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1. Úvod



KROK 1 Úvod



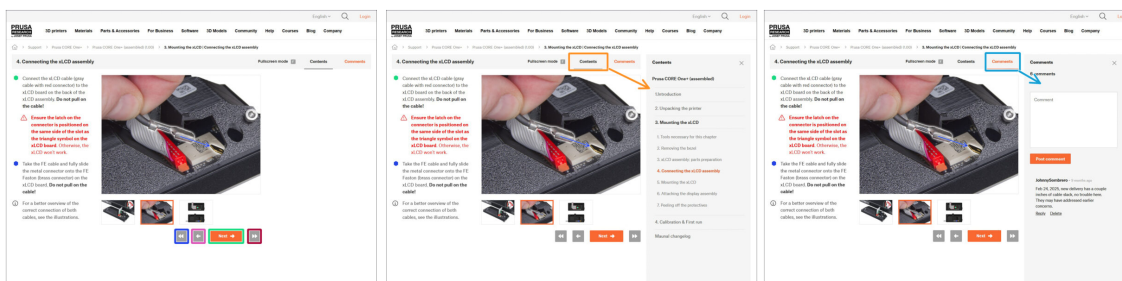
🛡️ Vítejte v návodu pro vybalení, kalibraci a nastavení vaší tiskárny **Prusa CORE One+**. Postupujte podle následujících kroků, aby byla tiskárna připravena k prvnímu tisku.

📄 Přestože se tiskárna Prusa CORE One+ dodává již smontovaná, je nutné před tiskem nainstalovat LCD displej, který se kvůli ochraně při přepravě sundává.

⚠️ **Do not install the LCD at this moment; wait for the appropriate instructions later in the guide.**

📌 We recommend keeping all the packaging material in case you decide to send the printer for service.

KROK 2 How to navigate through the manual



🛡️ Use the graphical navigation buttons in the bottom right corner or the arrow keys on your keyboard:

➡️ **Next button / Right arrow key** - Moves to the next image, or to the next step if it's the last image in the step.

⬅️ **Left arrow button / Left arrow key** - Moves to the previous image, or to the previous step if it's the first image in the step.

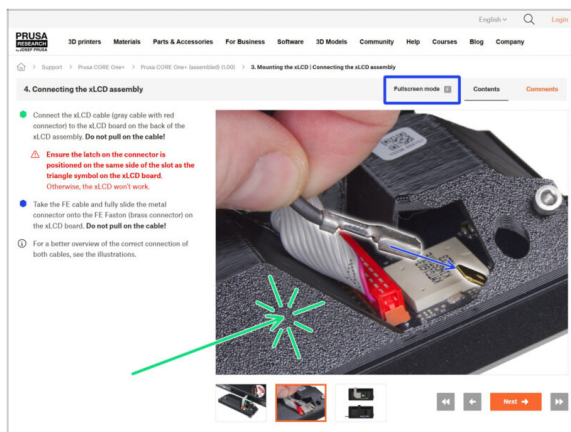
⬆️ **Play backward button / Up arrow key** - Moves to the previous step.

➡️ **Play forward (Next) button / Down arrow key** - Moves to the next step.

📄 Click on **Contents** to expand the full list of steps in this guide. This allows you to jump to any step regardless of the sequence.

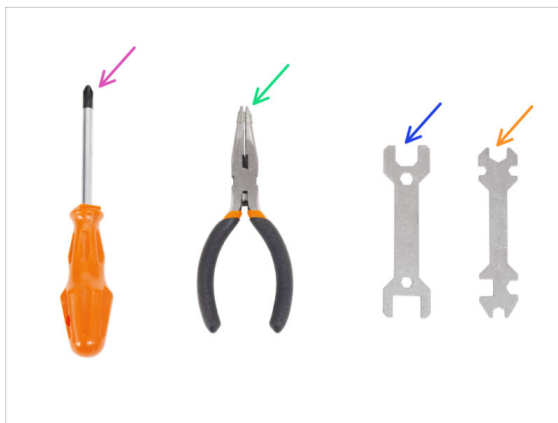
💬 Click on **Comments** to open the discussion for a specific step and leave your feedback.

KROK 3 View high resolution images



- When you browse the guide on help.prusa3d.com, you can view the original images in high resolution for clarity.
- Just click on the image to open it in high resolution for a detailed view.
- Click on **Fullscreen mode** or press the F key to maximize your screen space and focus entirely on the instructions.

KROK 4 Tools included in the package



- Balení Prusa CORE One+ obsahuje všechny nástroje pro provoz a údržbu tiskárny:
 - Phillips (PH2) screwdriver (1x)
 - Čelistové kleště (1x)
 - Wrench size 13 mm (1x)
 - Univerzální klíč (1x)
 - Sada inbusových klíčů 1,5 mm - 3,0 mm
 - Sada klíčů Torx T6 - T10
- You will come across the tool pack during unpacking the printer, we will let you know.
- i For this guide, you will only need the 2.5 mm Allen key.

KROK 5 Kontrolní list Prusa



- If you're unsure whether you're using the correct screw type or size, our cheatsheet will help you. Print it at a 1:1 scale and place the fastener on the corresponding drawing to compare its type and size.

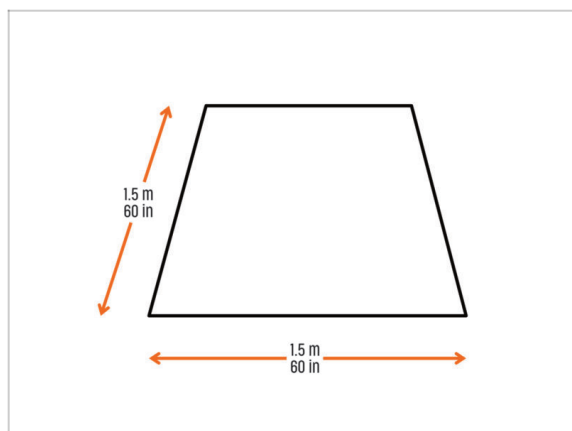


You can download the cheatsheet on prusa.io/core-one-cheatsheet.



This guide doesn't involve screws or nuts, but this option may be useful for future maintenance.

KROK 6 Let's get everything set up!



CAUTION: The package is heavy—handle it with care!

- Make sure you have enough space to prepare the printer. **A clean space is essential.**
- A minimum of 1.5 x 1.5 meters (60 x 60 inches) is recommended.
- Bring your family, friends, or pets—this will be engaging!
- Continue to the next chapter: **2. Unpacking the printer.**

2. Unpacking the printer



KROK 1 Preparing the package

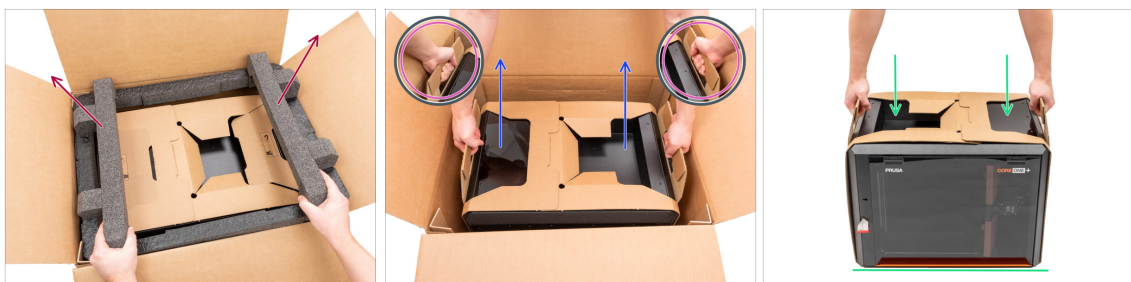


 **CAUTION: The package is heavy—handle it with care!**

 Přesná podoba pěnových vložek a způsob upevnění obalových materiálů se může lišit od obrázků v návodu.

- Otevřete balík. V horní vrstvě najdete:
 -  Print sheet
 -  USB drive
 -  Power cord
 -  Anti-vibration bars
- Vyjměte tyto položky z obalu a uložte je na bezpečné místo pro pozdější použití.
-  Remove the cardboard protection layer.
-  Take out the Prusament cardboard box and set it aside.

KROK 2 Removing the box



-  Remove top foam fixation.
-  Všimněte si dvou výřezů v horní straně kartonové vrstvy obalu tiskárny (uvnitř krabice). Toto jsou madla pro vyjmutí tiskárny - postupujte podle obrázku na nich. Tj. horní část každého výřezu přehněte směrem „dovnitř“ a složené madlo prohněte směrem nahoru.

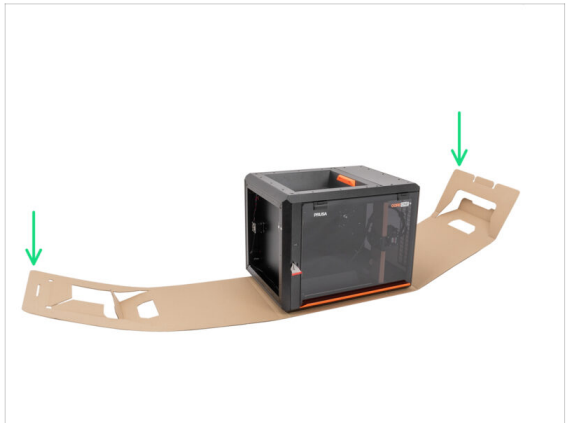
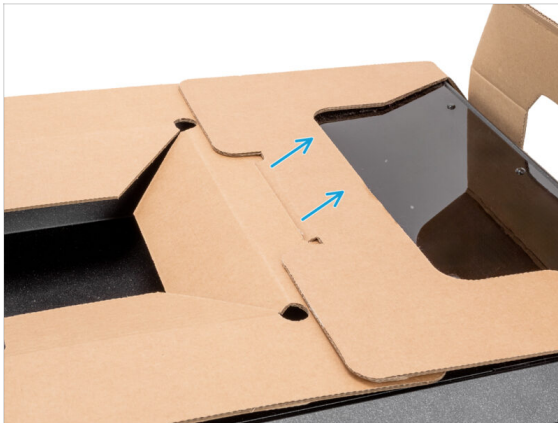
 **VAROVÁNÍ: Tiskárna je těžká - zacházejte s ní opatrně!**

-  Uchopte obě rukojeti a **OPATRNE** vyjměte tiskárnu z krabice.

 Tip: Požádejte někoho, aby přidržel spodní kartonovou krabici, abyste mohli tiskárnu snáze vyjmout.

-  Umístěte tiskárnu na **stabilní a čistý povrch**.

KROK 3 Removing the cardboard layer



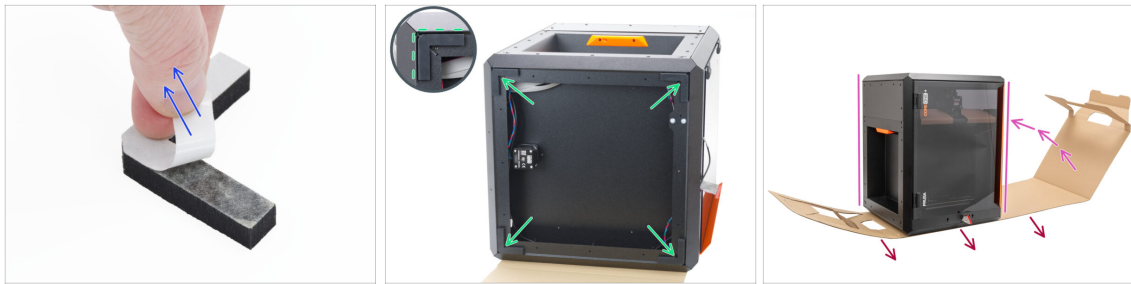
- Detach the two ends of the cardboard protective layer from each other by pulling the upper layer out.
- Odklopte kartonovou ochrannou vrstvu od tiskárny.

KROK 4 Anti-vibration feet: parts preparation



- For the following steps, prepare:
 - Anti-vibration foot (4x)

KROK 5 Sticking the anti-vibration feet



- Peel off the protective film from all anti-vibration feet.
- Do každého rohu rámu nalepte jednu antivibrační nožičku tak, aby byla zarovnaná s vnějším okrajem ploché strany profilu.
- Opatrně otočte tiskárnu do „přirozené polohy“ pomocí oranžové rukojeti na pravé straně.
- Nyní můžete kartonovou vrstvu z tiskárny zcela odstranit.

KROK 6 Removing the inside protections



- Open the door.
- Na ose X najdete dvě kartonové fixace. Mají zářez, kterým fixaci uvolníte.
- Vytáhněte výřez, uvolněte jej a odstraňte upevnění.
- Stejným postupem odstraňte i druhé upevnění.

KROK 7 Preparing the Tool pack

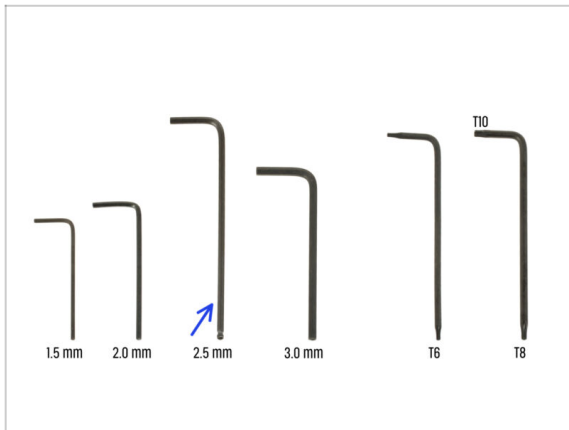


- The tool pack is located on the right side of the printer.
- Vyměňte kartonový balík s nástroji z tiskárny.
- Otevřete balíček nástrojů. **Uvnitř naleznete:**
 - xLCD assembly package
 - Accessories
 - Balíček nářadí - obsah je popsán v první kapitole
- Obsah si nechte stranou pro pozdější použití. Nyní přejdeme k další kapitole: **3. Montáž xLCD**

3. Mounting the xLCD

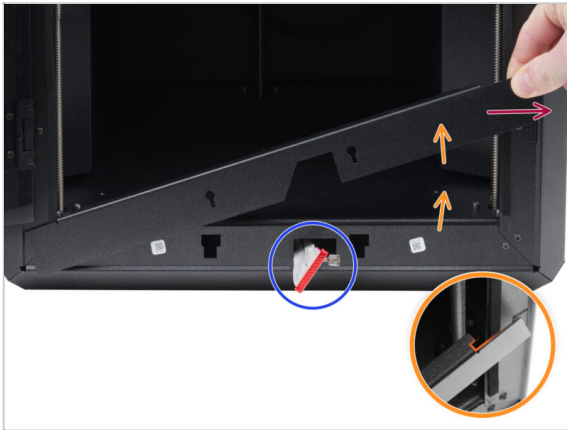


KROK 1 Tools necessary for this chapter



- For this chapter, please prepare:
- 2.5mm Allen key

KROK 2 Removing the bezel



- Open the door fully.
- Lift the right end of the front bezel and unhook it from the printer frame.
- Pull the bezel out of the printer. Do not discard the part.
- ⚠ Proceed carefully to avoid scratching the parts or damaging the door.**
- i** The bezel is attached to the printer with magnets, making it easy to remove.
- Note the cables coming from the printer. We'll address them shortly. **Avoid pushing them into the printer, keep them as they are.**

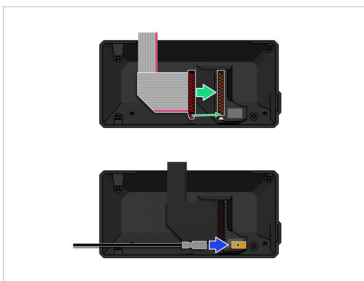
KROK 3 xLCD assembly: parts preparation



● For the following steps, please prepare:

● xLCD assembly (1x)

KROK 4 Connecting the xLCD assembly



● Connect the xLCD cable (gray cable with red connector) to the xLCD board on the back of the xLCD assembly. **Do not pull on the cable!**

⚠ **Ensure the latch on the connector is positioned on the same side of the slot as the triangle symbol on the xLCD board. Otherwise, the xLCD won't work.**

● Take the FE cable and fully slide the metal connector onto the FE Faston (brass connector) on the xLCD board. **Do not pull on the cable!**

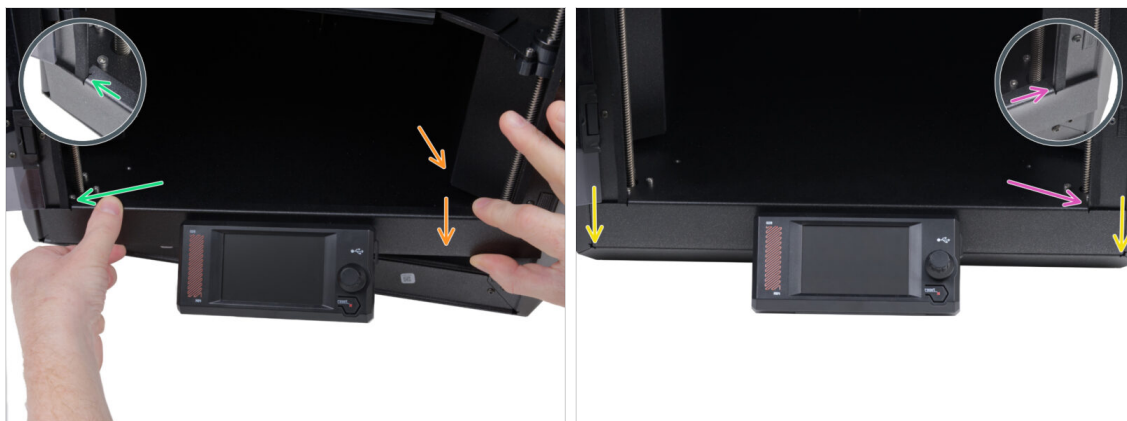
ⓘ For a better overview of the correct connection of both cables, see the illustrations.

KROK 5 Mounting the xLCD



- ✿ Install the bezel onto the screws on the back of the xLCD assembly.
- ✿ **Ensure the magnets face upward.** The bezel has four magnets, but only two are visible in the picture.
- ⬛ **Ensure both screws (M3x6) are not fully tightened,** leaving approximately a 3 mm (1/8 inch) gap between the screw head and the xLCD cover.
- ✿ Slide the bezel toward you, ensuring both screws are positioned at the end of the keyhole-shaped holes.
- ✿ Keep the bezel in position and fully tighten both screws.

KROK 6 Attaching the display assembly



- Carefully install the display assembly (xLCD and bezel) onto the printer using the following procedure:

⚠ **Proceed carefully** to avoid scratching the parts or damaging the door.

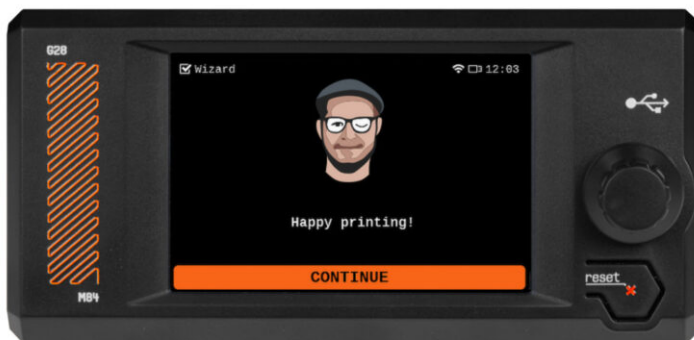
- Hook the left side of the bezel onto the left frame of the printer, ensuring the square cutout is securely attached to the frame.
- Slowly lower the right side into place as well.
- Secure the right side of the bezel onto the right frame of the printer, ensuring the square cutout is securely attached to the frame.
- Ensure the **bezel is evenly seated at both ends along the bottom edge** — test it by closing the door slowly to check if the bezel obstructs movement.

KROK 7 Peeling off the protectives

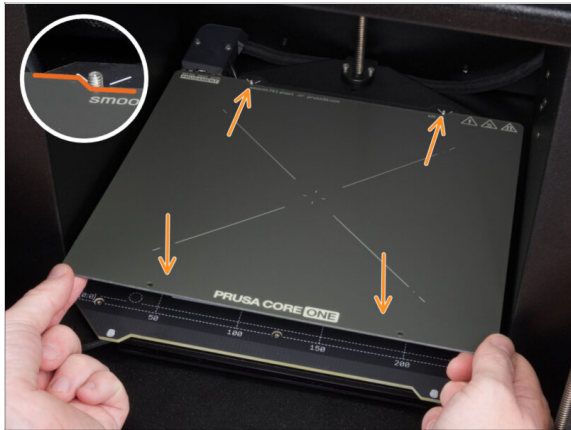


- Now, you can remove the protective films from the transparent panels on the printer.
- The protective film is located on the top, left, and right sides of the printer.
- We are almost there! Let's go to the last chapter: **4. Calibration & First run**

4. Kalibrace & První spuštění



KROK 1 Attaching the print sheet



i Tato kapitola vás provede kalibrací a přípravou tiskárny na první spuštění.

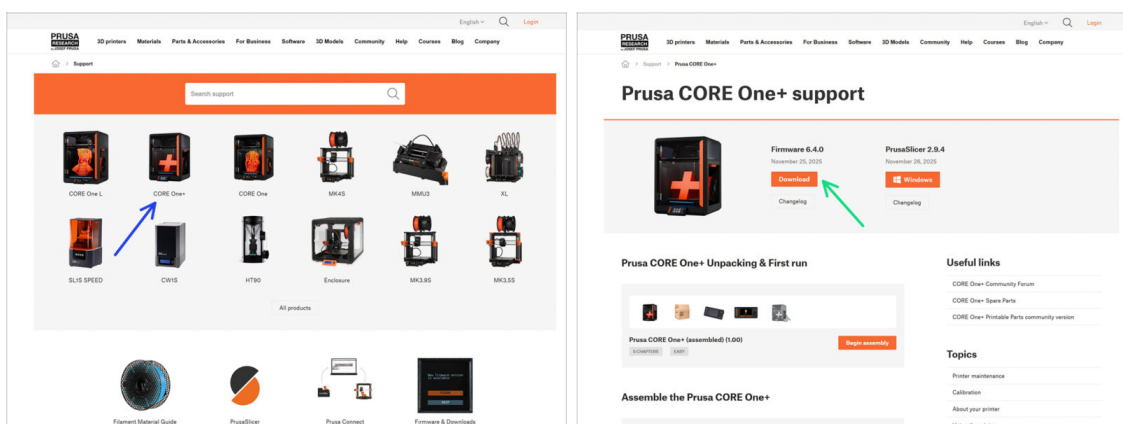
! **Make sure there is nothing on the heatbed.** The heatbed must be clean. Any dirt can damage the surface of both the heatbed and the print sheet.

■ **Attach the sheet by first aligning the rear cutout with the locking pins on the back of the heated bed.** Hold the sheet by the front two corners and slowly lay it down onto the heated bed - **watch your fingers!**

■ Keep the **print sheet** clean for optimum performance.

■ #1 cause of prints detaching from the print surface is a greasy print sheet. **Use IPA (Isopropyl alcohol) to degrease it** if you have touched its surface before.

KROK 2 Firmware update



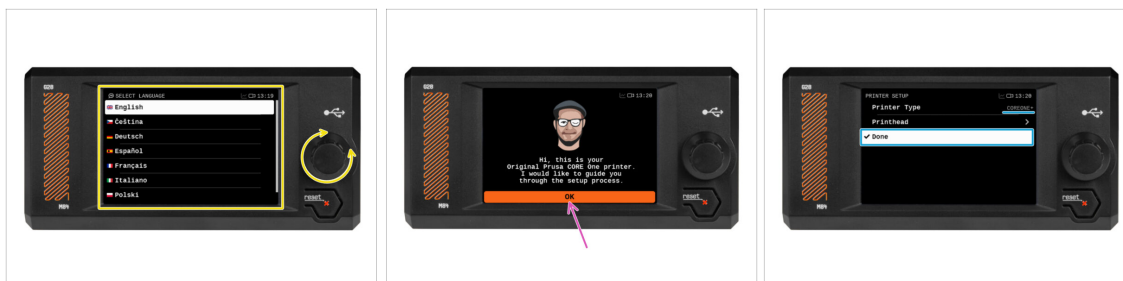
- ❗ Všechna dodávaná balení tiskáren obsahují USB disk s nejnovějším firmwarem. Doporučujeme však zkontrolovat a případně aktualizovat verzi firmwaru.
- 🔗 Navštivte stránku help.prusa3d.com
- 🔗 Přejděte na stránku Prusa CORE One+.
- 🟢 Save the firmware file (.bbf) onto the bundled USB drive.
- ❗ Pro tip: To access Prusa CORE One+ homepage you can use the URL: prusa.io/core-one-plus

KROK 3 Turning it ON



- 🟡 Zapojte do tiskárny USB disk, který jste k ní v kitu dostali.
- ❗ The included USB drive contains the latest firmware file.
- 🟡 Connect the power cable and plug the printer into a wall outlet.
- 🟢 Turn the printer on using the switch on the back.
- ❗ The printer will now detect if a new firmware file is available on the USB drive.
- 🔗 If the "New firmware available" screen appears, hit **FLASH** by pressing the rotary knob to upgrade to the latest firmware.
- 🔗 If no such message appears, the printer is running the latest firmware already. Proceed to the next step.

KROK 4 Setting up the printer: Intro



- 🟡 Tiskárna na obrazovce zobrazí výzvu k výběru jazyka. Pomocí ovládacího kolečka nebo dotykové obrazovky nastavte své preference.
- 🟣 After selecting your language, the printer will display the welcome screen. Hit **OK** to continue through the setup process.
- 🟢 The next screen will prompt you to select your printer model. Since the assembled Prusa CORE One is fully tested in our facility, it has been pre-selected to COREONE+ during these tests. Hit **Done** to continue.

KROK 5 Setting up the printer: Network setup



- 🟠 Na obrazovce Network Setup se zobrazí výzva k připojení k síti Wi-Fi pomocí naší oficiální mobilní aplikace Prusa.
- 📄 Read more on prusa.io/app.
- 🟢 If you select **No**, the printer will show alternative ways to connect to Wi-Fi. This step is optional and can be done later.
- 📄 You can skip this screen and set up the network connection later.

KROK 6 Wizard: Intro



- i** Tiskárna vás vyzve ke spuštění série selftestů a kalibrací všech důležitých součástí. Celý tento proces zabere několik minut, a některé jeho části budou vyžadovat vaši účast.
- Although the printer was thoroughly tested at our facility, we highly recommend running the self-test again. Hit **YES** to start the self-test.
- ⚠** **Warning:** During the self-test, **keep the door closed** until you are prompted. Opening the door will interrupt the process.
- There are **HOT** and moving parts inside during the self-test.
- ⚠** **Caution:** Some parts of the Wizard, such as fan testing and axis calibration, **may be loud**.
- The printer will begin by testing all the fans. **Be aware—it will be quite noisy for a while!**

KROK 7 Wizard: Loadcell Test



- V následujícím kroku průvodce budete vyzváni, abyste se dotkli trysky a otestovali a zkalibrovali Loadcell. Během tohoto procesu se **části hotendu nezahřívají**, takže se jich můžete dotknout. Dále zvolte **Pokračovat**.
- i Loadcell calibration requires the door to be open, as you must interact directly inside the printer.
- Do not touch the nozzle yet, wait until prompted by the **Tap nozzle NOW** message.
- Tap the nozzle from below. In case the Loadcell does not detect the touch, you will be prompted to repeat the step. Otherwise, you will see **Loadcell test passed OK** when it succeeds.
- To allow the printer to continue with the Wizard, **close the door**.

KROK 8 Wizard: Gearbox Alignment



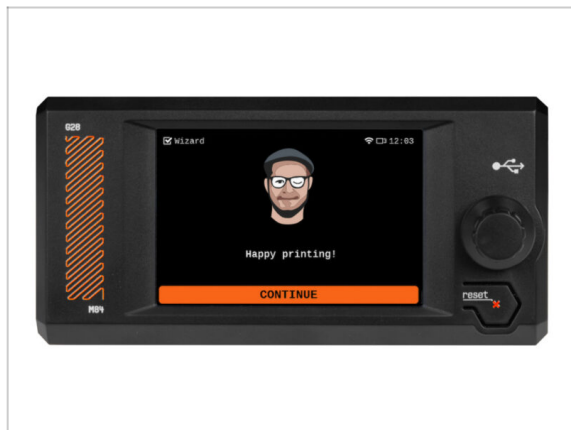
- Na další obrazovce se zobrazí výzva k provedení kalibrace převodovky. Tento krok není nutný u předem sestavených tiskáren od naší společnosti.
- Pro pokračování klikněte na Přeskočit.

KROK 9 Wizard - Filament Sensor Calibration



- ◆ During the filament sensor calibration, you will need to use a short piece of filament. Prepare the filament and select **Continue**.
- ❗ Před spuštěním kalibračního procesu se ujistěte, že se v extruderu nenachází žádný filament.
- ◆ Place a spool of filament onto the spool holder on the right side of the printer.
- ◆ When prompted, begin inserting the filament into the PTFE tube located beneath the right handle.
- ◆ Remove the filament after the calibration finishes.

KROK 10 Wizard complete



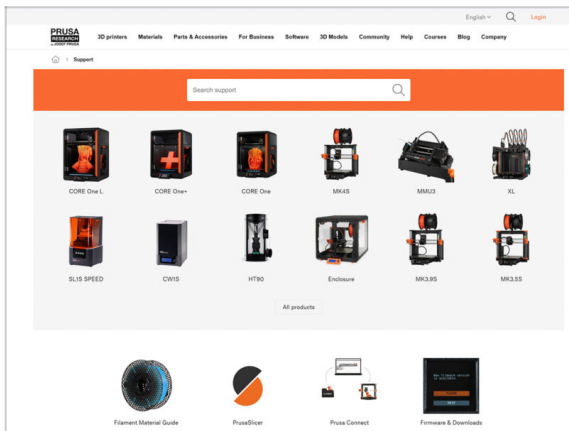
- ◆ Gratulujeme! Průvodce je dokončen. Nyní je čas otestovat některé výtisky.

KROK 11 Handbook



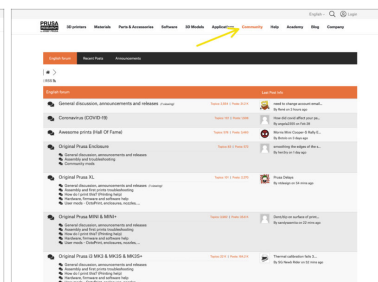
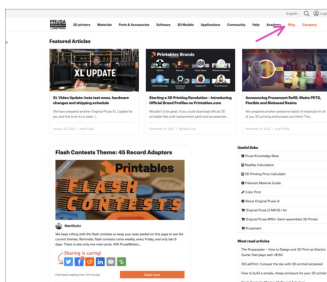
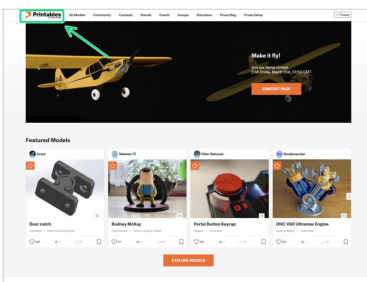
- 📖 Přečtěte si **Příručku 3D tisku** určenou pro vaši tiskárnu. Dodržujte pokyny pro správné nastavení a připravte ji pro váš první tisk.
- 📌 Nejnovější verze je vždy dostupná na prusa.io/core-one-plus.
- ⚠️ Read the Disclaimer and Safety instructions chapters.

KROK 12 Prusa knowledge base



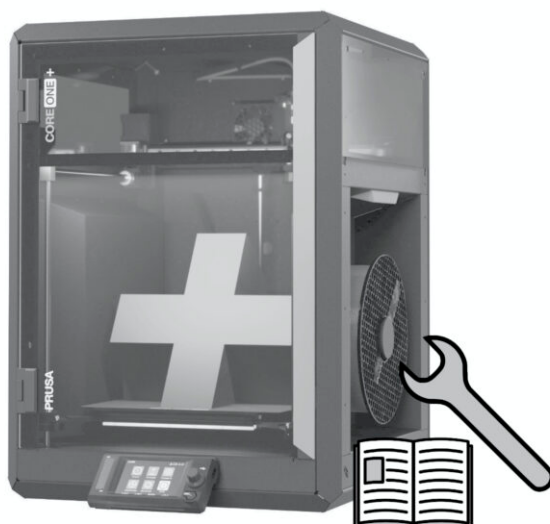
- 📌 Pokud narazíte na jakýkoliv problém, podívejte se nejprve do naší databáze znalostí na help.prusa3d.com
- 📖 Odpovědi na různé problémy přidáváme každý den!

KROK 13 Join Printables!



- 🟢 Nezapomeňte se přidat k největší Průša komunitě! Stahujte nejnovější modely jako STL, nebo G-cody odladěné pro vaši tiskárnu. Registrujte se na [Printables.com](https://printables.com)
- 🟣 Hledáte inspiraci pro nový projekt? Na našem blogu vychází článek každý týden.
- 🟡 If you need help with the build, check out our forum with a great community :-)
- 📌 All Prusa services share one user account.

Manual changelog



KROK 1 Version history



- **Versions of the Prusa CORE One+ (assembled) manual:**
- 11/2025 - Initial version 1.00

[illegible]

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across the entire width of the page, providing a guide for writing. The background is a clean, solid white color. There are no margins, text, or other markings present.

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across the entire width of the page, providing a guide for handwriting or typing. The background is a clean, solid white color.

