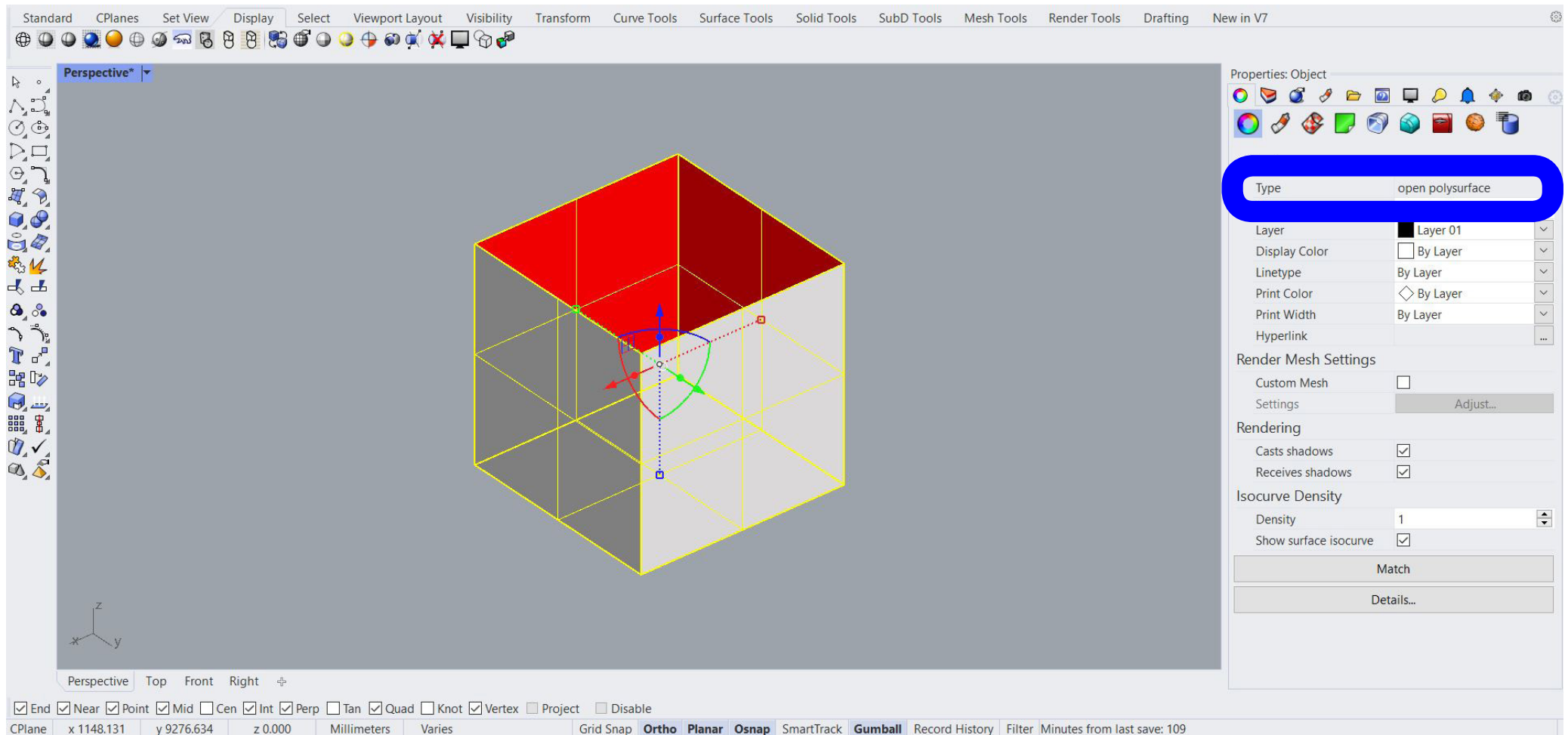


3D print filamentom
FDM (fused deposition modeling)
FAD STU

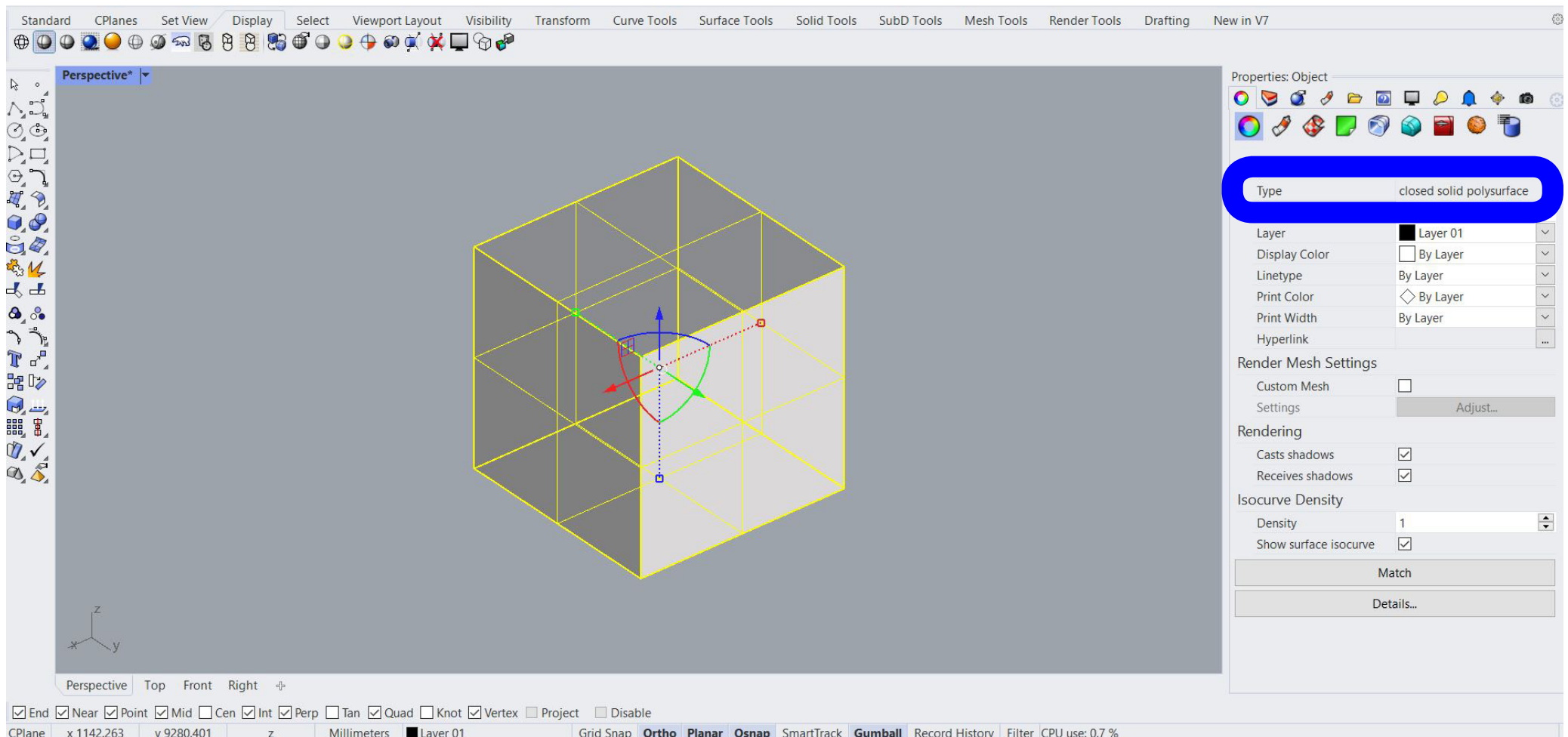
Geometria modelu pre 3D tlač by mala byť pevným (solid) objektom - mala by byť uzavretá
Geometry of the model for 3D printing should be solid - it should be enclosed.



Príklad neuzavretej geometrie, kde cez dieru vidíme do vnútra.

Example of open geometry. We can see inside of the object.

Geometria modelu pre 3D tlač by mala byť pevným (solid) objektom - mala by byť uzavretá
Geometry of the model for 3D printing should be solid - it should be enclosed.

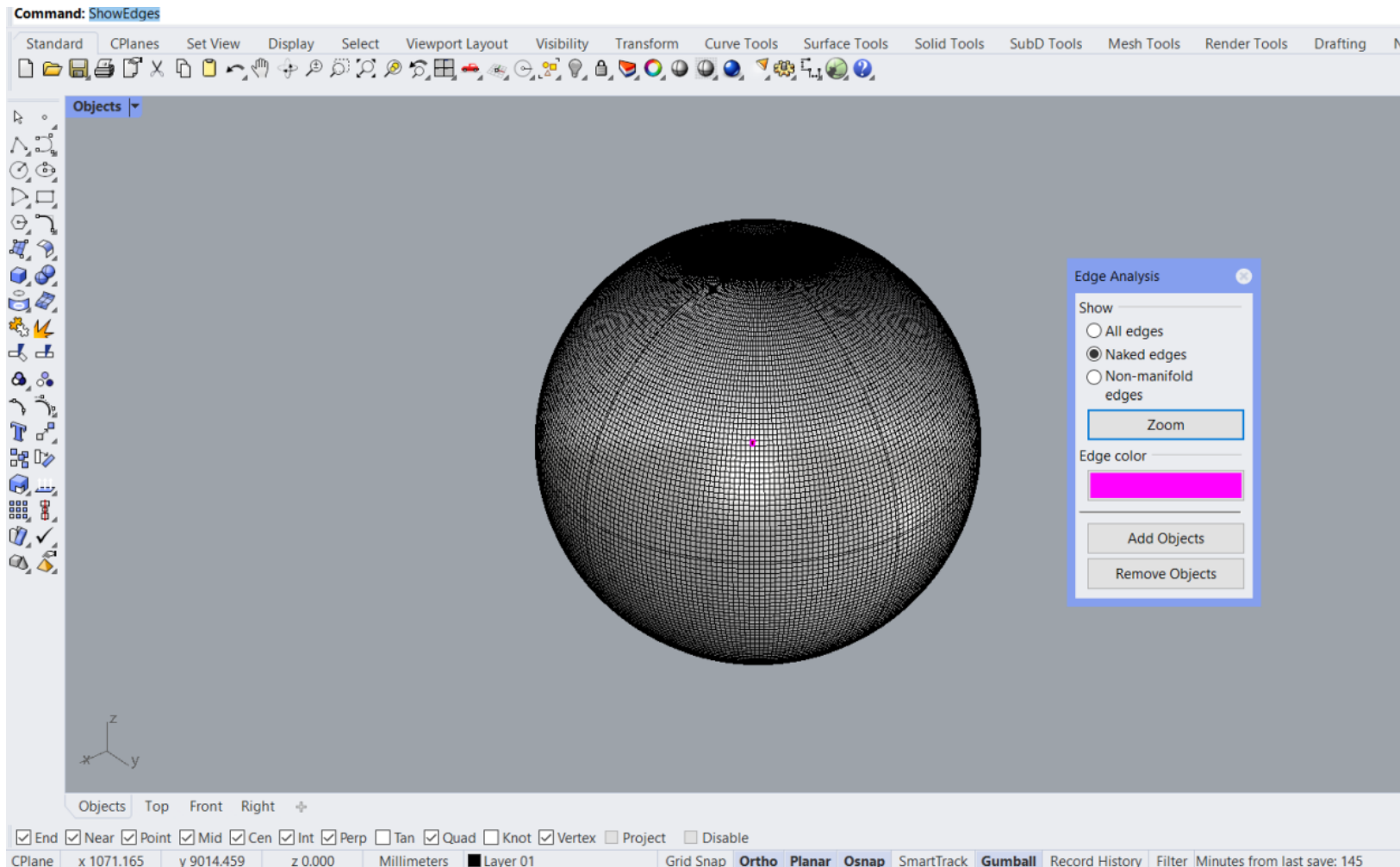


Príklad uzavretej geometrie. Rhinoceros v Properties píše či je geometria uzavretá, alebo otvorená.
Geometrie, ktoré nie sú pevné (solid) a nie je možné ich tlačiť: point, line, curve, surface.

Example of closed geometry. Rhinoceros in the Properties indicates, whether the geometry is open or closed.
Geometries, which are not solid, are not possible to print. .g. point, line, curve, surface

Nájdienie dier v objekte

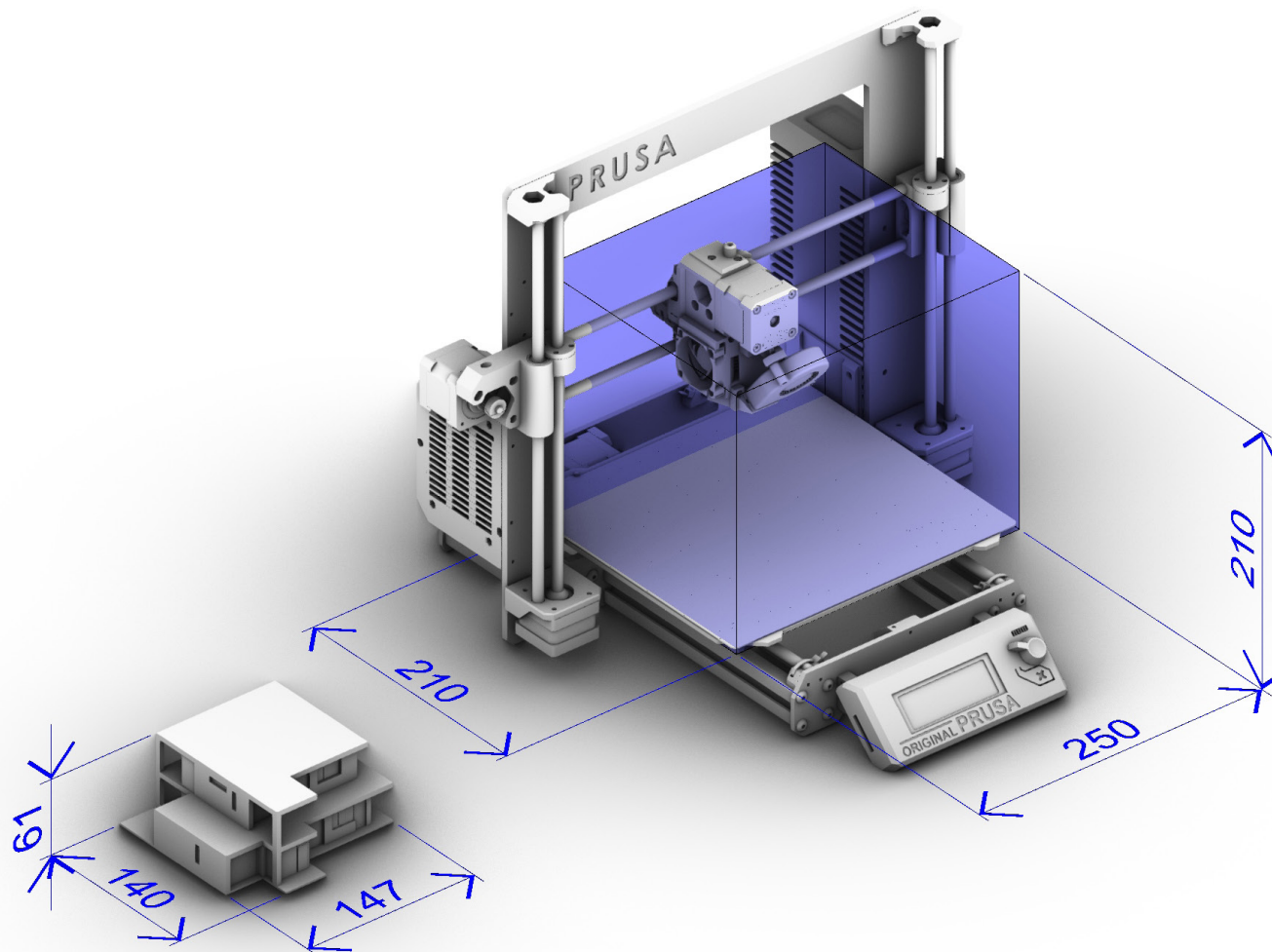
Looking for the holes in the object



Pri obehktoch s veľkým počtom stien, niekedy nevieme nájsť dieru v objekte. Použitím príkazu [ShowEdges](#) sa po výbere objektu a možnosti [Naked edges](#) na ružovo vysvietia hrany okolo diery na objekte.

It is not easy to find holes in the objects with many faces. With the command [ShowEdges](#) after selecting the object and the option [Naked edges](#), the edges around the hole will be highlighted with pink color.

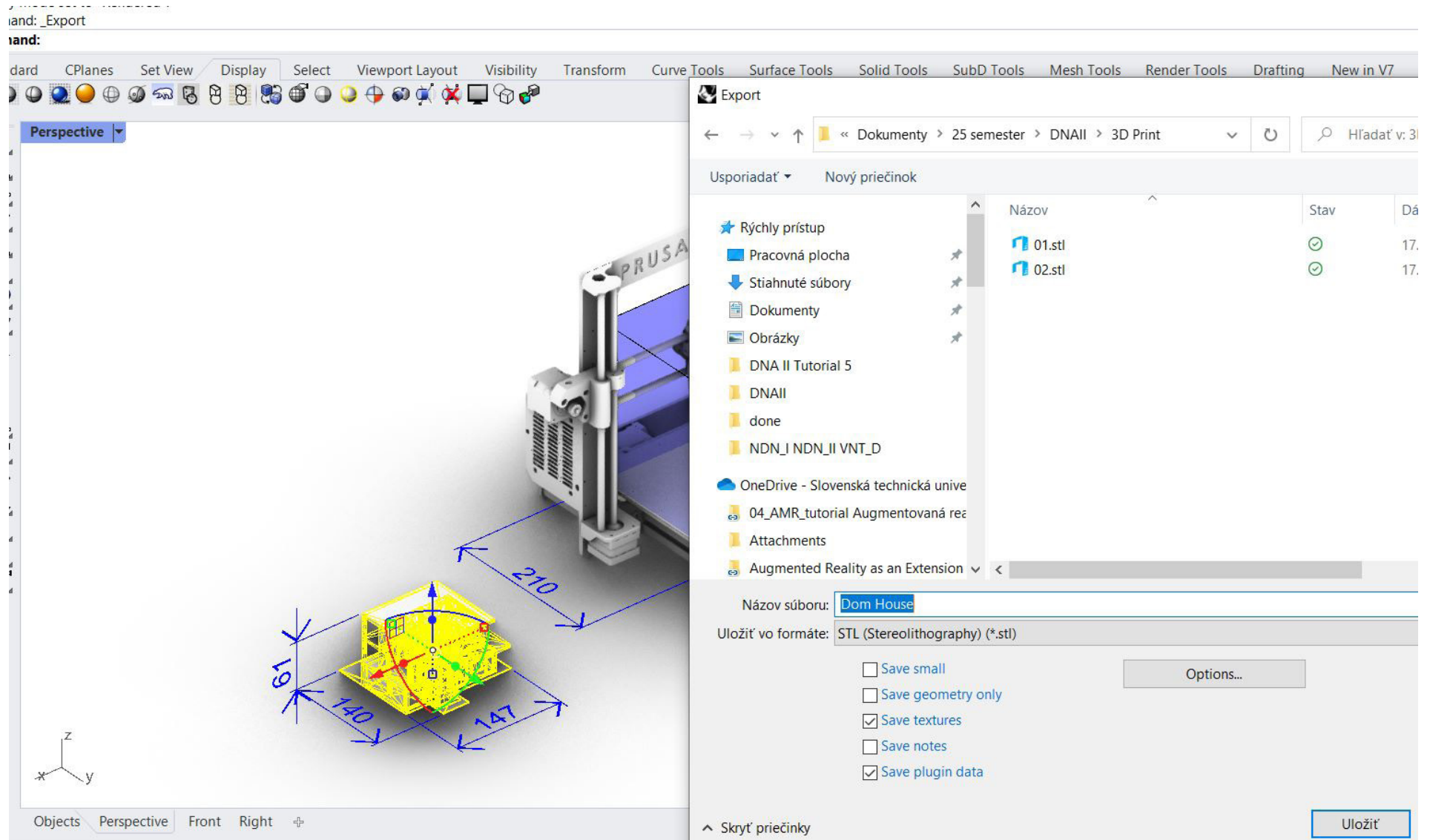
Objekt sa musí vmestiť do tlačiteľného objemu
Object has to fit into the printable volume of the printer



Veľkosť modelu a objemu 3D tlačiarne. Model sa musí vmestiť do daného objemu. Snažte sa neísť príliš k okrajom tlače.
Size of the model and the printable volume of the printer. Model has to fit into the volume. Do not get close to the borders of the printable volume.

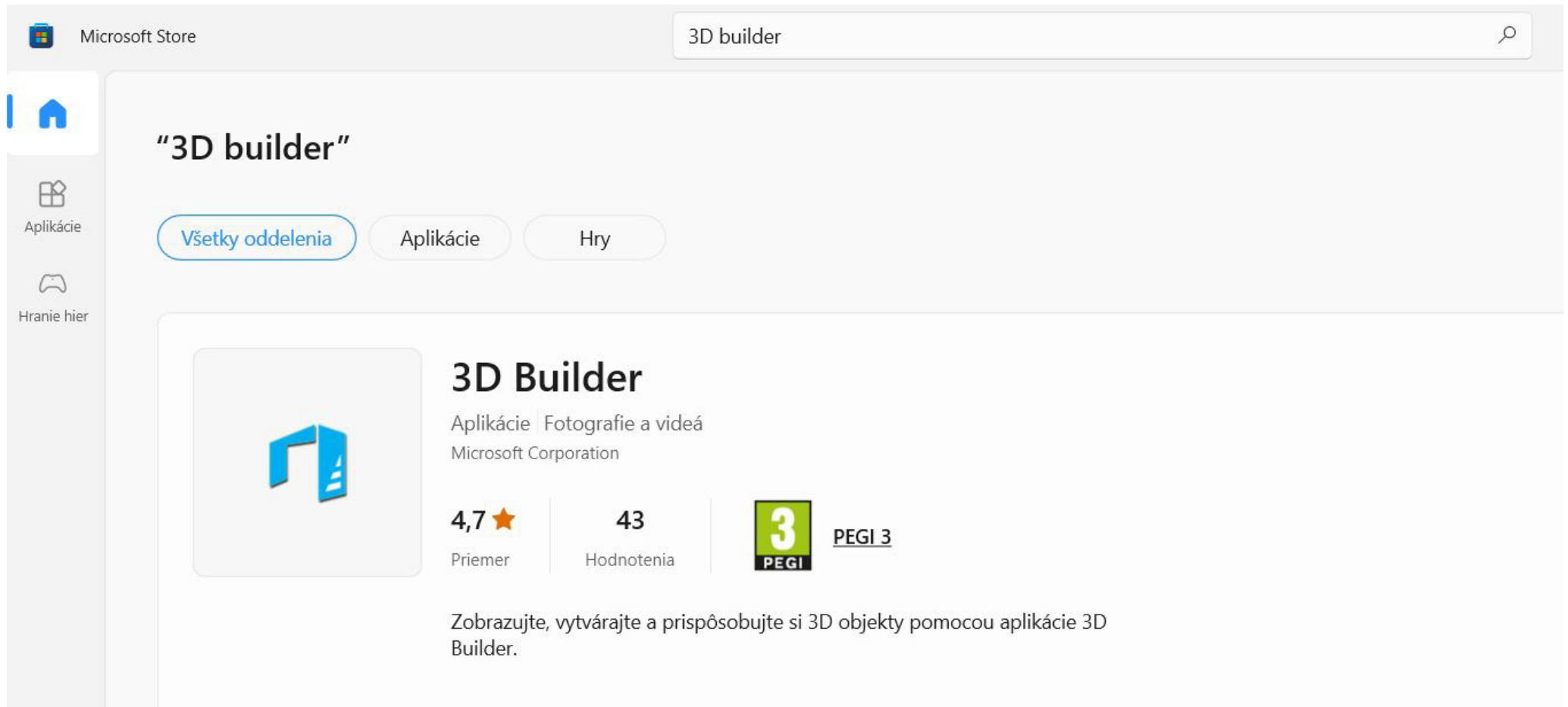
Export modelu do STL formátu

Export of the model to STL format



Oprava modelu v programe 3D Builder

Repairing of the model in the 3D Builder software



Microsoft Store

3D builder

"3D builder"

Všetky oddelenia Aplikácie Hry

3D Builder

Aplikácie Fotografie a videá
Microsoft Corporation

4,7 ★ Priemer
43 Hodnotenia

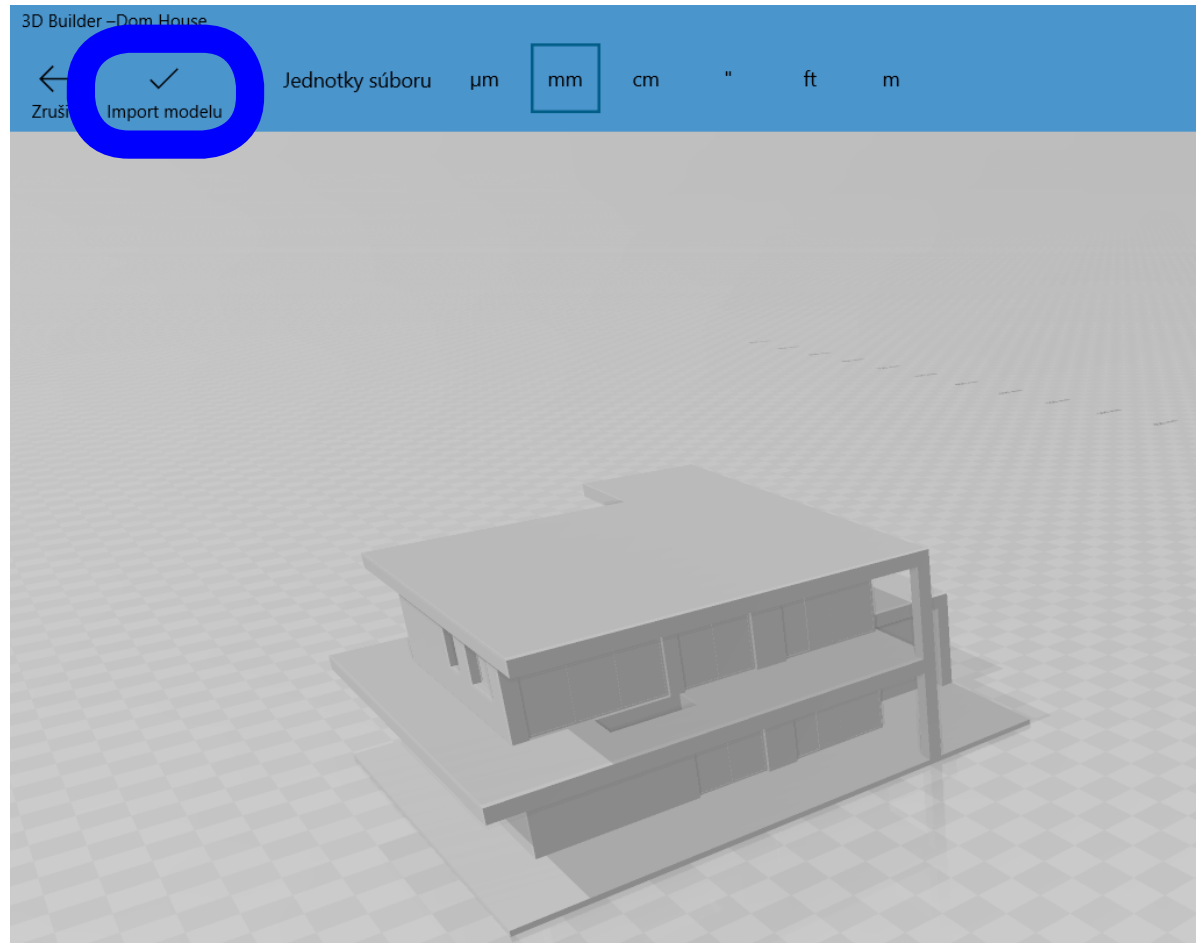
3 PEGI 3

Zobrazujte, vytvárajte a prispôsobujte si 3D objekty pomocou aplikácie 3D Builder.

3D Builder je voľne dostupný softvér pre 3D tlač na MS Store

3D Builder is a free software for 3D printing, available on MS Store

Oprava modelu v programe 3D Builder Repairing of the model in the 3D Builder software

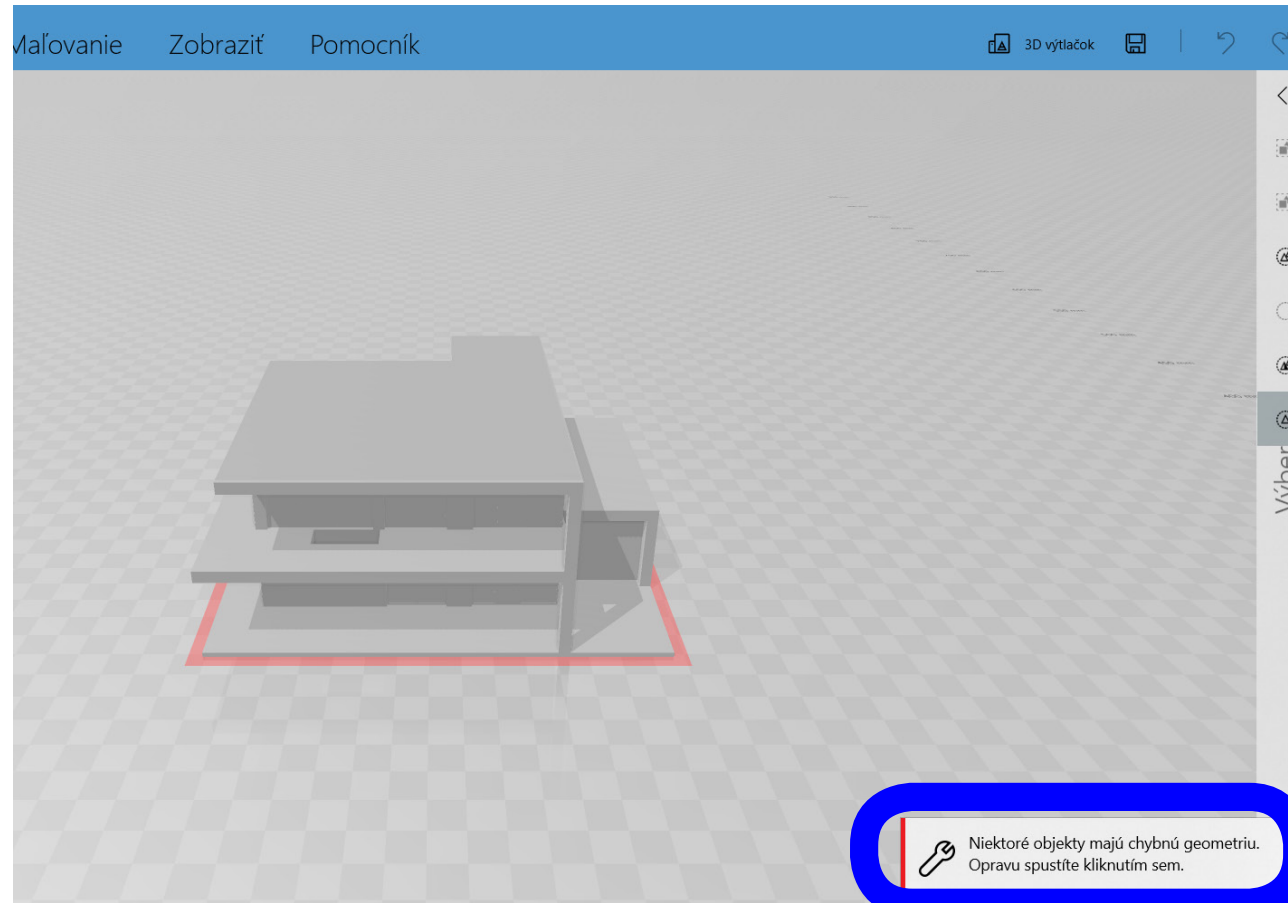


Otvorte exportnuté STL v softvéri 3D Builder a stlačte [Import modelu](#)

Open exported STL in the software 3D Builder and click on [Import of the model](#)

Oprava modelu v programe 3D Builder

Repairing of the model in the 3D Builder software

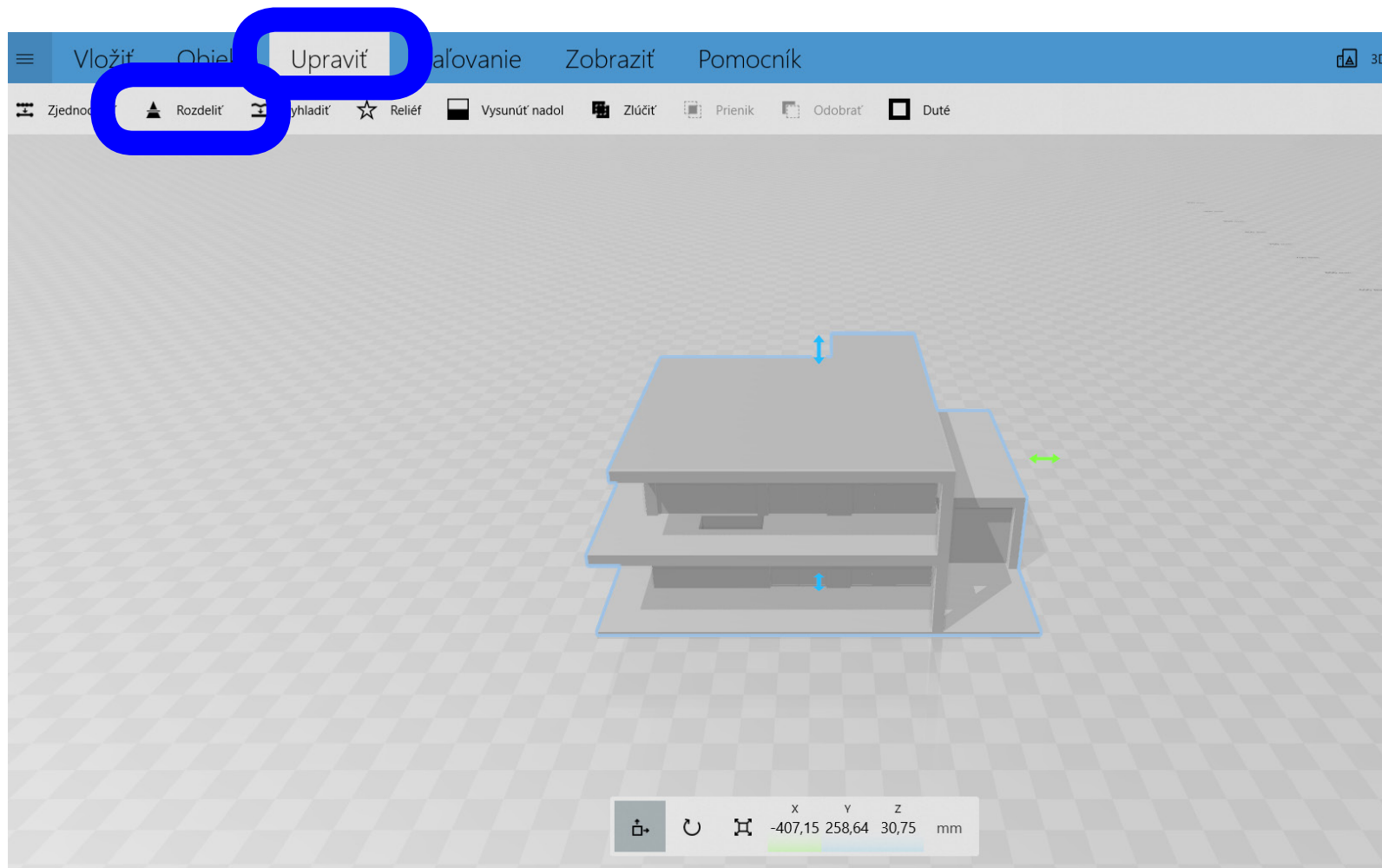


Po importnutí program automaticky nájde problémy modelu a pokúsi sa ich opraviť.

After importing of the model the software automatically finds problems of the geometry and repairs them.

Oprava modelu v programe 3D Builder

Repairing of the model in the 3D Builder software

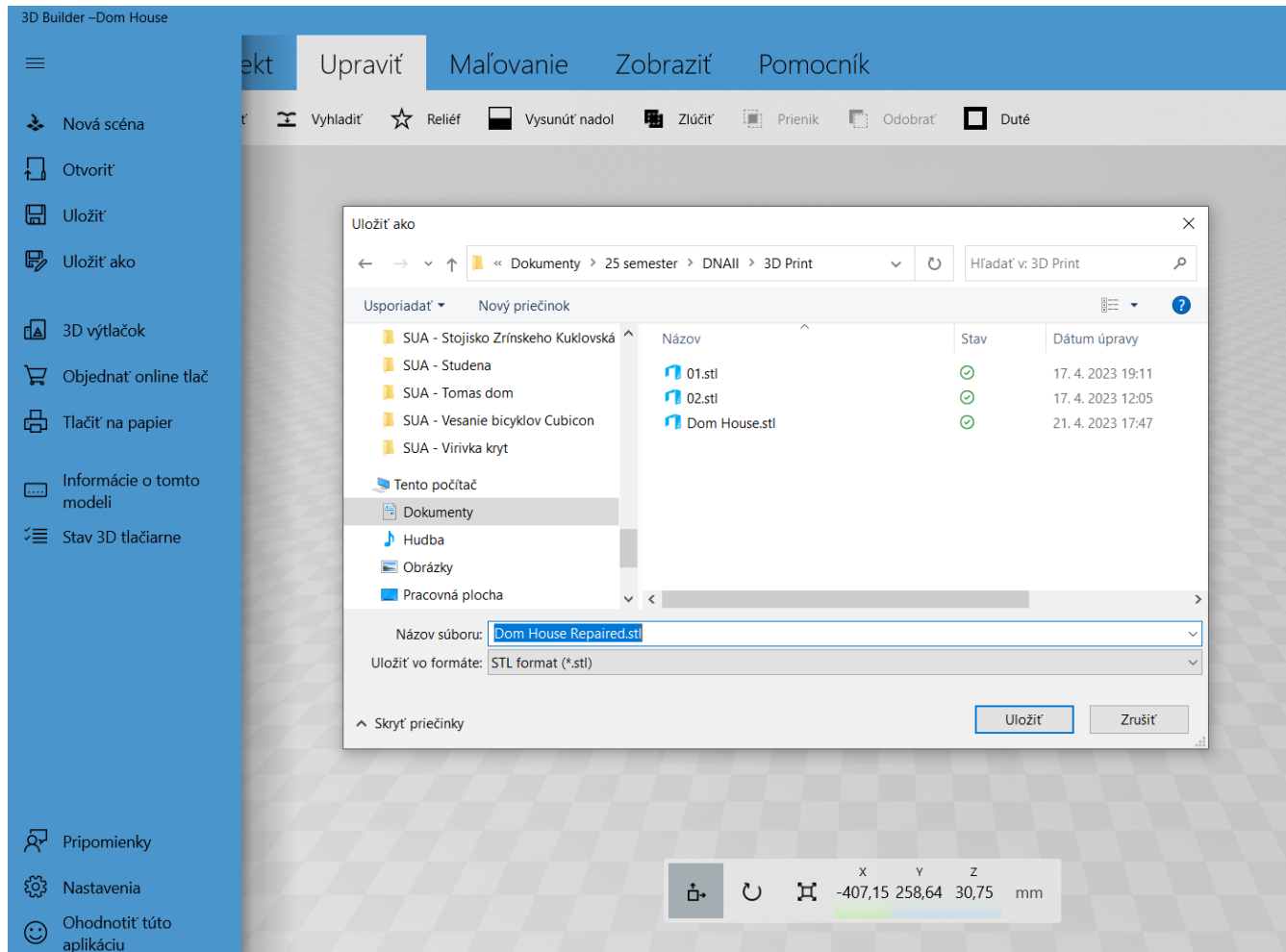


3D Builder umožňuje aj jednoduché úpravy modelu ako jeho rozdelenie, alebo mierku.

3D Builder allows simple editing as its splitting or scaling.

Oprava modelu v programe 3D Builder

Repairing of the model in the 3D Builder software

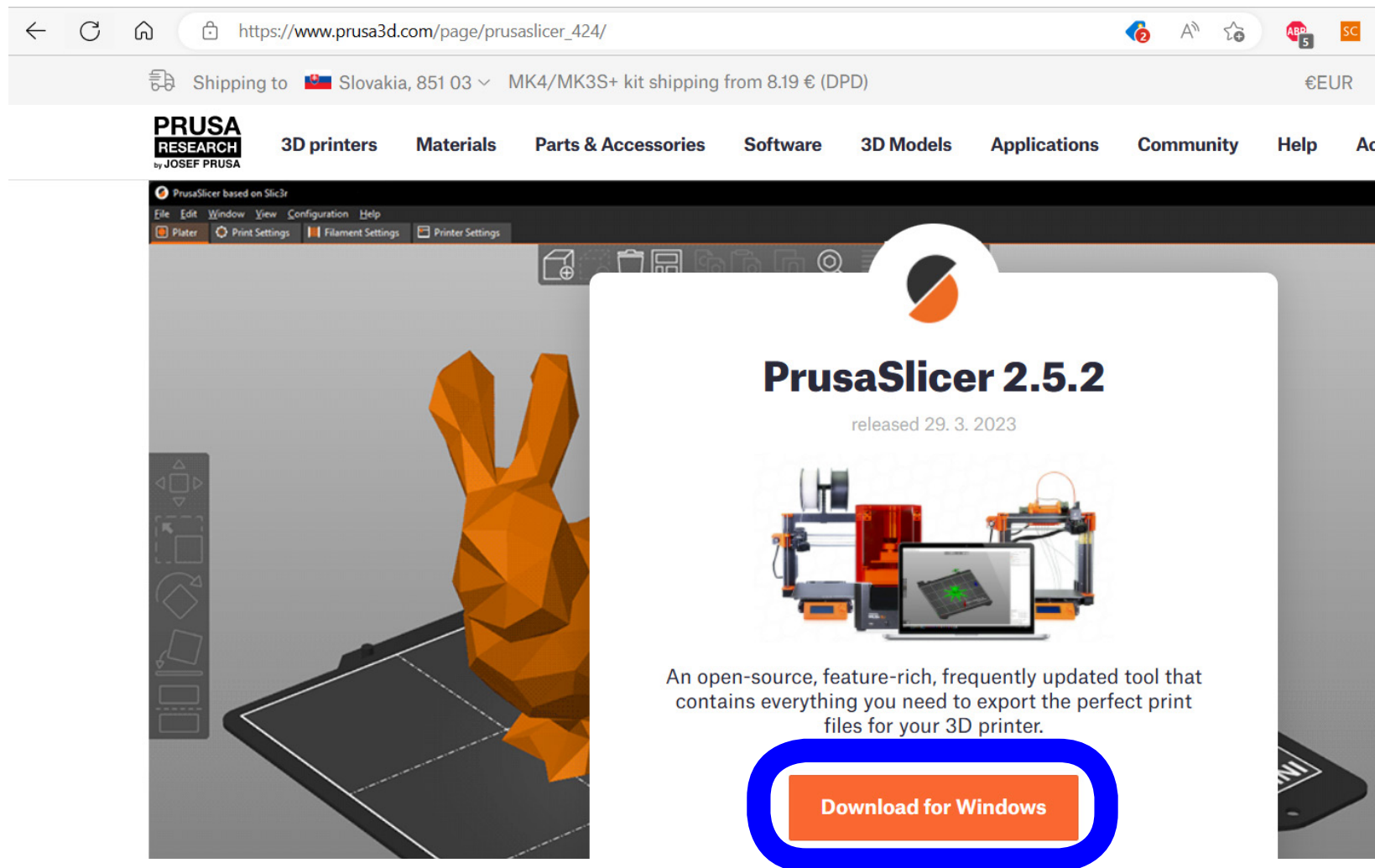


Po oprave a úpravách uložte súbor ako STL

After repairing and editing save the file as STL

Export súboru pre 3D tlač v Prusa Slicer

Export of the file for 3D printing in the Prusa Slicer



Shipping to Slovakia, 851 03 MK4/MK3S+ kit shipping from 8.19 € (DPD) €EUR

PRUSA
RESEARCH
by JOSEF PRUSA

3D printers Materials Parts & Accessories Software 3D Models Applications Community Help Ac

PrusaSlicer based on Slic3r

File Edit Window View Configuration Help

Printer Print Settings Filament Settings Printer Settings

PrusaSlicer 2.5.2
released 29. 3. 2023

An open-source, feature-rich, frequently updated tool that contains everything you need to export the perfect print files for your 3D printer.

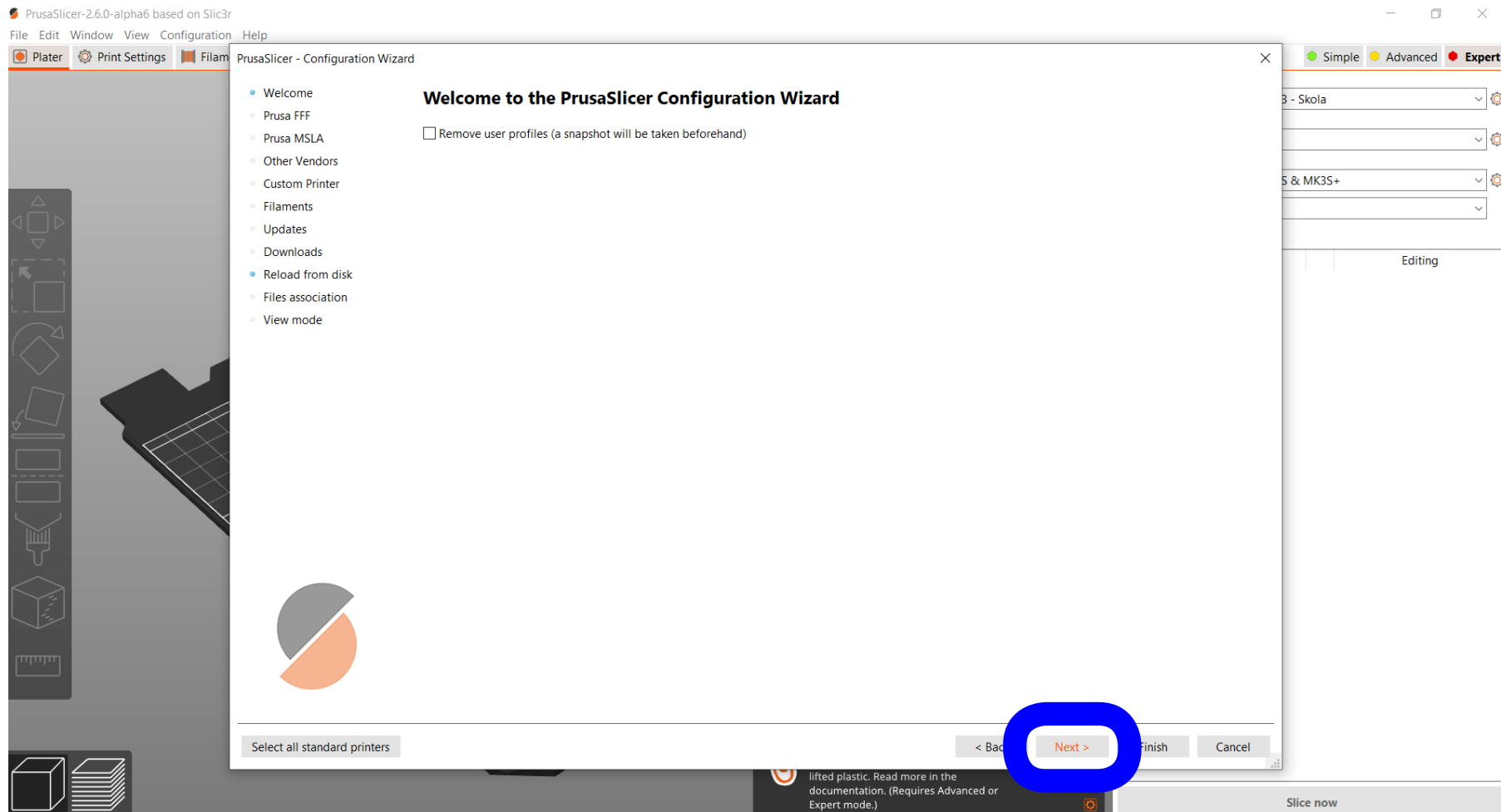
Download for Windows

Stiahnite si program Prusa Slicer z https://www.prusa3d.com/page/prusaslicer_424/

Download software Prusa Slicer from https://www.prusa3d.com/page/prusaslicer_424/

Export súboru pre 3D tlač v Prusa Slicer

Export of the file for 3D printing in the Prusa Slicer



Po prvom otvorení programu vás uvíta Configuration Wizard
After first opening of the software the Configuration Wizard awaits you.

Export súboru pre 3D tlač v Prusa Slicer

Export of the file for 3D printing in the Prusa Slicer


PrusaSlicer - Configuration Wizard

- Welcome
- Prusa FFF
- Prusa MSLA
- Other Vendors
- Custom Printer
- Filaments
- Updates
- Downloads
- Reload from disk
- Files association
- View mode


Alternate nozzles:
 0.25 mm nozzle
 0.6 mm nozzle
 0.8 mm nozzle

MK3 Family


All standard All None




Original Prusa i3 MK3S & MK3S+
 0.4 mm nozzle
 0.25 mm nozzle
 0.6 mm nozzle
 0.8 mm nozzle



Original Prusa i3 MK3
 0.4 mm nozzle
Alternate nozzles:
 0.25 mm nozzle
 0.6 mm nozzle
 0.8 mm nozzle



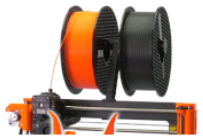
Original Prusa i3 MK3S & MK3S+ MMU2S
 0.4 mm nozzle
Alternate nozzles:
 0.25 mm nozzle
 0.6 mm nozzle
 0.8 mm nozzle

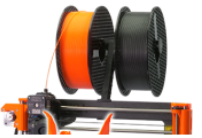



Original Prusa i3 MK3 MMU2
 0.4 mm nozzle
Alternate nozzles:
 0.25 mm nozzle
 0.6 mm nozzle
 0.8 mm nozzle


MK2.5 Family

All standard All None









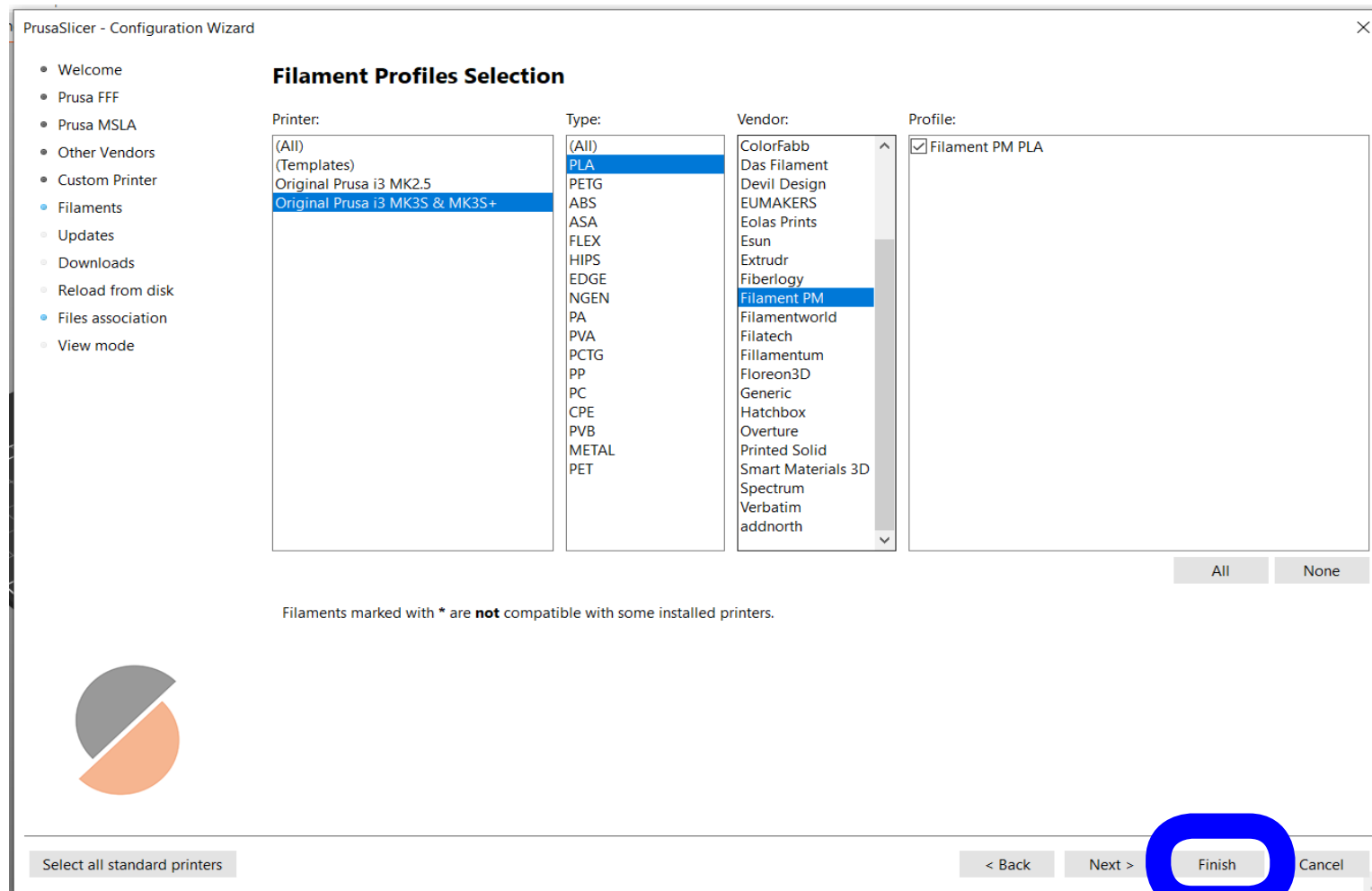
Select all standard printers

< Back **Next >** Finish Cancel

Vyberte správnu tlačiareň
Choose the correct printer

Export súboru pre 3D tlač v Prusa Slicer

Export of the file for 3D printing in the Prusa Slicer

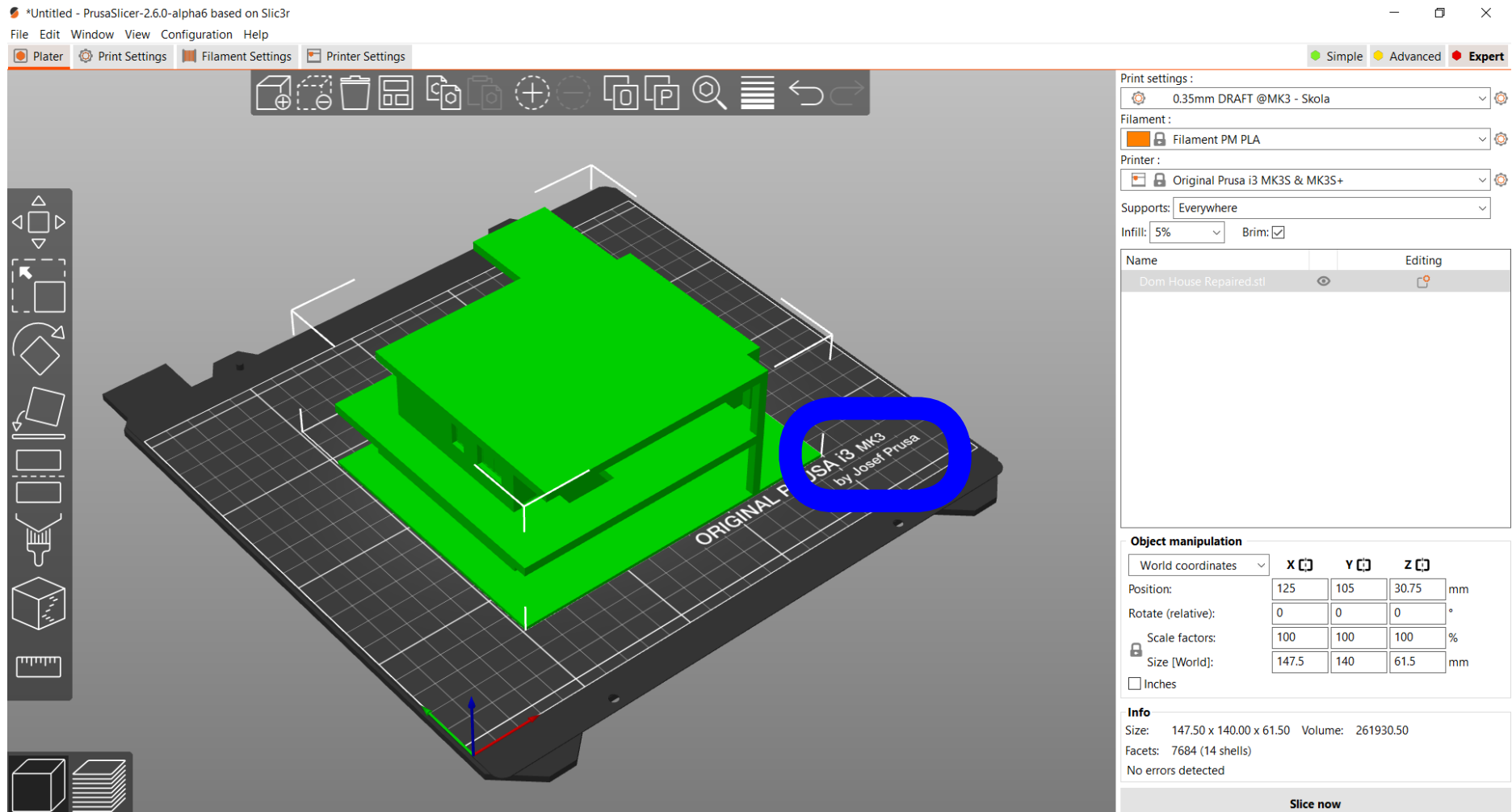


Vyberte správny filament. Odporúčam kúpiť Filament PLA od Plasty Mladeč (Filament PM)

Choose the correct filament. I recommend to buy and use Filament PLA from Plasty Mladeč (Filament PM)

Export súboru pre 3D tlač v Prusa Slicer

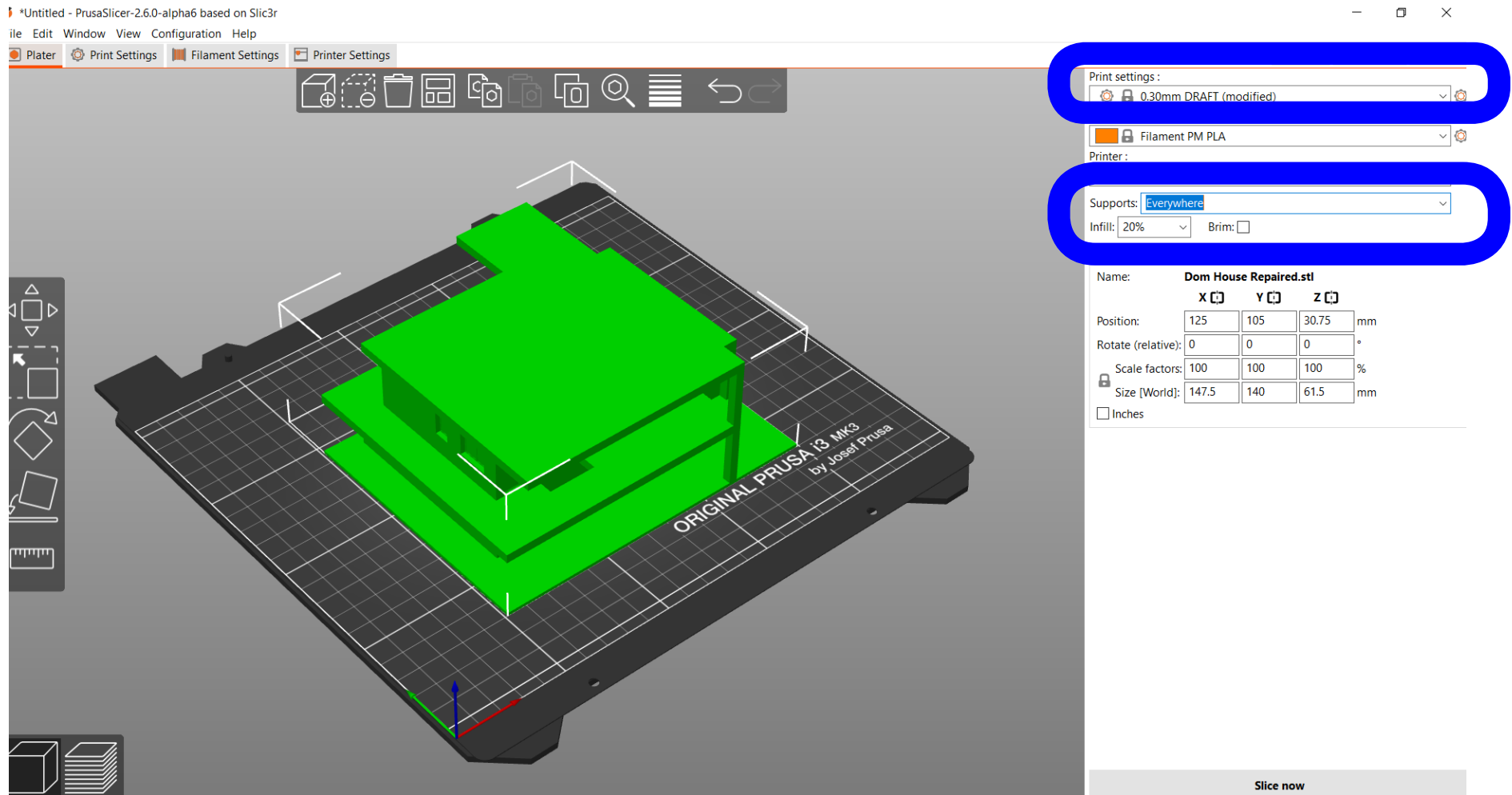
Export of the file for 3D printing in the Prusa Slicer



Po nastavení by ste mali mať správne označenie tlačiteľnej plochy i3 MK3
Importnite opravené STL do Slicera
After configuration you should have displayed the correct printing area i3 MK3
Import repaired STL into Slicer

Export súboru pre 3D tlač v Prusa Slicer

Export of the file for 3D printing in the Prusa Slicer

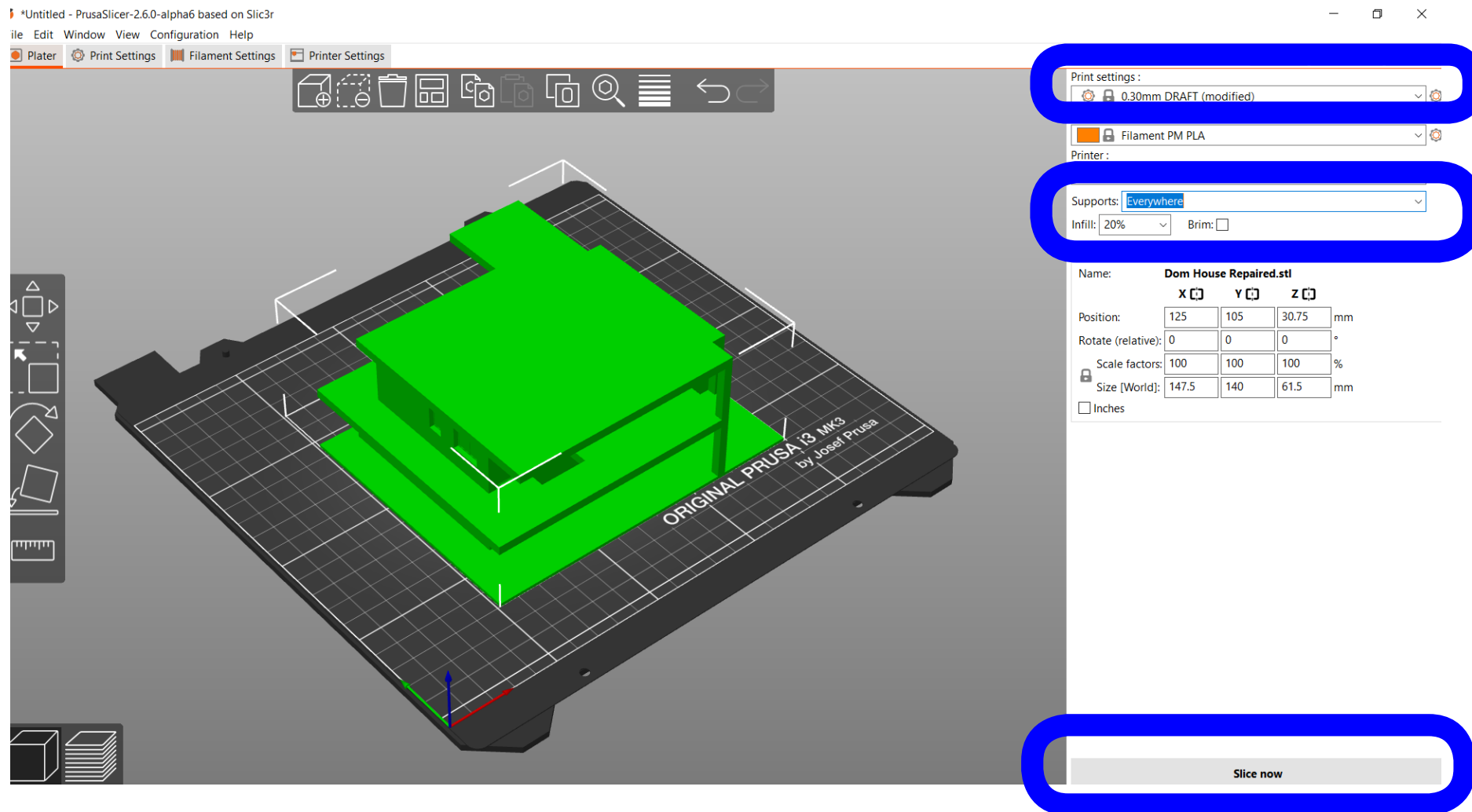


Nastavte Print settings - väčšinou úplne postačuje DRAFT. Ovplyvňuje to čas tlače. Kvalitnejšie tlačí dlhšie. Zapnite Supports: Everywhere.

Set the Printer settings - usually DRAFT is enough. This settings impacts the time of the printing. More quality means more time. Turn on Supports: Everywhere.

Export súboru pre 3D tlač v Prusa Slicer

Export of the file for 3D printing in the Prusa Slicer

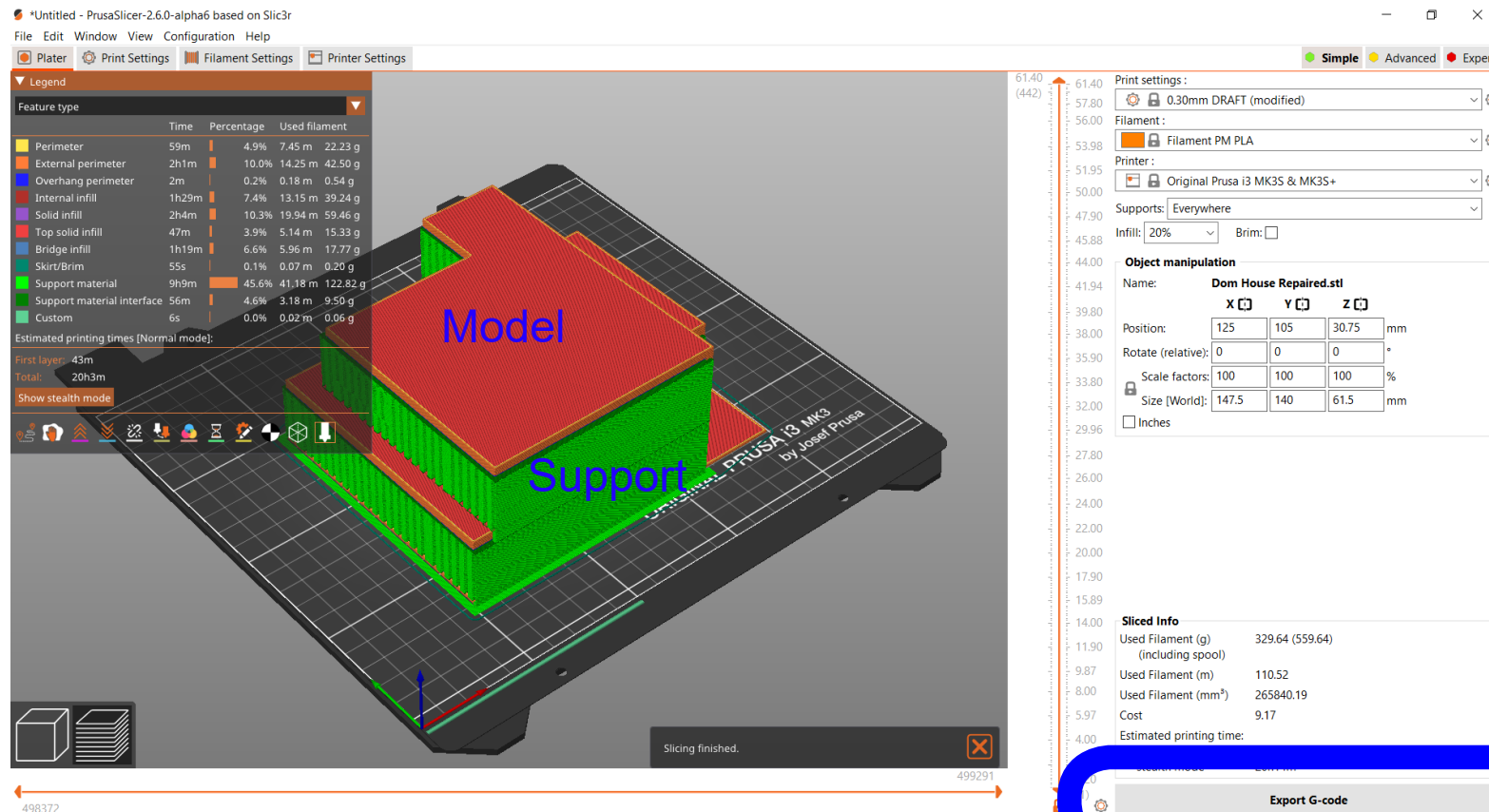


Nastavte Infill - vnútornú výplň. Viac percent znamená pevnejší model ale dlhšia doba tlače. Väčšinou 5% stačí. Potom kliknite na Slice now.

Set the Infill of the model. This settings impacts the time of the printing. More percent means less fragile model but more time of the printing. Usually 5% is enough. Then click on Slice now.

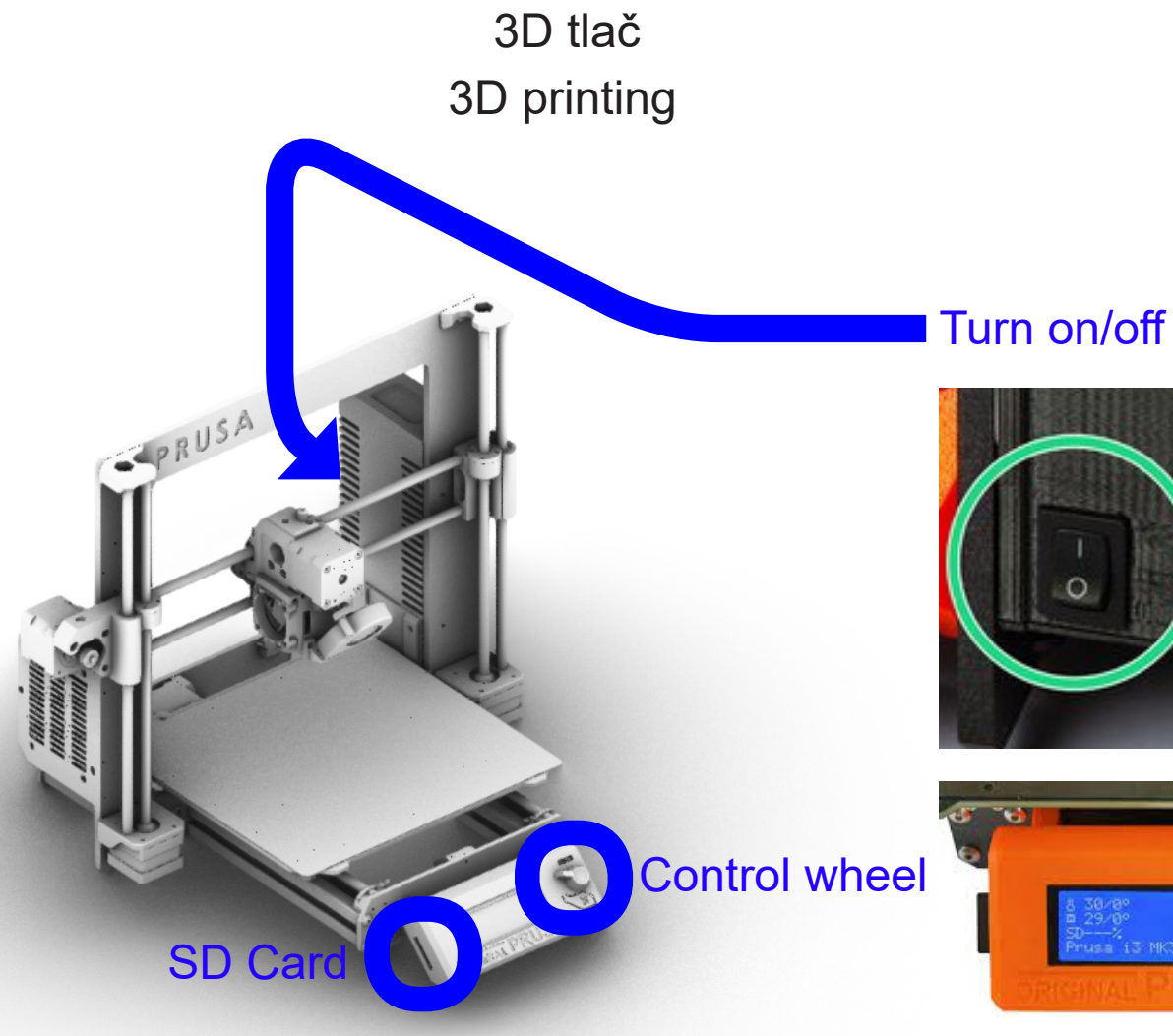
Export súboru pre 3D tlač v Prusa Slicer

Export of the file for 3D printing in the Prusa Slicer



Vizualizácia tlačenia. Slicer informuje o dobe tlače. Na obrázku je prí dlhá doba tlače. Odporúčam tlačiť časti na 4-5 hodín. Dlhší čas znamená väčšia pravdepodobnosť chýb a nedokončenia tlače. Po vygenerovaní Export G-code.

Visualisation of the printing. Slicer informs about time of the printing. On the image there is too long time of the printing. Recommendation is to print the parts only for 4-5 hours. Longer time means bigger probability of the errors and not ending the printing correctly.



Exportnutý G-Code nakopírujte na SD kartu v tlačiarni. Stlačte ovládacie koliesko tlačiarnie a jeho točením vyberte možnosť Print from SD. Točením vyberte váš G-Code a tlačte.

Exported G-Code copy to SD card in the printer. Press control wheel on the printer and its rotation choose the option Print from SD. By next rotation choose your G-Code and print.