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## **Press Release, March 2020: Ventilator Capacity Solution for COVID-19 Patients**

Recent estimates project a need for 960,000 mechanical ventilators, while the US currently has capacity for about 170,000 patients. This large deficit cannot be met by the current ventilator production rate. Thus, physicians are forced to decide who receives treatment for COVID-19 with mechanical ventilation.

To address the shortage of ventilators, Accudyne Systems proposes to increase ventilator capacity (to uniquely control aspiration and inspiration for each patient, accounting for lung size & compliance). This will enable:

- concurrent use of a single ventilator for multiple patients
- individually controlled circuits, so unique controls can be set for each patient
  - ventilation mode (volume, pressure or dual),
  - modality (controlled, assisted, support ventilation),
  - and respiratory parameters.

### **About Us**

We are a trusted advisor for innovative solutions to new challenges in various industries. We've been building custom equipment for commercial production and industrial processing since 1996. Our capabilities include:

- 3D printing and prototyping
- design, fabrication, assembly and testing
- full scale machine shop in-house and via local network
- engineering solutions by mechanical, electrical, controls and software experts

Visit [accudyne.com](http://accudyne.com) for additional information.

### **Status**

As an essential manufacturing business, we will remain open during the Covid-19 shutdown. Our business is a critical part of the economy in Delaware as a manufacturer and seller of industrial equipment serving multiple industries across the world. This is a responsibility we take very seriously along with the health and wellbeing of our workforce and their families.

We also take our responsibility to our local communities very seriously. Accudyne has been in contact with the Delaware State Government and local healthcare provider organizations to offer our support in the form of engineering, design, 3D printing, repair and other services.

Contact Guillermo Borges to discuss your needs or questions at [gborges@accudyne.com](mailto:gborges@accudyne.com) or 302-650-4831.

We sincerely hope that you, your colleagues, and families remain safe and healthy through this pandemic.