



Cart Disinfectant for proper hygiene



Secret Grand Mere Co. Ltd

The aim of this project is to design & manufacture a decontamination chamber for shopping carts. The innovative aspect of the project is that it will provide an automated solution for disinfecting shopping carts, which are inherently germ magnets. The cart will be moved by a conveyor unit, through a diffusing unit which will spray concentrated sanitization liquid for maximum coverage. Afterwards the cart will be moved through a fan array which will speed up evaporation of the chemical on the surface. The design will be modular and will consist of the sanitization tunnel and a storage unit. The latter will make use of UV lights to keep the carts germ free until removed for use.

Project Value (Rs): 688 010
Duration: 3 Months

Amount funded by MRIC (Rs:) 643 010