

Panda Robotics: Development of a Prototype 3D Print Head Assembly

Panda Robotics and GBC have joined forces to design and fabricate the extruding subsystem of their PandaBot prototype 3D printer. Students from the Mechanical Engineering Design program assisted with the redesign of the x-axis and extrusion head components of the PandaBot printer.

They worked to develop a working proof of concept of the subsystem using 3D printed and stock components. Based on the proof of concept design, they fabricated an initial metal prototype of the subsystem.

The students presented their work at the 2013 OCE Qualifying round. Once completed, Panda Robotics will have in hand the extruding subsystem required for their prototype 3D printer, giving them a headstart on the commercialization of their product.

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