



CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue, Durgapur – 713209



360° Car Flusher

A Vehicle Sanitizing Unit known as 360° Car Flusher has been developed by CSIR CMERI principally for sanitization of cars, trucks, buses etc. The sanitizing system can be used in long stretches of highways, vicinity of market, shopping mall, office campus as well as residential complexes. The active sensor based automatic power supply to pump is used in this technology. The automated Vehicle Sanitizing Unit needs mainly a normal water tank and a high-pressure pump to spray disinfectant. The automatic spraying on the vehicle is done by the use of a through beam sensor unit. Hence there is no manual intervention required to operate the pump. The System ensures that the vehicles are washed in all four sides, hence the name 360° car washer. There are total numbers of 22 nozzles attached in the pipe network to spray properly all around the vehicle. These nozzles with pipe placed in such a way that there is no scope of breaking either nozzle or pipe due to vehicle load.



Novelty of the System:

- Complete 360° washing – all four sides of vehicle
- IR Transmitter and IR Receiver Module
- Powered by Electricity/Solar

Technology Transfer Fee: Rs.1.5 lakh (incl. GST) for Micro & Small Enterprises

For business queries please contact

Dr. Anjali Chatterjee, Head,
Business Development Group
Phone : 9434720494; E-mail : bdg@cmeri.res.in

For technical queries please contact

Dr Bittagopal Mondal
Advanced Design & Analysis Group
Phone : 9476497011; E-mail : b_mondal@cmeri.res.in



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