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Electrotherm Solar manufactures new-age emergency ventilators

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Ahmedabad-based Electrotherm Solar has manufactured new-age emergency ventilators. The Electra Ventilator's unique design can cater to aggressive ventilatory support in clinical situations for intensely ill patients. It includes extensive ventilator modes like VC-ACMV (Volume Control-Assist control Mandatory Ventilation), BiPAP and High flow oxygen therapy.

The ventilator bears unique features like real-time tablet-based data log, tablet-based trending data storage along with a customised healthcare application. The ventilator can serve the targeted subset of patients suffering from Acute Respiratory Distress Syndrome (ARDS) due to COVID-19; Only 10-15per cent of the patients suffering from ARDS require ICU Ventilator.

The pandemic situation inspired Kapil Shah, Director - Electra Ventilators, to engineer remote access and data portability. So that the patient report can be accessed anywhere, anytime, as every minute counts under observation. This app feeds in all the ventilator parameters directly into the live server to monitor anywhere across the world.

The enhanced ventilator system has multiple benefits due to its ergonomic design. It is highly coherent in operation and is multifunctional. The lightweight model makes it very portable for emergency use by simply plug-n-play.