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**We specialize in
human-centered
and sustainable
product design.**



**GYRODRIVE
MACHINERIES**

INNOVATIVE PRODUCT DESIGN

GET IN TOUCH

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ABOUT US

Gyrodrive Machineries was founded in 2018 by alumni of IISc Bangalore with an aim to develop engineering solutions for real world problems. Leveraging the skills of product design, robotics, electronics and cutting edge technologies such as machine learning, Gyrodrive Machineries has developed products for multiple sectors like defence, medical devices, industrial automation, and energy storage. With exceptional product development and technical capabilities, Gyrodrive Machineries has launched the best in class products in last 2 years.



We are a team of passionate designers and product engineers.



Products

- Medical sector: RC Device (Respiratory Control Device)
- Automation Industry: Linear Actuator

Patents

- Artificial Manual Breathing Unit Bag Operating Device
- Efficient Flywheel Energy Storage System.
- Tool Condition Monitoring Unit For Hard Turning OF AISI 52100 Steel.

Pipeline

Medical Healthcare device:

- AI Based PFT Device
- Cuff Pessure Monitoring System
- Advanncce Low Cost Ventilator
- NDIR Based Portable CO2 Capinometer.

RC DEVICE

Controlled
Resuscitation, Lung
Mechanics Display,
Ventilation

RC Device provides a low-cost solution for reliable and effective ventilatory support to patients suffering from respiratory insufficiency. A user-friendly interface allows for easy setting of parameters like respiration rate and tidal volume while the inbuilt lung parameter monitoring system ensures the patient safety.

DEVICE FEATURE

- Adjustable Respiration Rate [10– 30 BPM]
- Adjustable Tidal Volume [50 – 700 mL]
- Disconnection AlarmLung Parameter Display
- PEEP [5 – 20 cm H₂O]
- Pressure Relief [40 – 60 cm H₂O]
- Battery Backup [4 hours].

