

VIRUS DISINFECTANT ROBOT

ABSTRACT

The Ultra Violet (UV) Disinfection Robot - also called UV-DR - is an autonomous disinfection robot for hospitals, production lines and pharmaceutical companies. The robot is designed as a supplement to the existing cleaning cycle with the aim of reducing the spread of Hospital Acquired Infections (HAIs), infectious diseases, viruses, bacteria, and other types or harmful organic microorganisms. The robot can drive autonomously and manually to infectious patient rooms and other hospital environments, thus disinfecting and killing bacteria and virus on all exposed surfaces using an infrared tube. If it is in manual mode we can control it by mobile. If it is in automatic mode, the device will avoid the obstacle and disinfect the room.

BLOCK DIAGRAM

