Project PAM

Hardware

View repo on
GitHub

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/// Introduction.

The goal of Project Pam's hardware is to provide a flexible platform for fast, precise prints.

/// Specifications

The build volume is intended to be very flexible. The printer can accept two 1080p projectors for a large build area of 21.6 cm by 19.8 cm. With a Z axis travel of 21.6 cm the build volume can be as large as 9 L. Different sizes of build vats can be used to reduce the amount of resin necessary for building smaller parts.

Maximum build dimensions:
- X: 21.6 cm
- Y: 19.8 cm
- Z: 21.6 cm
- Volume: 9 L

/// Off the Shelf Parts

Electronics:
- Arduino Uno R3
- Adafruit Motor Shield v2.3
- 12 V 300 mA NEMA 17 Stepper Motors
- 12 V 1000mA DC Power Supply

The prototype will be tested with G+ resin from MakerJuice Labs.

/// Releases

First Release Coming Soon!

/// Contributing Workflow

Here's how we suggest you go about proposing a change to this project:

1. Fork this project to your account.
2. Create a branch for the change you intend to make.
3. Make your changes to your fork.
4. Send a pull request from your fork's branch to our `master` branch.

Using the web-based interface to make changes is fine too, and will help you by automatically forking the project and prompting to send a pull request too.

/// Contact Us

For general correspondence please email us at projectpam.siu@gmail.com

Questions and comments can be posted on our mailing list or you can email them to projectpam@googlegroups.com

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