



**TITLE:** Analysis and development of novel mechanical ventilators designed for mass production

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**UNIVPM Research Group:** Research Group: Mechanical Measurement and Biomedical Instrumentation

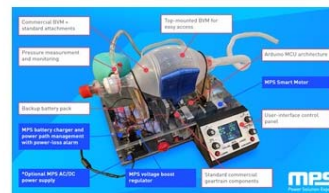
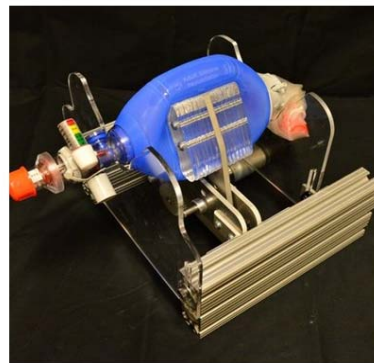
**Research activity description:** The research activity is aiming to identify the best design for a novel mechanical ventilator ready for immediate mass production.

The design should aim to reduce the production costs and be characterized by wide availability of its components, including the

components in contact with the patient (i.e. mask, valves, etc.).

The research activity is also aiming to realize a testing mock-up for any type of mechanical ventilator.

**Collaborators:** University of Perugia



Open source mechanical ventilator

Design and measurement methods