

# TECHNICON TAKES PART IN THE DEVELOPMENT OF AN EFFICIENT DISINFECTION ROBOT FOR THE WORLD MARKET



Technicon A/S has taken part in the creation of a robot solution which has been developed to assist with disinfection in the global fight against viruses and bacteria.

Targeted lights, innovation, and robot technology are part of the mobile robot solution which helps neutralizing virus transmission globally.

## Disinfection Robot

# Fights bacteria

That COVID-19 has had enormous human and economic consequences is apparent.

To provide an advanced technological answer to these challenges, Technicon has helped develop the Disinfection Robot: a flexible, user-friendly and mobile robot solution that can neutralize viruses and bacteria.

Blodprøvetagning og EKG



## THE SOLUTION

Desinfection Robot consists of a flexible robot arm from Universal Robot. The arm is mounted on top of a mobile robot from Mobile Industrial Robots. At the end of the arm is a light fixture from the Danish company EFSEN UV. The targeted UV-C light can be used on all horizontal, vertical or angled surfaces.

The various software and hardware parts are integrated in a combined solution made by Enabled Robotics who collaborates with Technicon.

High security and fast payback time

One of the key elements of the Desinfection Robot is high security. It stops immediately if it encounters resistance.

## HIGH SECURITY, FLEXIBILITY AND QUALITY

The Desinfection Robot is excellent everywhere many people gather and where there is risk of COVID-19 infection: in hotels and hospitals, in airports and supermarkets, in care homes, in kindergartens, in schools, etc



## ADVANTAGES

The built-in software makes the desinfection Robot easy to operate and it can be started with a few clicks from a smartphone or tablet. Furthermore, it can be set up to run at certain times, and by doing so it allows a frequent and effective disinfection.

The integration of the robot arm and the mobile robot also allows the robot to perform other tasks if there is no need for disinfection. This could, for example, be internal transport tasks.

The ability to solve several different tasks means that the robot can be used for many hours a day and can thus quickly be paid off.

## FACTS

- Transport capacity: up to 190 kg
- Range: 850 mm - 1,300 mm
- Carrying capacity: up to 16 kg
- Battery life: 8 hours
- UV-C lights: 8,000 hours
- Operation time per day: 20 hours