

DMS 3D Fab meeting minutes 2020.07.11

Attendance:

1. Max Kirkland
2. Will Hodge
3. Mitch Ceroni
4. Kevin Thompson
5. Jonathan Smith
6. Patrick Thompson
7. Jim Hartnett
8. Shamando Sharpless
9. john a gorman
10. Josh Melnick
11. Holly Kolman
12. Nick Silva
13. Andrew LeCody
14. Chris Fazio
15. Michael Bayern
16. Jayson Woods
17. Josh Wims
18. Doug Emes

3D Scanner:

Can scan auto parts to replicate
Does not do detail at jewelry level
Can do both concave and convex surfaces

60 sec scan and build time.

Academia 50 scanner +

50 concurrent users licence

Customer care

~\$10,290 (based on old Feb/March quote without PC or cart)

- Computer requirements
- Does it need a cart or laptop?

We do have a storage unit.

Security concerns:

RFID not currently avail. Jim H says it would be easy to set up.

When we voted on it in Feb, 3D budget was \$13-14K

Useful for several committees to use it.

Use case: want to be avail around space? Discussion about sharing with other committees and movement about the Space. Safety concern as well.

NextGen scanner: sell on ebay or other market site.

Motion: Present to the board for a 50/50 split purchase. If approved by the board, the purchase will move forward. If denied, a new vote will need to be taken.

Chris Fazio: in favor

Will Hodge: in favor

Mitch Ceroni: in favor

Kevin Thompson: yes

Jonathan Smith: yes

Patrick Thompson: yes

Jim Hartnett: yes

Shamando Sharpless: abstain

john a gorman: in favor

Josh Melnick: abstain

Holly Kolman: in favor

Nick Silva: abstain

Andrew LeCody: favor

Michael Bayern: in favor

Jayson Woods: in favor

Josh Wims: in favor

Max Kirkland: in favor

Motion passed.

Formlabs printers:

Discussed in the Feb meeting. Failure continues in the same places - the 3 electrodes that sense the tray, as well as the acrylic shell. FormLabs no longer sends out replacement parts (john a gorman previously replaced the board with the electrodes). \$400 charge to repair each machine.

Used machines selling for ~\$1,900 on eBay.

Motion: send both formlabs printers for repair, and once returned sell on open market as fundraising for 3dfab

Chris Fazio: in favor

Will Hodge: in favor

Mitch Ceroni: in favor

Kevin Thompson: yes

Jonathan Smith: yes

Patrick Thompson: against

Jim Hartnett: yes

Shamando Sharpless: abstain

john a gorman: in favor

Josh Melnick: abstain

Holly Kolman: abstain
Nick Silva: abstain
Andrew LeCody: favor
Michael Bayern: in favor
Jayson Woods: in favor
Josh Wims: in favor
Max Kirkland: in favor

Motion passes

Elegoo Mars 3D Resin Printer, Resin, and supplies:

Chris Fazio: in favor
Will Hodge: in favor
Mitch Ceroni: in favor
Kevin Thompson: yes
Jonathan Smith: yes
Patrick Thompson: in favor
Jim Hartnett: yes
Shamando Sharpless: abstain
john a gorman: in favor
Josh Melnick: abstain
Holly Kolman: in favor
Nick Silva: abstain
Andrew LeCody: favor
Michael Bayern: in favor
Jayson Woods: in favor
Josh Wims: in favor
Max Kirkland: in favor

Passes

\$500 approved

Email: Purchase@dallasmakerspace.org

Discussion of software load for PCs

- Simplify 3D only with a cost
- Cura, Fusion 360, KissSlicer, Prusa Slicer

Motion:

purchase 2 licenses of Simplify3d not to exceed \$300. Each license includes 2 seats

Chris Fazio: in favor
Will Hodge: in favor
Mitch Ceroni: in favor
Kevin Thompson: yes

Jonathan Smith: yes
Patrick Thompson: in favor
Jim Hartnett: yes
Shamando Sharpless: not present
john a gorman: in favor
Josh Melnick: abstain
Holly Kolman: abstain
Nick Silva: abstain
Andrew LeCody: favor
Michael Bayern: in favor
Jayson Woods: in favor
Josh Wims: in favor
Doug Emes: in favor

Passes
\$300 approved

Discussion about unattended prints

Motion:

For the duration of the special space-wide COVID rules, 3dfab will allow unattended prints with permission of the Chair, Vice Chair, or their delegate. Individual Members may only run one (1) printer at a time unattended, up to 3 printers total may run in an unattended state. A shared calendar will be setup for members to see the status and contact information for such prints.

Chris Fazio: in favor
Will Hodge: in favor
Mitch Ceroni: in favor (reluctantly)
Kevin Thompson: left
Jonathan Smith: against as written
Patrick Thompson: abstain
Jim Hartnett: yes
Shamando Sharpless: not present
john a gorman: in favor
Josh Melnick:
Holly Kolman: abstain
Nick Silva: abstain
Andrew LeCody: proxy: abstains
Michael Bayern: in favor
Jayson Woods: in favor
Josh Wims: in favor
Doug Emes: in favor
Max Kirkland: in favor

Motion passes

Nominations for 3D Fab Chairperson.

Max: John A Gorman

Patrick: Mitch Cerroni

Next Meeting (and election) August 1st 6pm

Motion: officially remove the requirement for an in-person checkout on existing 3dfab online classes

Chris Fazio: in favor

Will Hodge: in favor

Mitch Ceroni: aye

Kevin Thompson: left

Jonathan Smith: in favor

Patrick Thompson: yes

Jim Hartnett: yes

Shamando Sharpless: not present

john a gorman: in favor

Josh Melnick: abstain

Holly Kolman: abstain

Nick Silva: absent

Andrew LeCody: proxy patrick: aye

James Henningsons: proxy patrick: aye

Michael Bayern:

Jayson Woods:

Josh Wims: in favor

Doug Emes: in favor

Max Kirkland: in favor

Transcript of Chat:

You 5:57 PM

This meeting will be recorded starting at 6pm

Josh W 5:57 PM

do we have both form labs up and running

Josh Melnick 6:00 PM

hello everyone

Josh Melnick

Josh W 6:00 PM

joshua Wims

Holly 6:00 PM

Holly Kolman

You 6:00 PM

john a gorman in attendance

Nicolas Silva 6:00 PM

nick silva

You 6:01 PM

jayson woods in attendance

chris fazio

You 6:02 PM

andrew lecodey in attendance

Tails Hon1nbo 6:04 PM

will hodge

mitch ceroni

kevin thompson

jonathan smith

patrick thompson

jim hartnett

shamando sharpless

Jayson Woods 6:05 PM

Jayson woods is on app now

Tails Hon1nbo 6:05 PM

max kirkland

You 6:05 PM

jj perry in attendance

Tails Hon1nbo6:05 PM

jj perry

Holly6:06 PM

Max, will you get closer to a mic please?

You6:06 PM

Shamando Sharpless in attendance

Jayson Woods6:10 PM

What is 3D fans current budget?

Nicolas Silva6:11 PM

did you try scanning a person?

Holly6:11 PM

Thanks for meeting with the rep and letting us know what you found out, JJ

Michael Bayern6:17 PM

The most recent use case I'm aware of is Jay needing to scan the trunk of his miata to mate a spoiler up to it. Just the outside contour of the car was all he needed, no need to scan then entire part.

A handheld scanner will be more useful for large parts anyways

Michael Bayern6:19 PM

Nah laser has longer cables than that

What's the price?

Jayson Woods6:20 PM

10200.00 ish

You6:20 PM

There is also the i7 PC on the crash cart.

Michael Bayern6:22 PM

Can someone be sure to read the motion before the vote? There's a lot of back and forth going on.

That's not how tools work.....

You6:22 PM

Motion to purchase 3D scanner, asking the board to pay half.

actually, better if someone on site write it up

Nicolas Silva6:25 PM

agree with jim

Tails Hon1nbo6:27 PM

Motion: Present to the board for a 50/50 split purchase. If approved by board, the purchase will move forward. If denied, a new vote will need to be taken.

Josh Melnick6:27 PM

I abstain

Josh W6:27 PM

vote in favor

Jayson Woods6:28 PM

Favor

Andrew LeCody6:28 PM

I vote in favor

You6:28 PM

i am in favor

Michael Bayern6:28 PM

In favor

JJ Perry6:28 PM

Abstain due to meeting with Creaform

Nicolas Silva6:28 PM

abstain

Holly6:29 PM

Yes

yes

Josh W6:36 PM

we just purchased a second 1 last year

Holly6:39 PM

abstain

Tails Hon1nbo6:39 PM

Motion: send both formlabs printers for repair, and once returned sell on open market as fundraising for 3dfab

Jim Hartnett seconds Max's proposal

Josh W6:39 PM

in favor

Andrew LeCody6:40 PM

in favor

Jayson Woods6:40 PM

Favor

Nicolas Silva6:40 PM

I abstain

Michael Bayern6:40 PM

In favor, though I'm surprised they aren't being sold as is.

Jayson Woods6:41 PM

The buying part is not in the motion

Jayson Woods6:42 PM

Favor

Jayson Woods6:44 PM

Can we get a firm price on these?

Michael Bayern6:46 PM

Idk if my audio is good, Amazon has them for \$215 right now

Tails Hon1nbo6:47 PM

Motion from Max: purchase one Mars SLA printer and resin supplies not to exceed \$500

Seconded by Jim

You6:49 PM

Elegoo Mars

Elegoo MArS Pro

Nicolas Silva6:50 PM

I abstain since I don't know anything about them but I'm sure you guys know better about the printer.

Michael Bayern6:50 PM

I'm not very optimistic, but there's only one way to find out, I'm in favor.

You6:50 PM

Motion from Max: purchase one Elegoo Mars Pro SLA printer and resin supplies not to exceed \$500

Michael Bayern6:50 PM

Amazon has the Pro for \$280 at the moment

Josh W6:50 PM

in favor

Jayson Woods6:50 PM

Favor

Andrew LeCody6:50 PM

in favor

Josh Melnick6:50 PM

abstain

Shamondo Sharpless6:58 PM

Thanks for your time. I have to go. Have a good weekend

Josh W7:00 PM

yes we here you

Michael Bayern7:01 PM

Thanks, had audio issues earlier

Tails Hon1nbo7:02 PM

Motion: purchase 2 more licenses for Simplify3d (each license includes 2 seats; \$140/license for a total of \$280)

Doug Emes7:02 PM

Apologies I had to go grocery with spouse

Tails Hon1nbo7:02 PM

correction \$149/license

Tails Hon1nbo7:03 PM

corrected motion: purchase 2 licenses of Simplify3d not to exceed \$300. Each license includes 2 seats

Nicolas Silva7:05 PM

I abstain but I think it's a good idea to have more.

Andrew LeCody7:05 PM

in favor

You7:05 PM

more in what way?

Jayson Woods7:05 PM

Favor

Josh W7:05 PM

in favor

Nicolas Silva7:05 PM

john: more licences

Josh Melnick7:06 PM

abstain

Holly7:09 PM

Thanks, Doug

Andrew LeCody7:16 PM

I have to dip out, I'm going to give my proxy to Patrick

You7:16 PM

got it andrew

Andrew LeCody7:16 PM

see ya guys :)

Nicolas Silva7:17 PM

there is NO other machines in DMS you can get something going and walk away. People have been banned for that.

Nicolas Silva7:24 PM

1 person 1 printer

You7:28 PM

Nick - lasers danger is fire, cnc is breakage flying parts. 3D printing doesn't have that risk

Michael Bayern7:29 PM

Agreed, I don't see the problem with running multiple printers, and I'm sorry Doug, I just didn't understand how the SLA/FFF made a difference. I'd rather just 'hey you can run up to 2 printers at once'

Nicolas Silva7:33 PM

flexible doesn't mean fair.

Nicolas Silva7:38 PM

I abstain but I don't think it

Tails Hon1nbo7:38 PM

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Josh Melnick7:39 PM

Abstain.

Nicolas Silva7:39 PM

abstain. but I feel it will end up as unfair to members on site.

Nicolas Silva7:40 PM

members may run only one but up to 3?

Josh Melnick7:41 PM

AFK

Nicolas Silva7:44 PM

gotta run. thank you for your participation and opinions. cheers!

Jayson Woods7:44 PM

14

Josh Melnick7:45 PM

Who is running?

Jayson Woods7:45 PM

Two weeks

Who was that

Josh Melnick7:46 PM

Mitch?

Josh Melnick7:48 PM

How do we give proxies?

Since online

Josh W7:51 PM

can we please update the wiki about online training

that needs to be verified Jim

Tails Hon1nbo7:56 PM

Motion: alter the training requirement for the online class such that any member may verify the start of a student's print. Print must be a well-known calibration print (such as the Tugboat, Benchy, etc) that can be photographed and sent a 3dfab instructor to validate

Motion: alter the training requirement for the online class such that any existing authorized printer user may verify the start of a student's print. Print must be a well-known calibration print (such as the Tugboat, Benchy, etc) that can be photographed and sent a 3dfab instructor to validate

Tails Hon1nbo8:02 PM

New motion: official remove the requirement for an in-person checkout on existing 3dfab online classes

Max second's

Josh Melnick8:04 PM

Abstain