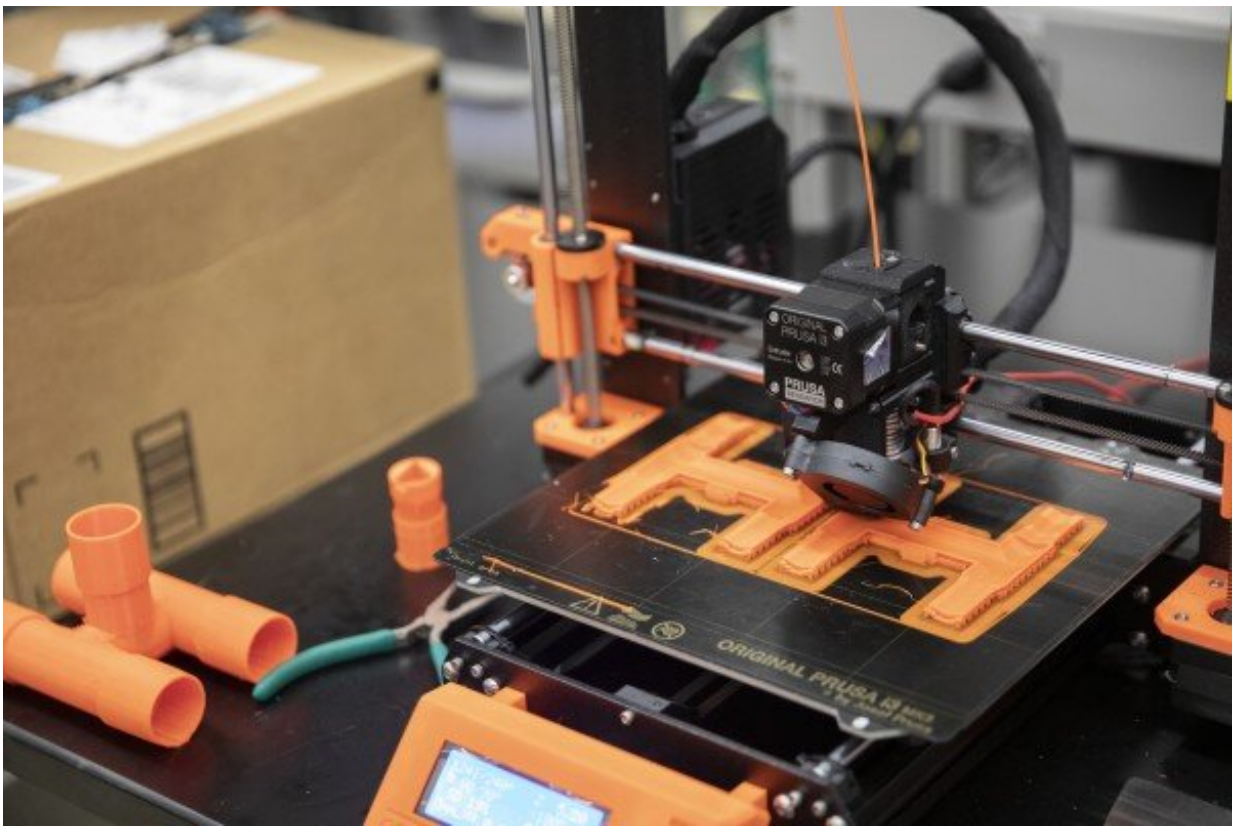
Engineers share 3-D-printed ventilator adapter design to help during COVID-19 pandemic

April 23 2020



Engineers used 3D printers to create ventilator adapters to help during the coronavirus pandemic. Credit: Binghamton University, State University of New York

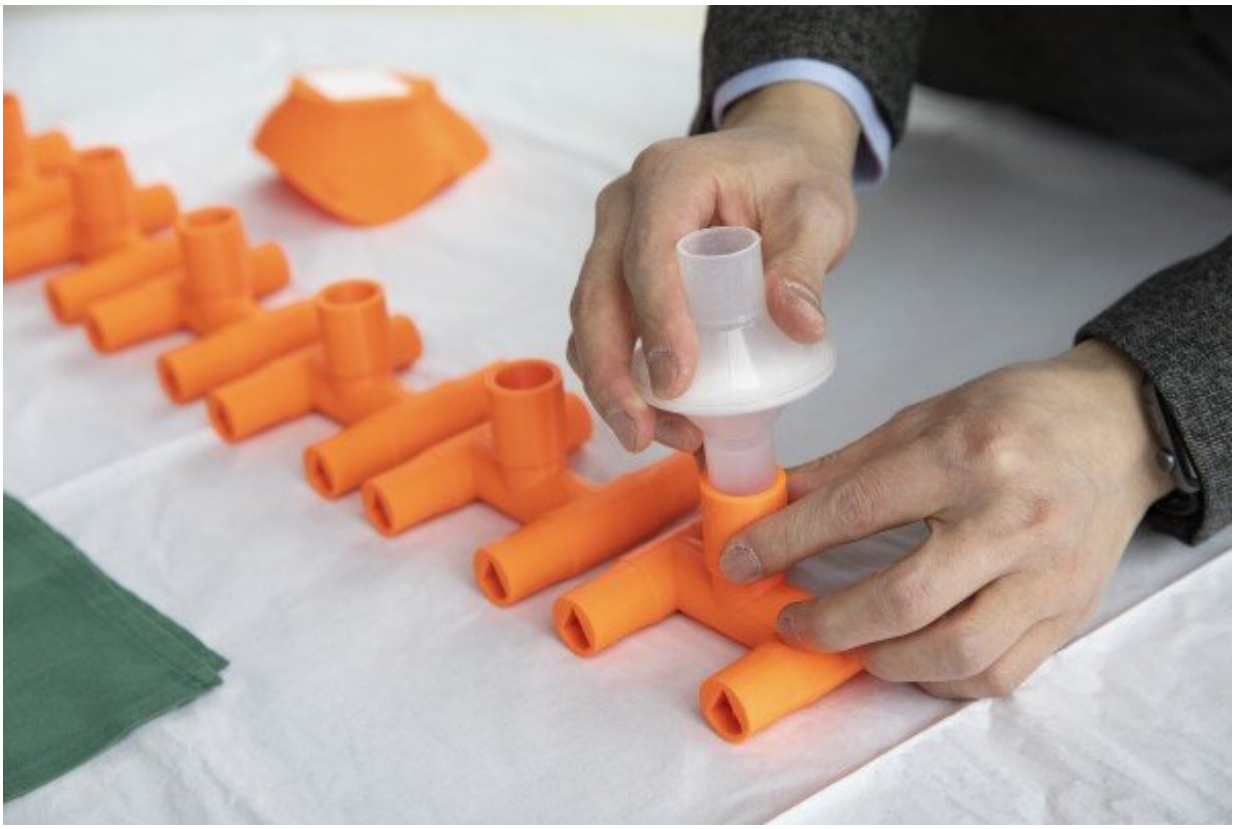
Engineers at Binghamton University, State University of New York have made their designs for 3-D printed ventilator adapters available to the public to help during the coronavirus pandemic.

This project was initiated because of the possible shortage of medical ventilators during the COVID-19 pandemic. Several studies have shown that a single ventilator could be used for multiple patients simultaneously to meet disaster surge. Engineers at Binghamton University designed three ventilator adapters and used 3-D printing to create them.

The adapters are made from PETG, a glycol-modified version of polyethylene terephthalate known for its chemical resistance, durability and formability.

Interested parties can download the designs for 3-D-printed ventilator adapters designs free of charge. Those with 3-D printers can sign up to make adapters, and healthcare providers can say if they need adapters.

To learn more, visit https://www.binghamton.edu/watson/covid-19-response/index.html.



Engineers used 3D printers to create ventilator adapters to help during the coronavirus pandemic. Credit: Binghamton University, State University of New York

Provided by Binghamton University

provided for information purposes only.