LE PLUS GRAND RÉSEAU D'IMPRIMANTES 3D AU MONDE

THE WORLD'S LARGEST 3D PRINT NETWORK

3D HUBS

"3D Hubs tapped into a market that needed tapping"

Forbes

"3D printing on demand is now locally available"

FAST COMPANY

www.3dhubs.com
@3dhubs

3D HUBS

15,000+ IMPRIMANTES DANS 160 PAYS

15,000+ PRINTING LOCATIONS IN 160 COUNTRIES

maps.3dhubs.com

3D HUBS

DISTRIBUTION DIGITALE / *DIGITITAL DISTRIBUTION*

Les imprimantes 3D permettent la distribution digitale de produits physiques.
Après la musique, les livres et les films, on peut aujourd'hui en faire de même pour les biens de consommation.

3D printers enable digital distribution of physical products.
After music, books and movies we can now do the same for consumer products.

amazon kindle — **Plus d'un million de livres/** Over 1 Million Books

Spotify — **Plus de vingt million de chansons/ Over 20 Million songs**

3D HUBS — **Peut imprimer plus d'un million de designs/ Can print over 1 Million designs**

FIRST 3D PRINTING STEPS OF LARGER CONSUMER BRANDS

Disney

NOKIA

LEGO

Talk

search

POPULAR NEW MY TAGS MODERATE 3

START A NEW THREAD

1

Lost-wax casting on Formlabs Resin

Hello fellow Hubs, I have a customer who wants to use Lost-Wax Casting on a ring, printed with a Form1+. Can the Formlabs resin (or resin in general) take this? Is it advisable? Thanks! Filemon

Filemon 5 hours ago 10 comments (1 new) /Formlabs /Resin /Form1+ /How To Hub

2

transparent filament or?

I wonder if there is a material that is possible to print with, that will be transparent. I am printing with PLA and ABS and all kind of filament. But sometimes I see on the tube transparent products and don't quite understand how it's done...

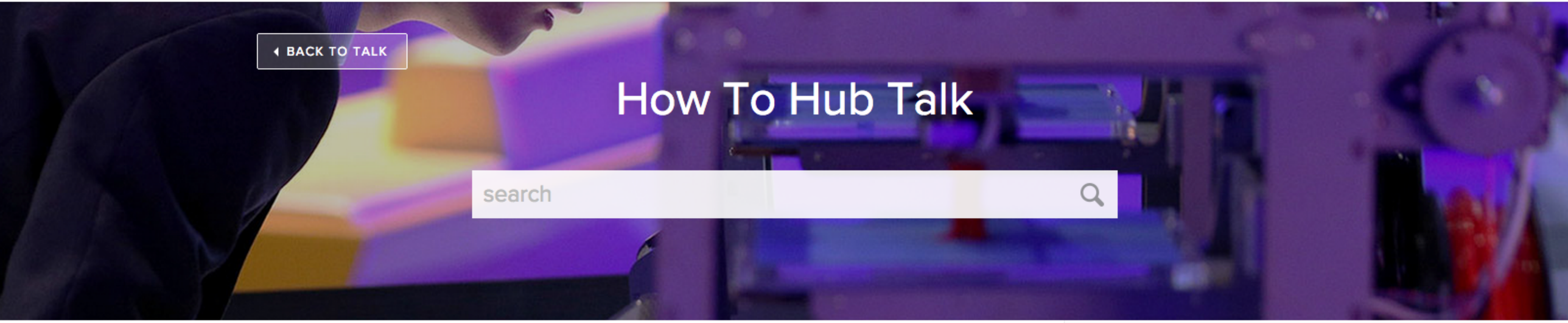
GN 3Dimprimo 6 hours ago 3 comments (2 new) /Filament /Linköping

About Talk

Talk is a place to share projects, ask questions, show off prints and announce events. It's all about 3D Printing. We're currently in beta so we would love to hear your ideas on how we can make it better.

My Tags

/Ultimaker /Amsterdam /Marvin /London /Fairphone /ColorFabb /3D Hubs Team /New York /Formlabs /Drones /Maker Tale /Los Angeles /San Francisco /3DRacers /Event



BACK TO TALK

How To Hub Talk

search

POPULAR | NEW | MY TAGS

START A NEW /HOW-TO-HUB THREAD

Lost-wax casting on Formlabs Resin

1

Hello fellow Hubs, I have a customer who wants to use Lost-Wax Casting on a ring, printed with a Form1+. Can the Formlabs resin (or resin in general) take this? Is it advisable? Thanks! Filemon

Filemon 5 hours ago 10 comments (1 new) /Formlabs /Resin /Form1+ /How To Hub

How many prints to hubs get on average?

2

How many prints to hubs get on average per day or hour?

GH georgeh1il 1 day ago 5 comments /How To Hub

How To Hub Talk

9 followers BC CT

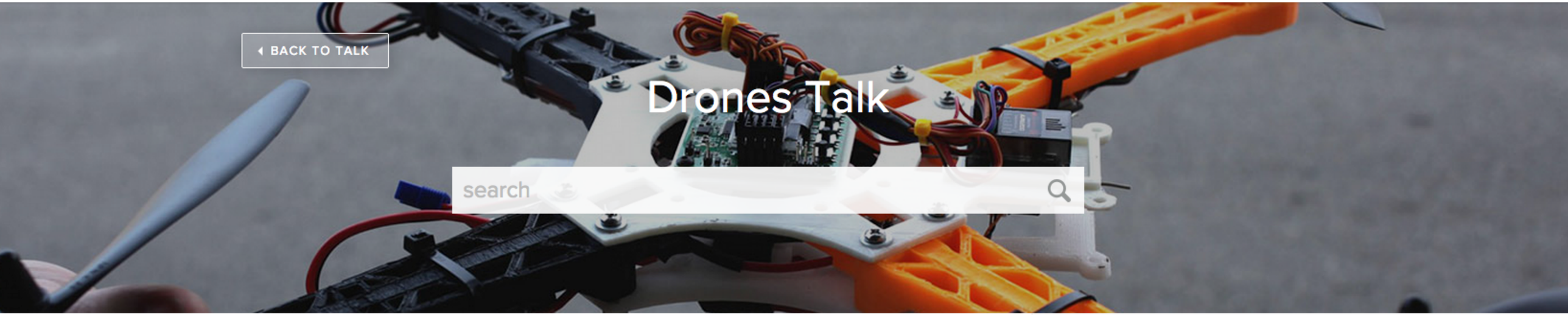
UNFOLLOW /HOW TO HUB

About Talk

Talk is a place to share projects, ask questions, show off prints and announce events. It's all about 3D Printing. We're currently in beta so we would love to hear your ideas on how we can make it better.

3D HUBS

My Tags



BACK TO TALK

Drones Talk

search

POPULAR | NEW | MY TAGS

START A NEW /DRONES THREAD

13

3D Printed drone build

For some time now I have wanted to 3D Print a quadcopter. So I have started and wanted to share the project with you guys. Maybe some of you are in the same situation, Maybe you

Copenhagen 7 days ago 5 comments (1 new)

/Copenhagen /Drones /Maker Tale

8

Voxel8 printing drones?

Just saw this. And I want one now. This is amazing. Read the article here: https://medium.com/the-letters/3d-printed-drones-are-finally-here-c76811... Would any of

Copenhagen a month ago 7 comments /Drones /Voxel8

Drones Talk

17 followers BC GS

UNFOLLOW /DRONES

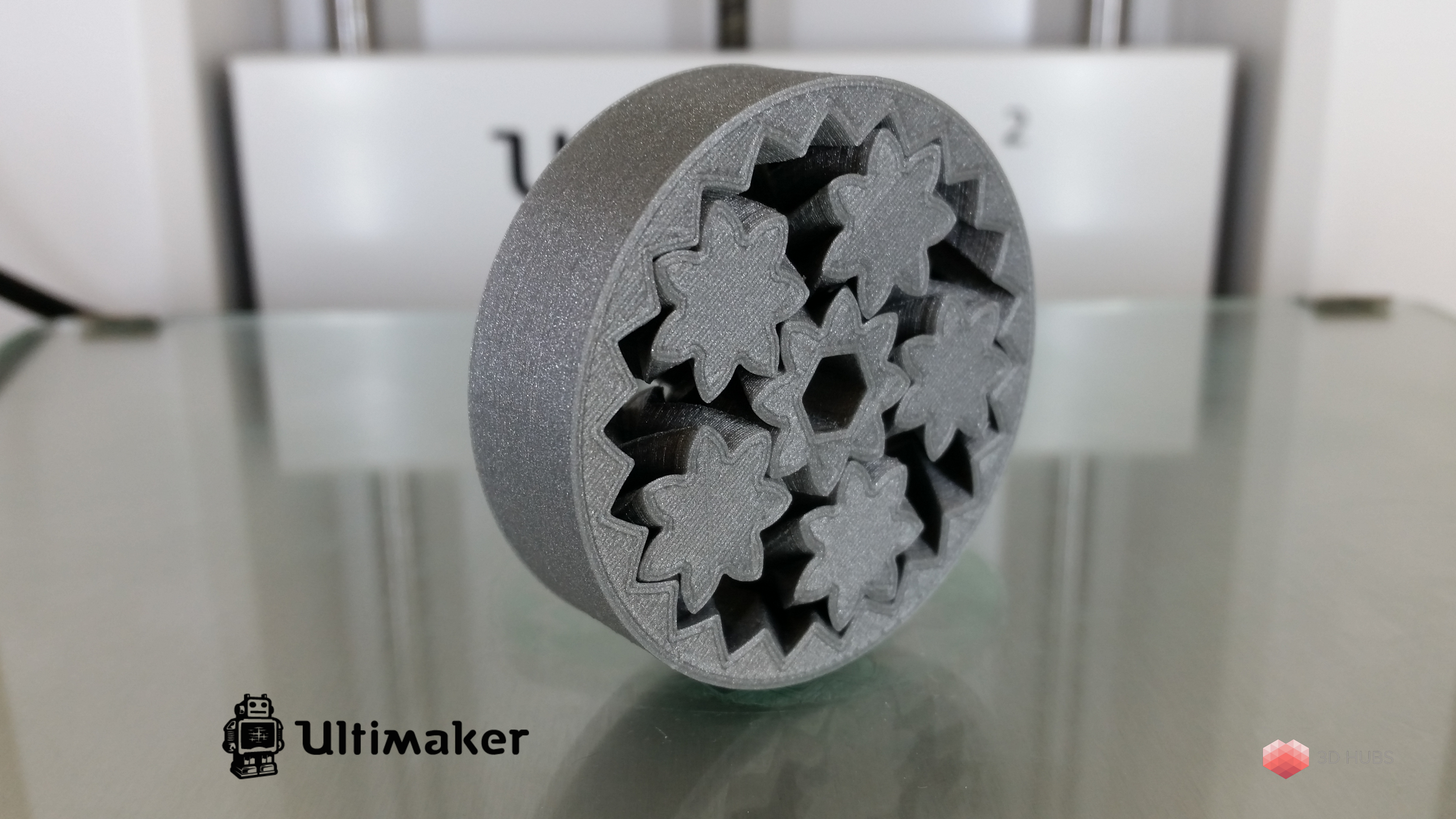
About Drones

Drones are aircrafts controlled by pilots from the ground. Quadcopters, Heliocopters, and other hobby drones fall into this category.

My Tags

/Ultimaker /Amsterdam /Marvin /London /Fairphone /ColorFabb /3D Hubs Team

FAIRPHONE
3D HUBS


Ultimaker
3D HUBS

3D HUBS

15%

Filament discount

Congratulations, you qualify for a 15% Colorfabb discount! If you would like to use this discount at any time, click the link below.

LEARN MORE

colorFabb

fabulous colors

3D HUBS

BACK TO TALK

ColorFabb Talk

search

3dhubs.com/talk/colorfabb

POPULAR NEW MY TAGS

START A NEW /COLORFABB THREAD

6

Ultimaker Sample Issues: Nut & Bolt

Ok, so something that earlier I got to work without any problem, suddenly I can't get done. I'm trying to print a smooth Nut & Bolt print on my Ultimaker 2 for a customer and these are my

Filemon 3 days ago 10 comments (1 new) /ColorFabb /Ultimaker 2

4

3D Hubs NY ColorFabb Workshop

Hi Hubs, We'd like to invite you to a "3D Hubs Filament Workshop" in New York, organized in collaboration with Colorfabb. During the event we'll be showcasing the new Colorfabb XT-CF20

Nikki 7 days ago 3 comments

/Boston /ColorFabb /Event /Filament /Hartford /New York /Philadelphia /Providence /Springfield-MA

ColorFabb Talk

15 followers MV JS

UNFOLLOW /COLORFABB

About ColorFabb

ColorFabb is a Dutch producer of high quality filaments for 3D printing, with special filaments such as their Bronze and Copper fill.

Thanks to our partnership with Colorfabb, our hubs can order Filament at this manufacturer with a discount.

WORKSHOP SUR LES FILAMENTS/
FILAMENT WORKSHOP

colorFabb

3D HUBS

FILAMENTS SPÉCIAUX / *SPECIAL FILAMENTS*

Matériaux composites / conseils généraux pour imprimer

Composite materials / general tips for 3D printing

3D HUBS SAMPLE PACK

PLA SPÉCIAUX / *SPECIAL PLA's*

XT's

FILAMENTS SPÉCIAUX

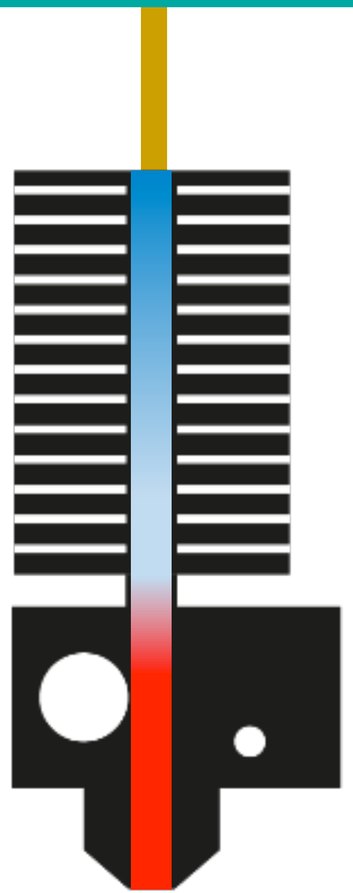
Matériaux composites / conseils généraux pour imprimer

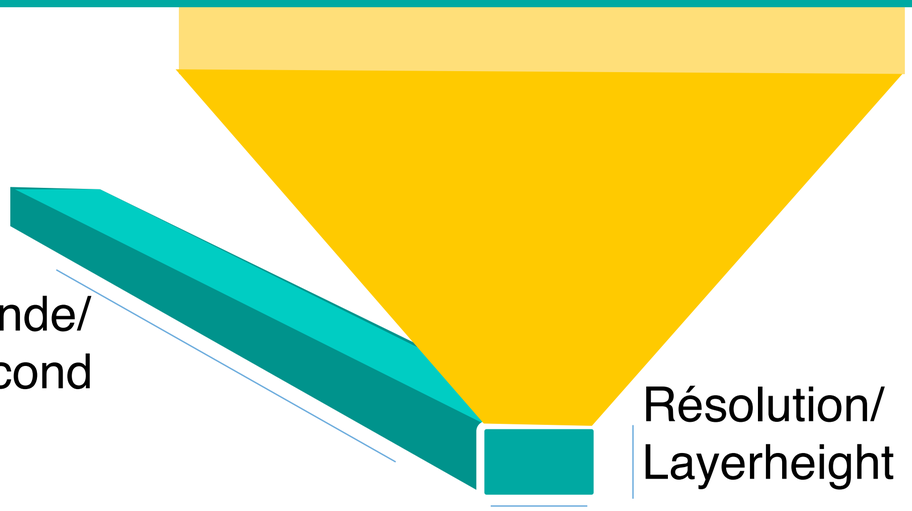
Vitesse à laquelle le filament traverse la zone à haute température

SPECIAL FILAMENTS

Composite materials / general tips for 3D printing

Speed at which the filament is moving through the hot-zone





Résolution **x** largeur buse **x** vitesse d'impression
= Volume par seconde

Layerheight **x** nozzle width **x** print speed
= Volume per second

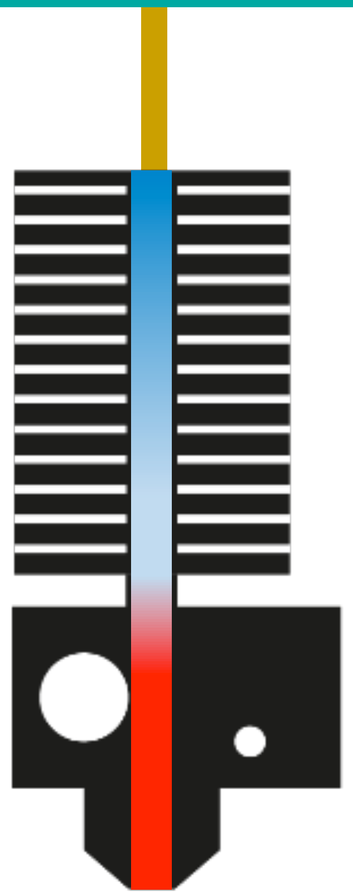
3D HUBS

FILAMENTS SPÉCIAUX

Matériaux composites / conseils généraux pour imprimer

SPECIAL FILAMENTS

Composite materials / general tips for 3D printing



0.05mm x 0.4mm x 50 mm/s = 1 mm^3 / s

0.2mm x 0.4mm x 100mm/s = 8 mm^3 / s

3D HUBS

FILAMENTS SPÉCIAUX

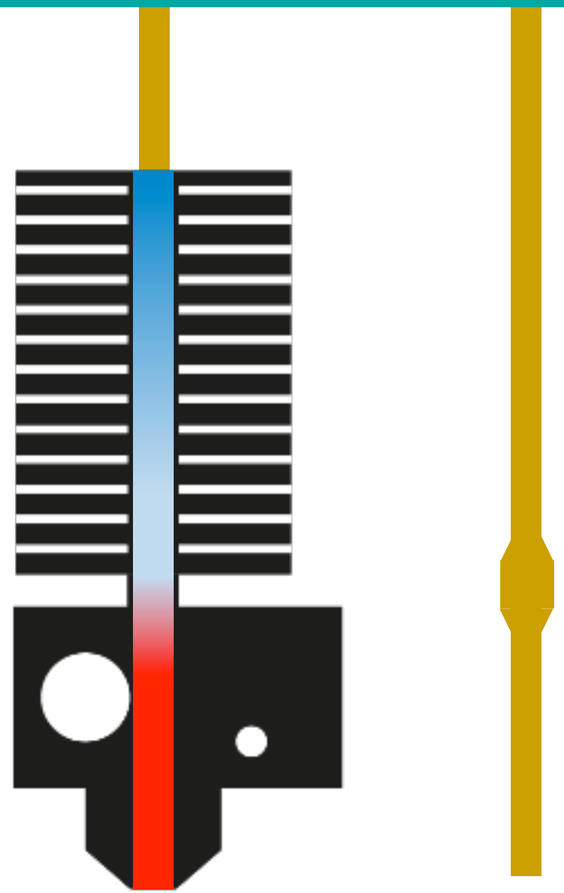
Matériaux composites / conseils généraux pour imprimer

SPECIAL FILAMENTS

Composite materials / general tips for 3D printing

Propagation ascendante de la chaleur dans le filament

HEAT MOVING UPWARDS IN THE FILAMENT



Partial or complete plug

3D HUBS

FILAMENTS À BASE DE PLA/PHA

Matériaux composites / conseils généraux pour imprimer

PLA/PHA BASED FILAMENTS

Composite materials / general tips for 3D printing

3D HUBS

PREMIERS RÉGLAGES POUR BRONZEFILL, COPPERFILL, BRASSFILL, BAMBOOFILL, WOODFILL.

DIAL IN SETTINGS FOR BRONZEFILL, COPPERFILL,BRASSFILL, BAMBOOFILL, WOODFILL.

Commencer avec des couches d’épaisseur compr
entre 0.2mm et 0.3mm

À température et vitesse habituelles pour le PLA sur votre imprimante

Start with layers between 0.2mm and 0.3mm

At regular PLA temperature and speed for your 3D printer.

3D HUBS

FILAMENTS À BASE DE XT

Matériaux composites / conseils généraux pour imprimer

XT BASED FILAMENTS

Composite materials / general tips for 3D printing

3D HUBS

XT-copolyester
conseils généraux pour imprimer

XT-copolyester
general tips for 3D printing

Ni du PLA ni de l’ABS.

It’s not PLA and not ABS.

Température conseillée:
Advised 3d printing temperature:
240-260C

Vitesse d’impression conseillée:
Advised 3d print speed:
40 - 70 mm/s

Température conseillée plateforme chauffante:
Advised Heated Bed temperature:
60-70C

3D HUBS

XT-copolyester
conseils généraux pour imprimer

XT-copolyester
general tips for 3D printing

Déformations lors des déplacements
Oozing on travel moves

Paramètres de retrait / Retraction Settings
Ultimaker 2

Vitesse de retrait / Retraction Speed 45 mm/s
Distance de retrait / Retraction Distance 4.5 / 6mm

Vitesse déplacement / Travel speed 150 / 200 mm/s
Température / Print temperature 240 / 260C

3D HUBS

XT-CF20

conseils généraux pour imprimer
general tips for 3D printing

It’s XT with carbon fiber.

Température conseillée:
Advised 3d printing temperature:
240-260C

Vitesse d’impression conseillée:
Advised 3d print speed:
40 - 70 mm/s

Température conseillée plateforme chauffante:
Advised Heated Bed temperature:
60-70C

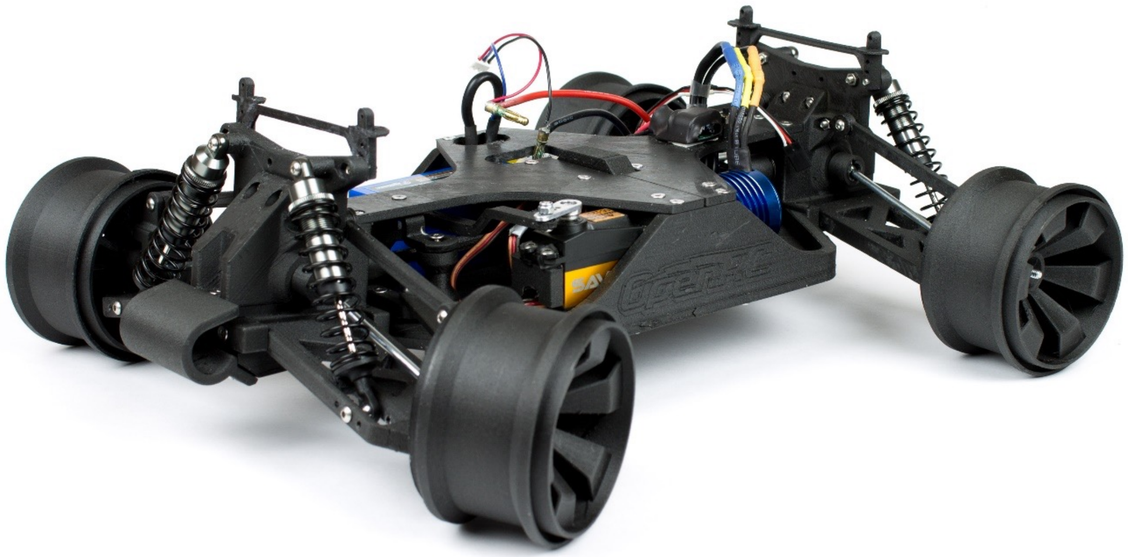
3D HUBS

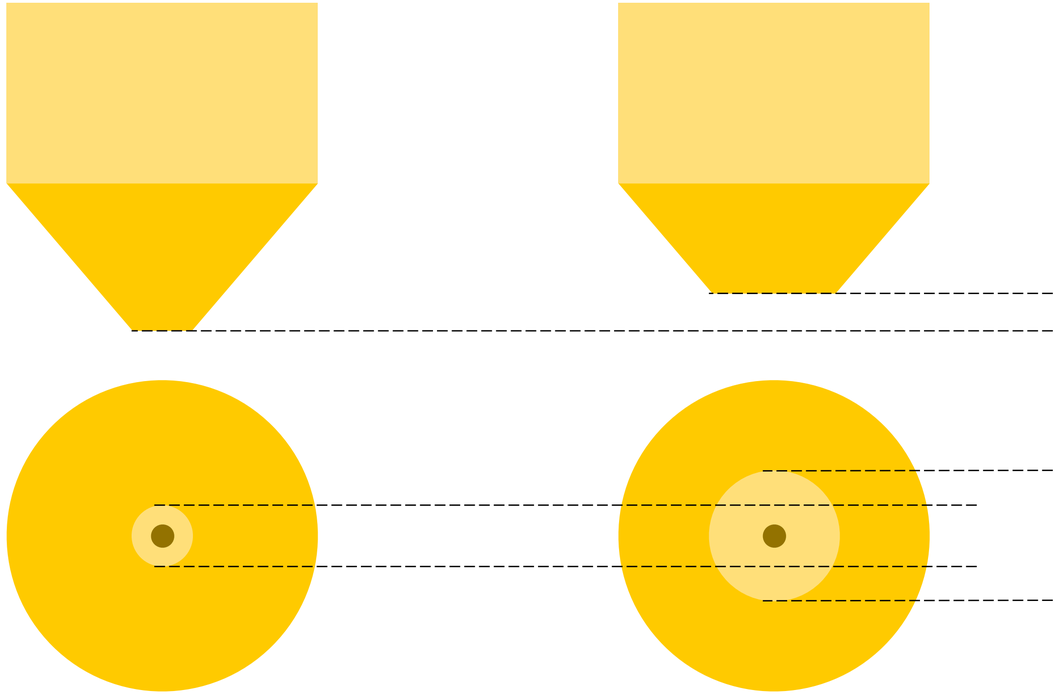
XT-CF20

conseils généraux pour imprimer
general tips for 3D printing

Carbon Fiber is abbrasive.

L’impression avec du XT-CF20 va user le laiton de la buse.
Brass nozzles will wear while printing XT-CF20



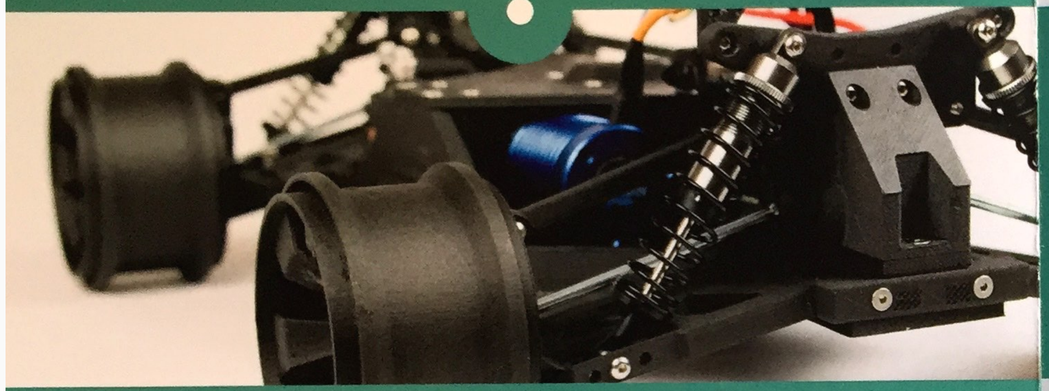


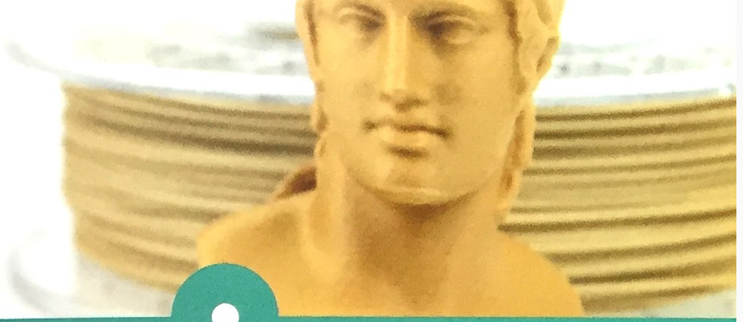
3D HUBS

XT-CF20

density **1,35 gram/cc**
flex modulus **6,2 GPa**
glass temperature **80C**

Adviced 3d printing temperature:
240-260C*
Adviced 3d print speed:
40 - 70 mm/s
Advised Heated bed
60-70C





bambooFill

density **1,12 - 1,15 gram/cc**
flex modulus **3,3 GPa**
glass temperature **55C**

Adviced 3d printing temperature:
195-220C*
Adviced 3d print speed:
40 - 100 mm/s
Advised Heated bed (not mandatory)
50-60C

XT-copolyester

density **1,27 gram/cc**
flex modulus **2,1 GPa**
glass temperature **75C**

Adviced 3d printing temperature:
240-260C*
Adviced 3d print speed:
40 - 70 mm/s
Advised Heated bed
60-70C

copperFill

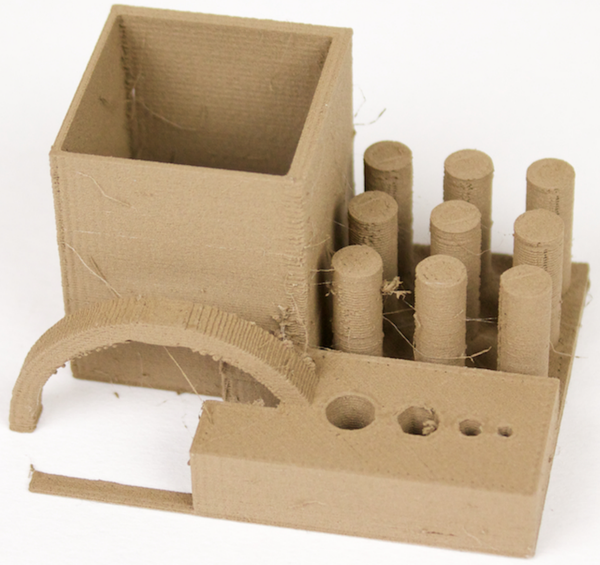
density **3,9 gram/cc**
flex modulus **n/a**
glass temperature **55C**

Adviced 3d printing temperature:
195-220C*
Adviced 3d print speed:
40 - 100 mm/s
Advised Heated bed (not mandatory)
50-60C

Exemple de réglages bronzeFill
bronzeFill example settings

http://learn.colorfabb.com/print-bronzefill/

3d printer	layerheight (mm)	speed (mm/s)	temperature (C)	Build Plate temp (C)	Retraction Distance (mm)	Retraction Speed (mm/s)
Ultimaker Original	0.2	50mm/s	215	n.a.	4.5	45
Ultimaker 2	0.2	50mm/s	220	55 / 60	4.5	25
Makerbot Replicator 2	0.2	90mm/s	200C	n.a.	(standard makerware)	(standard makerware)



3D HUBS

Exemple de réglages copperFil
copperFill example settings

http://learn.colorfabb.com/print-copperfill/

3d printer	layerheight (mm)	speed (mm/s)	temperature (C)	Build Plate temp (C)	Retraction Distance (mm)	Retraction Speed (mm/s)
Ultimaker Original	0.2 / 0.27	50mm/s	200-210	n.a.	4.5	45
Ultimaker 2	0.2 / 0.27	50mm/s	195-210	55 / 60	4.5	25 / 45
Makerbot Replicator 2	0.16 / 0.2	80mm/s	190 - 205	n.a.	(standard makerware)	(standard makerware)

3D HUBS

Exemple de réglages XT
XT example settings

http://learn.colorfabb.com/print-_xt/

Ultimaker 2 – speed and temperature settings

Layerheight (mm)	Speed (mm/s)	Temperature (C)	Build Plate Temperature (C)
0.2	50	240-245	70
0.1	50 - 70	235-240	70

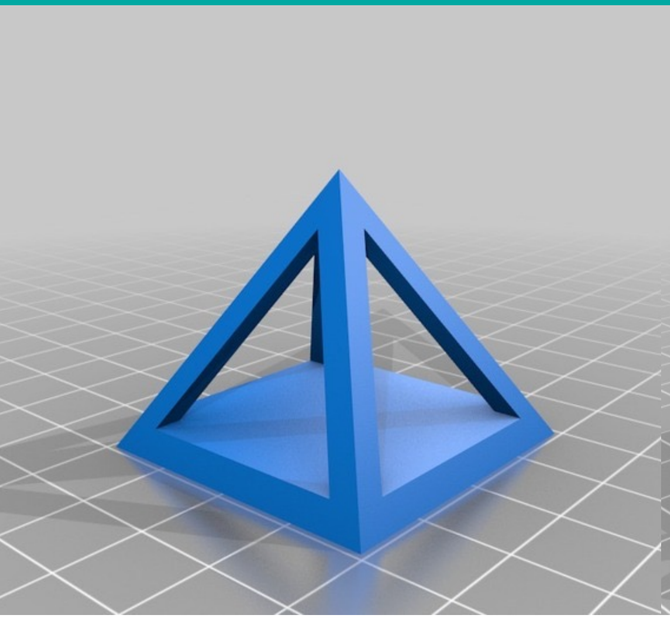
Retraction settings remained unchanged, 40 mm/s speed and 4.5 mm distance.

Ultimaker Original – speed and temperature settings

Layerheight (mm)	Speed (mm/s)	Temperature (C)	Cooling
0.2	50	250-255	off for first centimeter
0.1	50 - 70	245-250	off for first centimeter

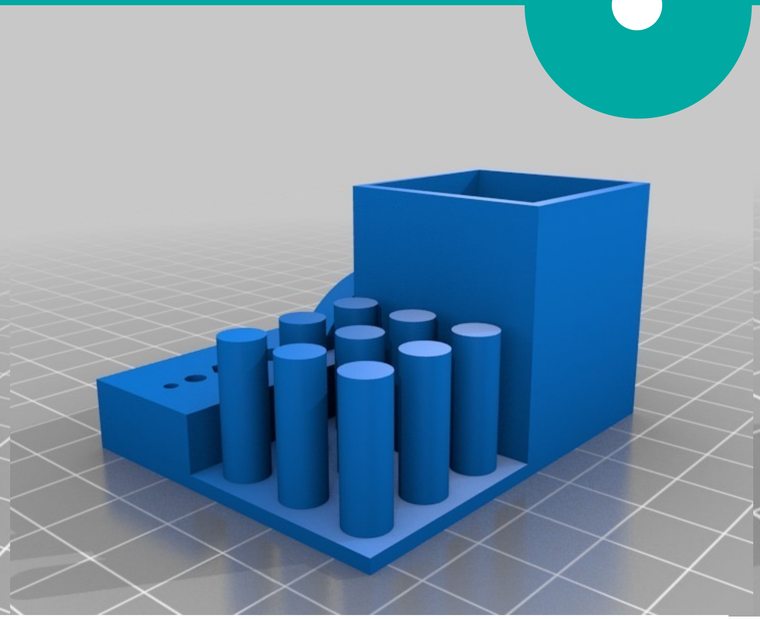
3D HUBS

MODÈLES POUR CALIBRATION
CALIBRATION MODELS



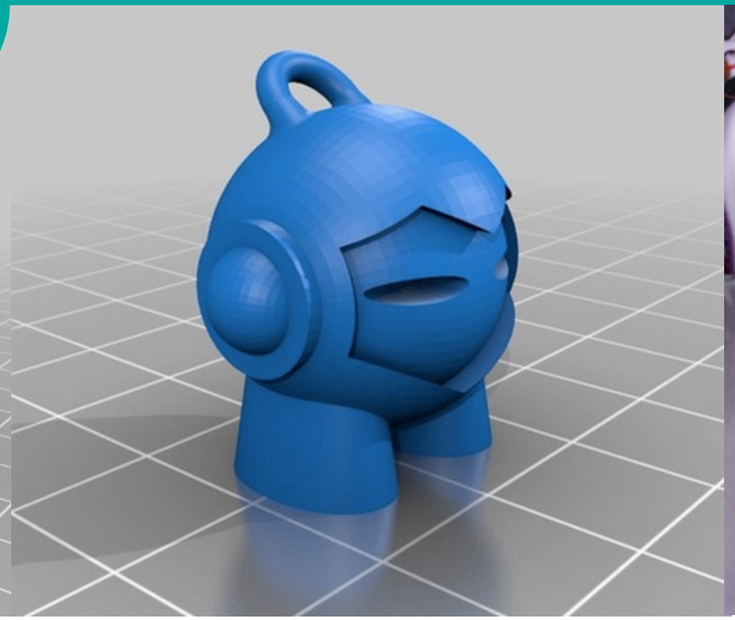
Pyramide vide
Réglages du retrait

Hollow Pyramid
Retraction settings
thing:11846



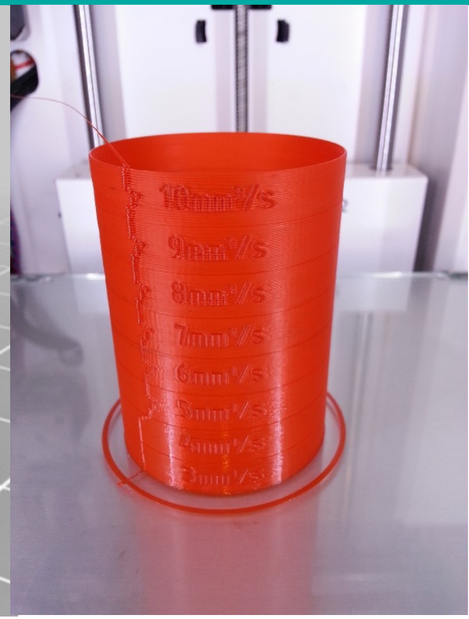
Test de torture
Test général

Torture Test
Overall test
thing:33902



Marvin Test
Test général

Marvin Test
Overall test
thing:215703



Test débit
volume max/ sec à température donnée

Flow test
Max volume / second at temperature

3D HUBS

BACK TO TALK

ColorFabb Talk

search

3dhubs.com/talk/colorfabb

POPULAR NEW MY TAGS

START A NEW /COLORFABB THREAD

6

Ultimaker Sample Issues: Nut & Bolt

Ok, so something that earlier I got to work without any problem, suddenly I can't get done. I'm trying to print a smooth Nut & Bolt print on my Ultimaker 2 for a customer and these are my

Filemon 3 days ago 10 comments (1 new) /ColorFabb /Ultimaker 2

4

3D Hubs NY ColorFabb Workshop

Hi Hubs, We'd like to invite you to a "3D Hubs Filament Workshop" in New York, organized in collaboration with Colorfabb. During the event we'll be showcasing the new Colorfabb XT-CF20

Nikki 7 days ago 3 comments

/Boston /ColorFabb /Event /Filament /Hartford /New York /Philadelphia /Providence /Springfield-MA

ColorFabb Talk

15 followers MV JS

UNFOLLOW /COLORFABB

About ColorFabb

ColorFabb is a Dutch producer of high quality filaments for 3D printing, with special filaments such as their Bronze and Copper fill.

Thanks to our partnership with Colorfabb, our hubs can order Filament at this manufacturer with a discount.

copperFill

Déplacement et suintement du filament entre support et pièce

Oozing and stringing between support and model.

Baisser la température
Augmenter le retrait

Decrease temperature
Increase retraction

XT-copolyester

Le remplissage ne se fait pas de manière continue

Infill is not laying down in consistent extruded lines.

Vitesse d’impression plus lente pour le remplissage

Slower print speed for infill.

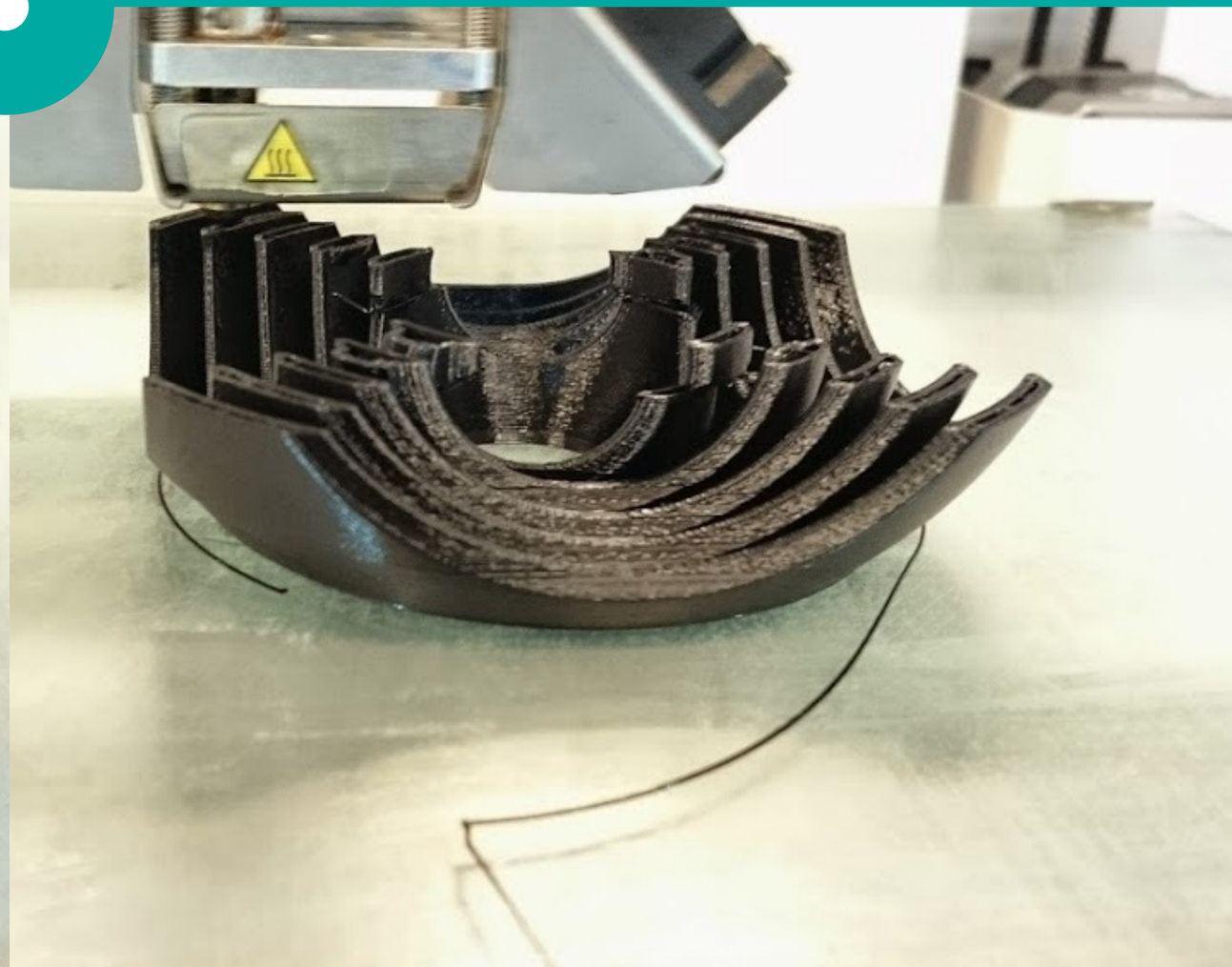
XT-copolyester

Déformation de la pièce durant l’impression due au repli du matériau

Model shifted during print, due to warping.

Application d’une nouvelle couche de colle

Fresh coating of gluestick.



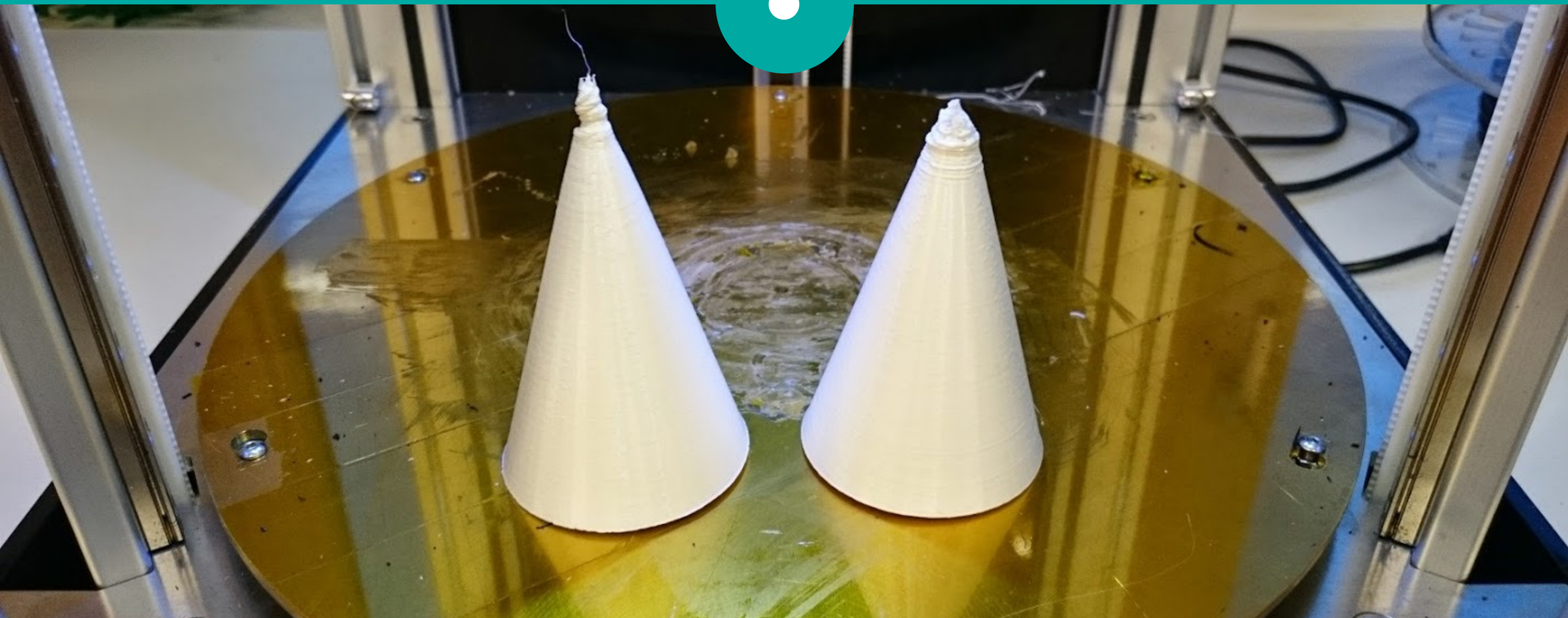
XT-copolyester

Extrémités fondues dues à une impression trop rapide et un refroidissement insuffisant

Molten tips due to fast printing and not enough cooling.

Augmenter le temps min. par couche

Increase minimal layertime.



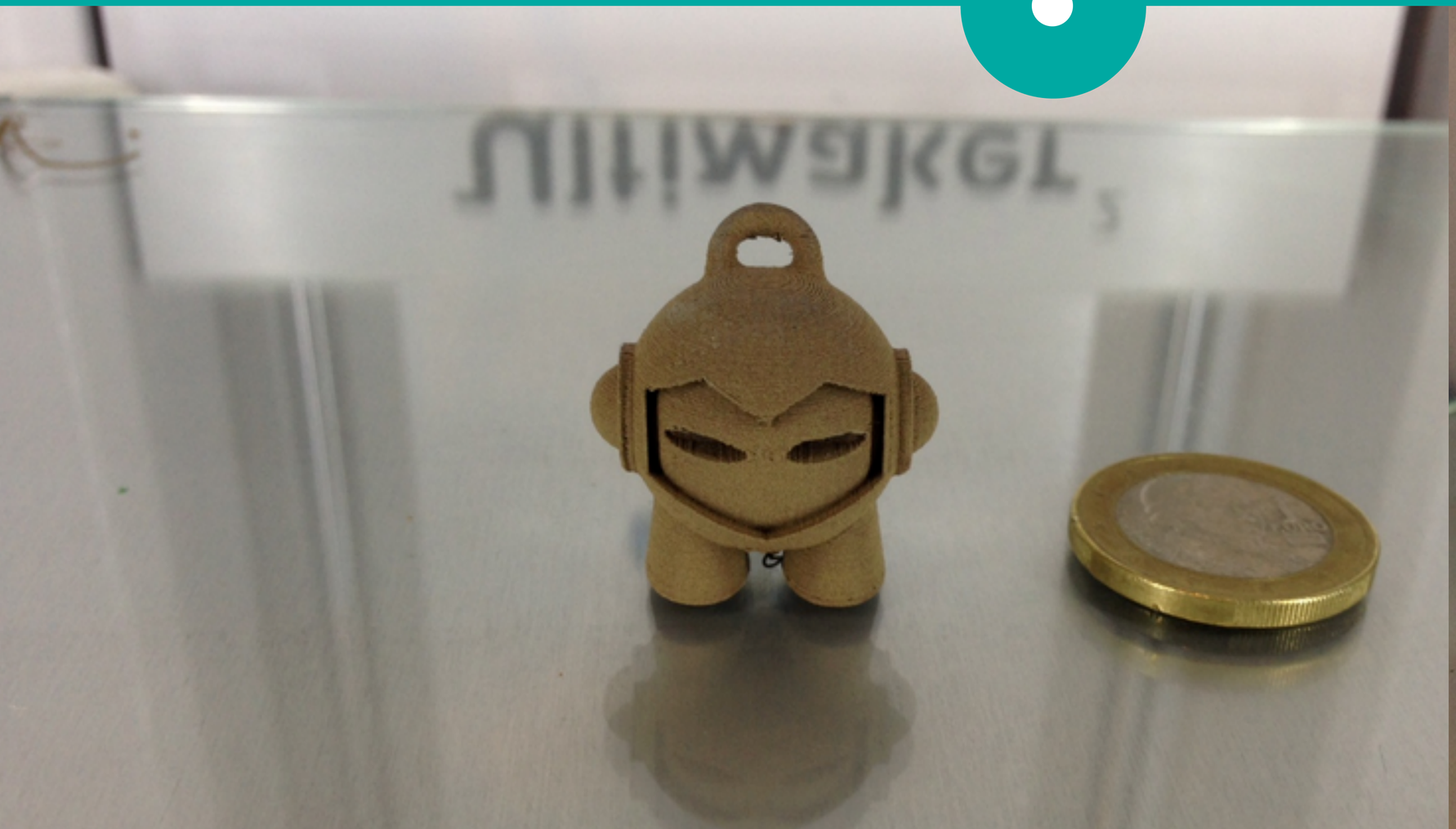
bronzeFill

comment imprimer le Marvin parfait en Bronzefill

how to print the perfect Marvin with bronzeFill
https://www.3dhubs.com/talk/thread/bronzefill-marvin-0

Best Practices sur Talk

Best Practices on Talk



BACK TO TALK

ColorFabb Talk

search

3dhubs.com/talk/colorfabb

POPULAR NEW MY TAGS

START A NEW /COLORFABB THREAD

6

Ultimaker Sample Issues: Nut & Bolt

Ok, so something that earlier I got to work without any problem, suddenly I can't get done. I'm trying to print a smooth Nut & Bolt print on my Ultimaker 2 for a customer and these are my

Filemon 3 days ago 10 comments (1 new) /ColorFabb /Ultimaker 2

4

3D Hubs NY ColorFabb Workshop

Hi Hubs, We'd like to invite you to a "3D Hubs Filament Workshop" in New York, organized in collaboration with Colorfabb. During the event we'll be showcasing the new Colorfabb XT-CF20

Nikki 7 days ago 3 comments

/Boston /ColorFabb /Event /Filament /Hartford /New York /Philadelphia /Providence /Springfield-MA

ColorFabb Talk

15 followers MV JS

UNFOLLOW /COLORFABB

About ColorFabb

ColorFabb is a Dutch producer of high quality filaments for 3D printing, with special filaments such as their Bronze and Copper fill.

Thanks to our partnership with Colorfabb, our hubs can order Filament at this manufacturer with a discount.