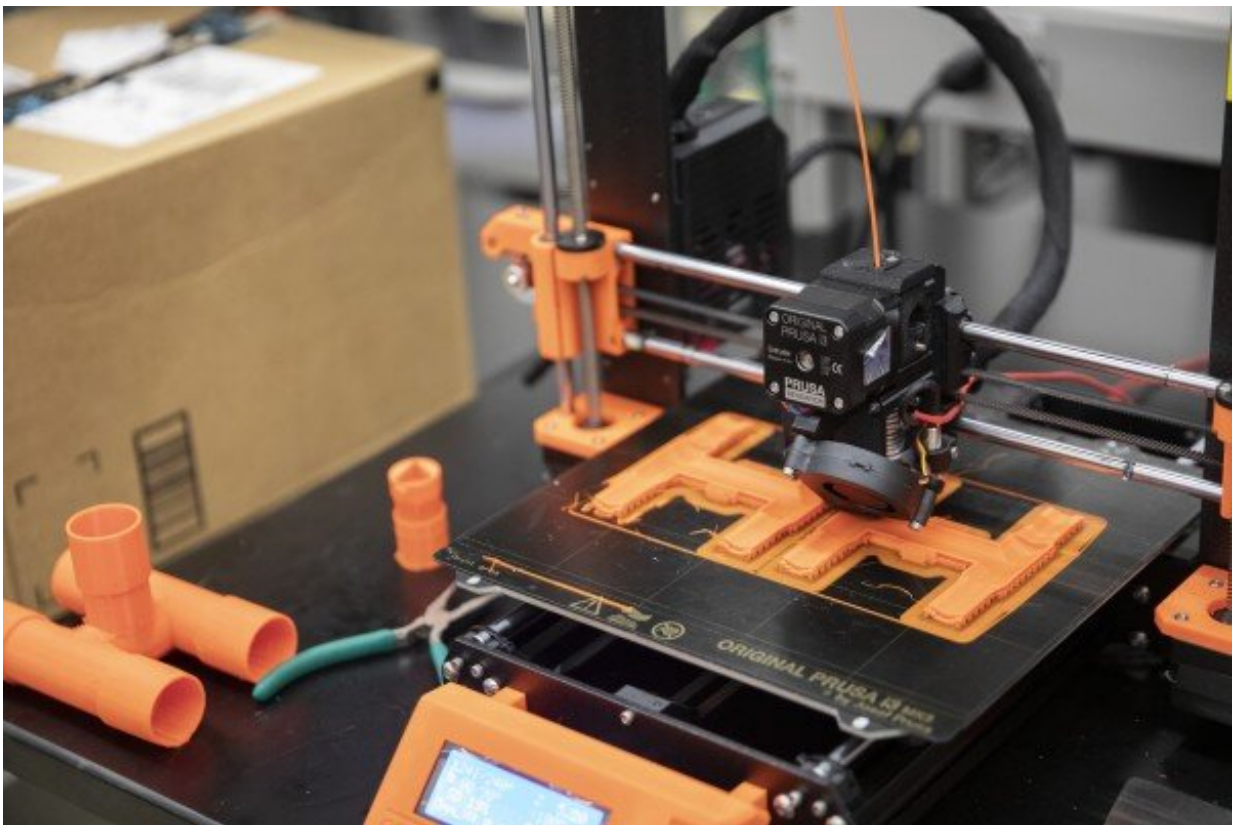


Engineers share 3-D-printed ventilator adapter design to help during COVID-19 pandemic

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

Citation: Engineers share 3-D-printed ventilator adapter design to help during COVID-19 pandemic (2020, April 23) retrieved 20 May 2024 from <https://medicalxpress.com/news/2020-04-d-printed-ventilator-covid-pandemic.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is

provided for information purposes only.