# FDM Pre-processing









#### What is GrabCAD Print

GCP is a 3D slicing program for pre-processing builds on Stratasys FDM equipment.

**Download Grabcad Print** 

Windows only

Make account

https://grabcad.com/print





#### **Material Selection**



F370

ABS - General use ASA - UV resistant PC-ABS - high impact



Fortus 450

ABS - general use prototyping

PC - functional parts and rapid tooling





## Slice Heights Available



F370

0.005" 0.007" 0.010" 0.013"



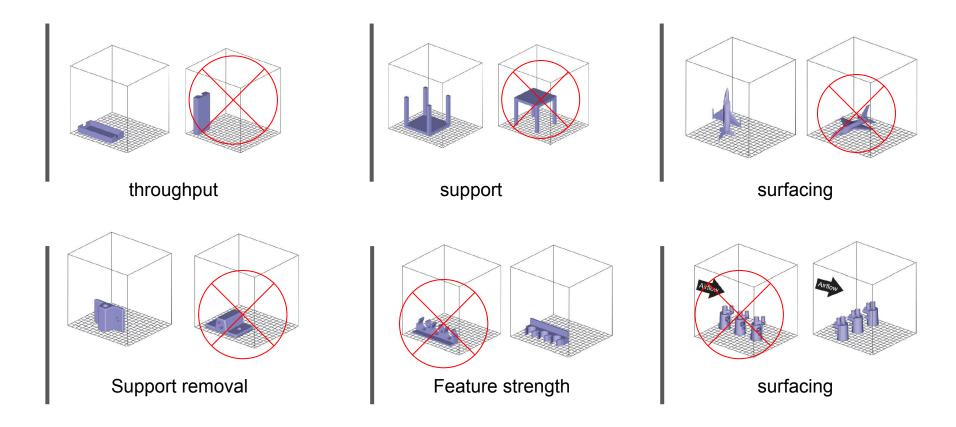
Fortus 450

0.010"





#### **Consider Print Orientation**



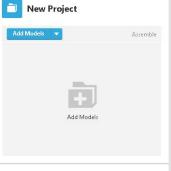


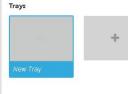




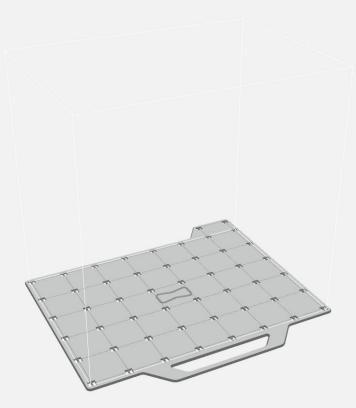
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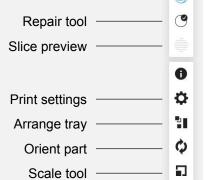








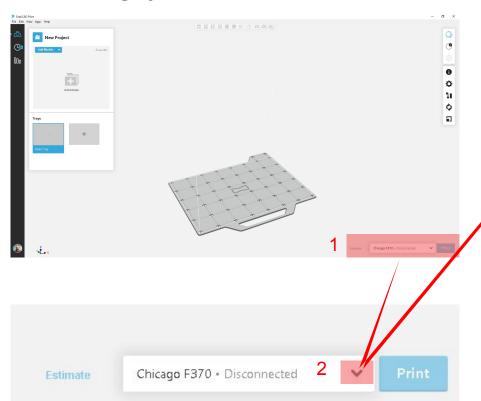


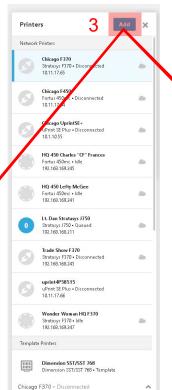


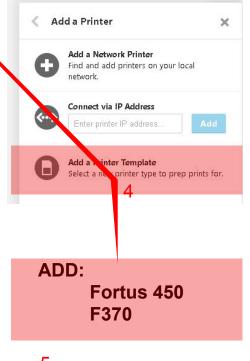




#### Adding your machine



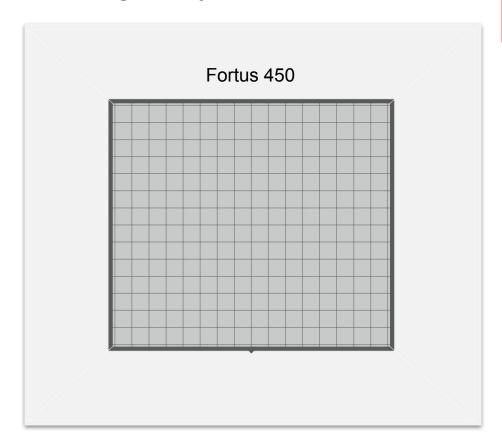






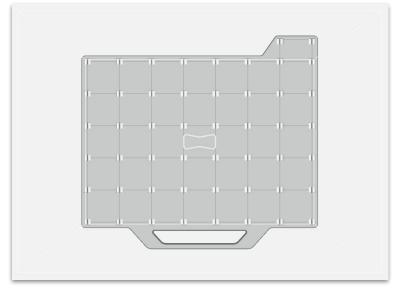


## Setting up your build



If you're printing in ABS use the 370 unless its too small to fit 1 part.

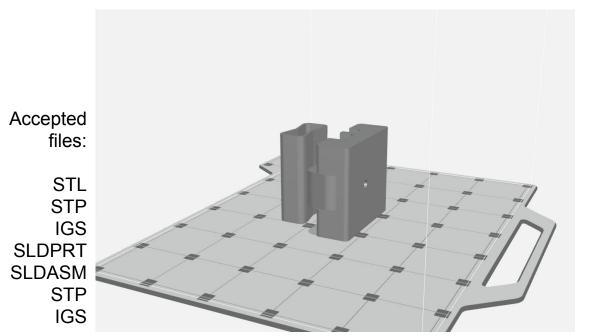
F370







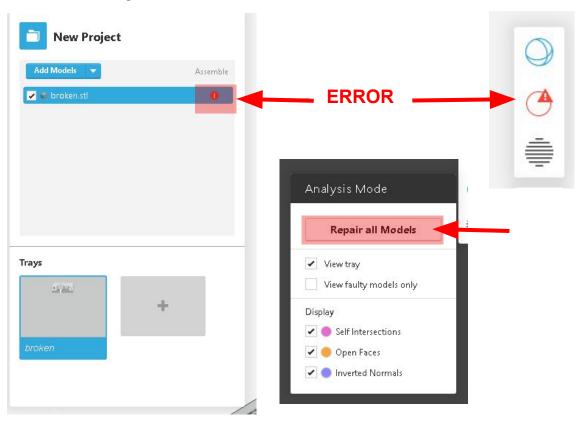
#### Import part

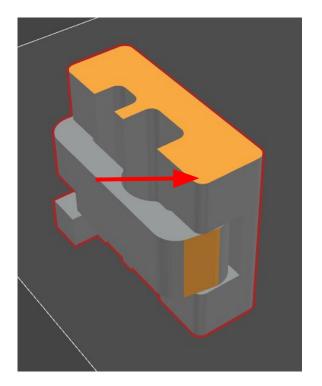




Click add models or just drag and drop

# Repair your part

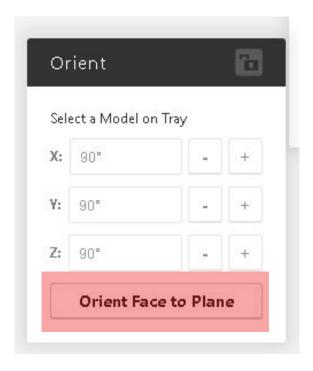


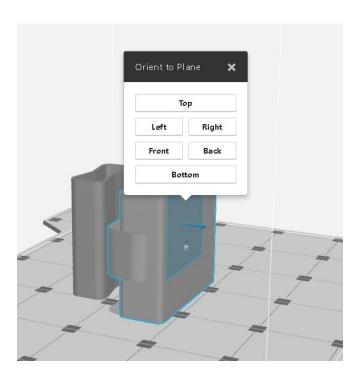






#### Choose orientation



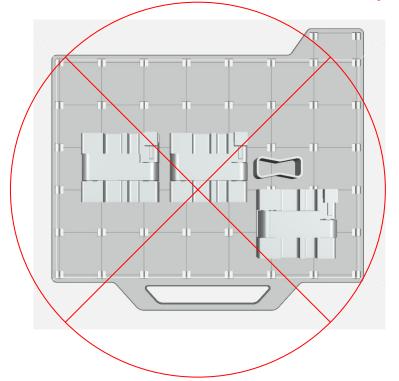


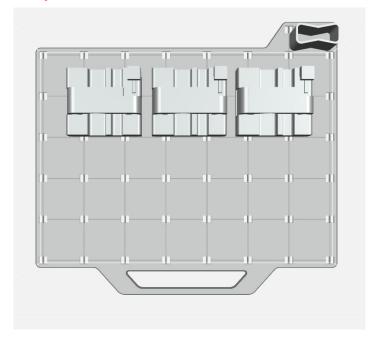




# Arrange your tray

You can print on open places on a tray, so keep your builds tidy

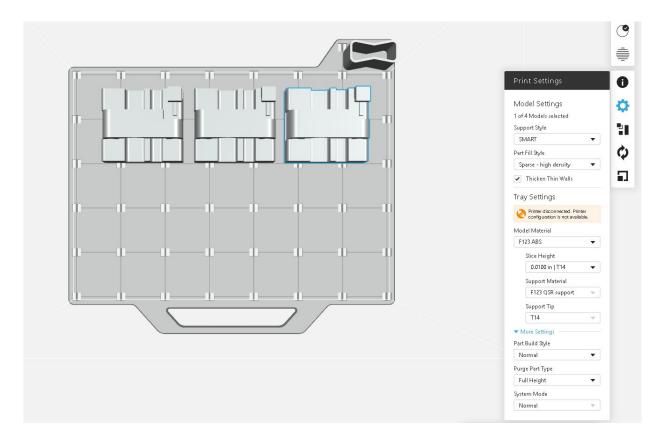








#### Set your build parameters



Each part can have different fill and support style settings.

Select your material

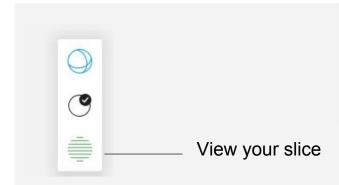
Select your tip (only 0.010" accepted for fortus 450)

Draft mode good for rough form modelling





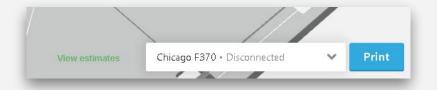
#### **Estimate**





# Record these values then CALCULATE YOUR PRICE CLICK HERE

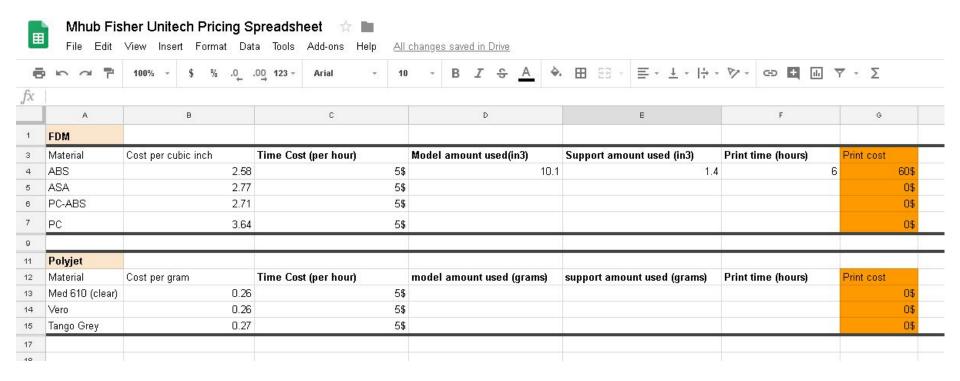
https://files.slack.com/files-pri/T3048T6PN-F9QDBF1RP/download/mhub\_fisher\_unitech\_pricing\_spreadsheet\_\_2\_.xlsx







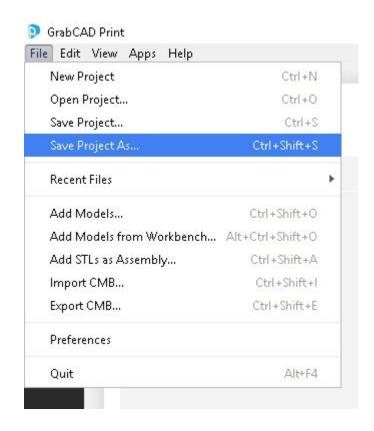
#### Enter in build value get price







### Save .PRINT project



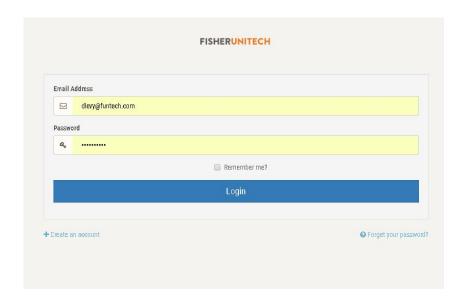
File naming convention

mhub\_printer\_material\_date.PRINT





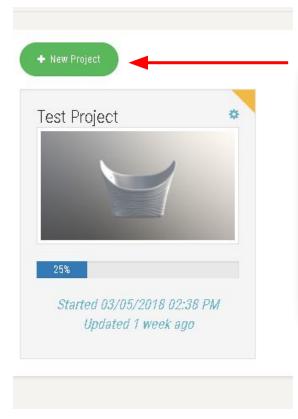
# login



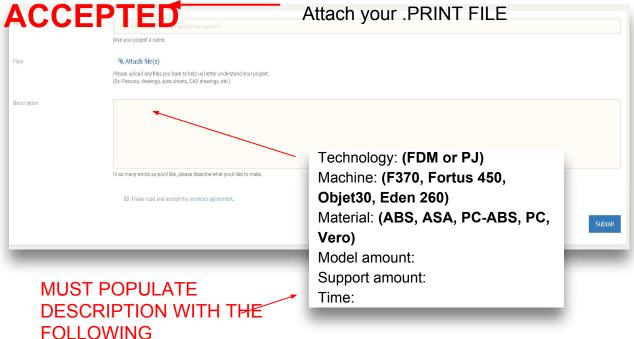




#### New Project



#### **ONLY .PRINT FILES WILL BE**



# BUILD GOES IN QUEUE WHEN PAYMENT RECEIVED

WE WILL AIM TO KEEP THINGS UNDER TWO WEEKS BUT SHIT HAPPENS SOMETIMES. ALL PRINT JOBS WILL BE CONSIDERED "BEST EFFORT" UNLESS NOTIFIED OTHERWISE. FAILED PRINTS WILL BE SUBJECT TO REVIEW.