

# Meeting Minutes: 360 Designs

## *Call to order*

A meeting of 360 Designs was held at the Engineering Design Suite on 9/19/2019. Attendees included Tanner Sloan, Jake Metter, Mark Jennings, Dr. Beyerlein, and Nick and Trevin from EPC.

## *Agenda*

1. Tour EPC
2. Learn about encoders
3. Discuss project scope
4. Brainstorm potential EPC ideas/concepts they would like implemented
5. Free time for discuss other relevant topics

## *Reports*

- Initial idea of “building a table” has been thrown out, just focus on what is going on top of the table and the actual table can be purchased.

## *Unfinished business*

- No unfinished business.

## *New Business*

- Mark to contact UniStream referencing obtaining the PLC HMI.
  - John Anastasiades: [support@unitronics.com](mailto:support@unitronics.com) ; 617-657-6596
  - Mention we are students at U of I working with EPC
  - Inquire the OS of the PLC, to see if we can run the programmable encoders on the same device or not.
- Toured Website
  - Sales and Service tab: watch for info on encoder industry
  - Products tab: location of data sheets, applications link provides industry information
  - Technical Support: read up on technical bulletins, including installation, etc.
- Project scope defined
  - 4 encoder technologies incorporated. Start with one at a time (would rather have one great one than 4 cheesy ones). From highest priority models to least:

- Programmable: 255P, 58TP
- Absolute: A58HE, A58SE
- Model 15
- 30M
- Design should be modular. Should allow encoders to be removed and others to be added in the future. Should allow for transportation of individual modules.
  - Each encoder should have its own motion control.
- Design should attract people to the table, then give them something to play with and explore the function of encoders.
- Footprint of the encoder
  - Should fit within an elevator and within a doorway
  - Approximate size 2.5 x 4-6 [ft]
- Tie PLC to website for additional browsing
- Could have more than one PLC

### *Announcements*

- No announcements.

### *Adjournment*

The meeting was adjourned.

Tanner Sloan - 9/19/2019

*Secretary*