270 nanometres, more commonly known as UVC light spectrum; it also features a swivelling mechanism and a camera system. Thanks to these features, the robot's remote controller can deploy the robot to high-risk areas to carry out disinfection routines while keeping a safe distance. The handler can also have a good grasp of area through real-time video imaging and decide if more attention is required in any hidden corners. The extendable UVC light system, meanwhile, works to ensure that larger areas get the needed disinfection treatment.

Built to accommodate flexible specifications, the prototype robot developed by the company measures 2.1 metres in height, and has proved its adaptability in a wide range of indoor spaces. Stark, founder of Bull.b



Tech takes special pride in the invention, saying, "The disinfection robot ensures a much improved level of safety not only for the general users of indoor spaces, but also for frontline workers who constantly face much higher risks themselves."

Quick facts



- The Bull.b Tech-developed robot can be easily adjusted for height, reaching a maximum of 2.13 metres (7 feet).
- Bull.b Tech works with a local cleaning company, reinforcing the latter's cleaning and sterilisation capability.

Company Profile

Established in 2011, and an early adopter and promoter of digital marketing, Bull.b Tech is keen to infuse various degrees of creativity into marketing solutions. Supporting two of the most common mobile operating systems, iOS and Android, the company's various applications have a track record of assisting clients to engage their customers via mobile apps. The company believes mobile technology is currently the best possible way for people to lead a personalised lifestyle, while comfortably engaging with each other.



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Learn more about
Bull.b Tech (UVC Anti-epidemic Robot)

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醫療及保健
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「變形金剛」抗疫殺菌？

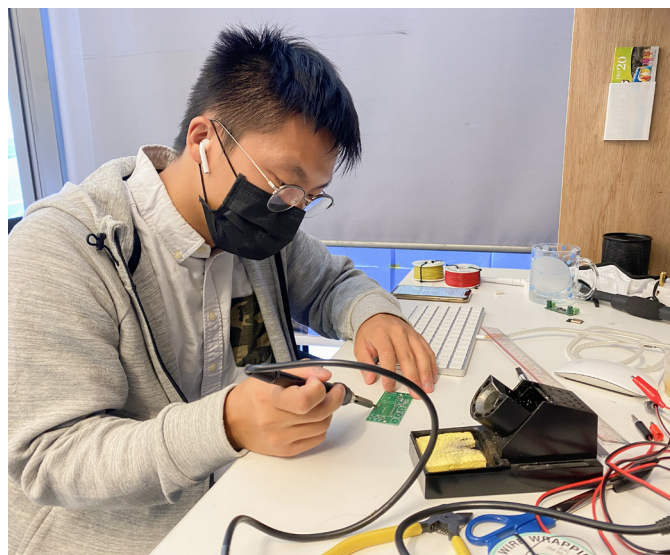
受 新冠病毒疫情帶動，楊先生經營的專業清潔公司上半年生意額飆升，高峰期同事們需要一天清洗3間辦公室。「老闆，我喉嚨有點痛，懷疑自己中招了……」某天其中一名前線員工懷疑自己染病，楊先生頓時不知所措，苦惱如何為員工提供更佳保護。經行家介紹下，得知有 UVC紫外線殺菌抗疫機械人，可擔當清潔室內場所的先頭部隊，減少前線員工在進行人手清潔時接觸到病毒的機會，因此雖然後來發現中招事件屬虛驚一場，楊先生仍毫不猶豫「聘請」了這個抗疫小先鋒。

數碼港社群成員寶貝科技研發的抗疫機械人，支援遙距控制，能夠為高風險場所定期進行無人化紫外線消毒程序，以殺滅黏附在牆壁、設施及物件表面的病毒，減少清潔人員直接接觸物體或進入高風險場所時感染病毒的風險。

機械人配備產生270納米光譜波長的UVC紫外線光管以及360度傳動裝置，設有攝影鏡頭並接駁4G/5G移動網絡。操作員毋需進入高風險場所都可遙控指示機械人，設定路線前往一個空間內的不同角落，並透過4G/5G回傳的實時畫面給予機械人更多指令，UVC光管更可按需要延伸，確保全方位殺菌。



機械人的原始版本高2.1米，適合於大部分室內空間使用，規格更可靈活改動以適合不同場所需要。寶貝科技創辦人之一陳易希Stark表示：「有了殺菌抗疫機械人，不單讓進入場所的人可確保安全，就連前線清潔人員也可以毫無顧慮進行清潔工作。」



速覽



- 機械人可按家需要自由調節高度，最高可延至7呎高。
- 寶貝科技現時與一間本地清潔公司合作，以機械人增強消毒清潔服務。

公司簡介

寶貝科技成立於2011年，熱衷將創意引入數碼營銷方案，協助客戶將創意想法以互動手機程式與顧客互動，並將最新的移動技術引入iOS和Android應用程式。寶貝科技相信移動技術是建立個性化生活和促進人類交流的最佳方法。



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