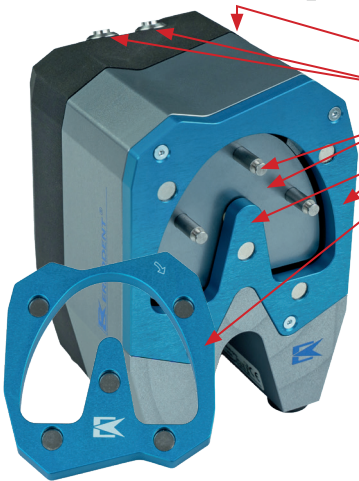


exMod-pro

exMod-pro (173 200) for easy separation of thermoformed aligner foils from printed models




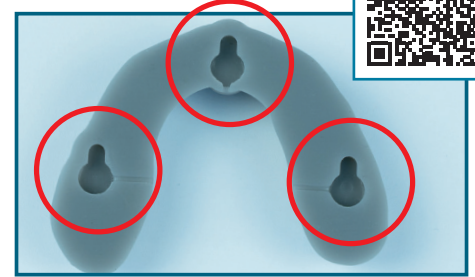
- On-off switch and mains plug
- Function switches
- Separating plate with mounting pins
- Demoulding frame
- Clamping template (173 201)

Unpacking:

open the box, remove the support cardboards, lift the device out of the packaging with the bag (3 kg) and remove the accessories

Note:

exMod-pro can only separate models with mounting pockets from the thermoformed foil. The STL data for the 3 necessary pockets  are inserted into the print data for the first model. A video and the STL data are available for download: <https://www.erkodent.de/en/products/thermoforming-units/exmod-pro/>



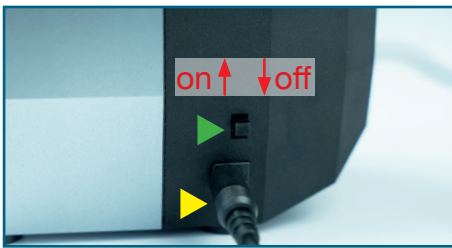
Connect the standard plug to the power supply unit





Never reach into the device during operation!



Instructions: for foil thicknesses > 0.6 mm (for foil thicknesses ≤ 0.6 mm, see reverse side)



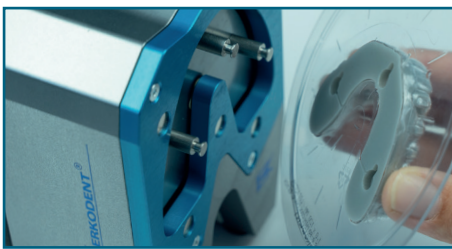
1. Plug in power supply  and switch on the device .



2. The function switches flash. To perform the reference run, press the flashing **blue** switch.



3. The function switches stop flashing, the device is ready for operation.



4. The mounting pins are fully extended and the model with foil can be positioned.



5. Mount the model with foil ...



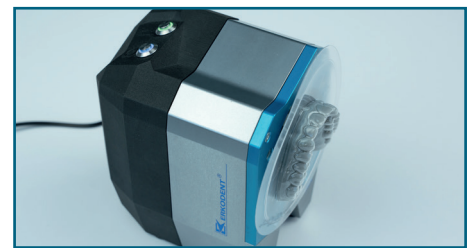
6. ... and press down slightly.



7. Mounted model with thermoformed foil, ready for separation.

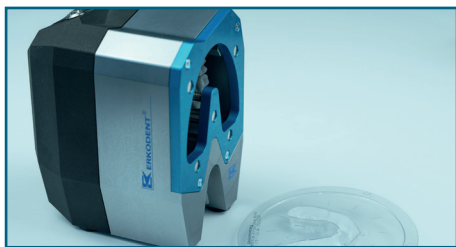


8. To perform the separation process, press the **blue** illuminated switch.

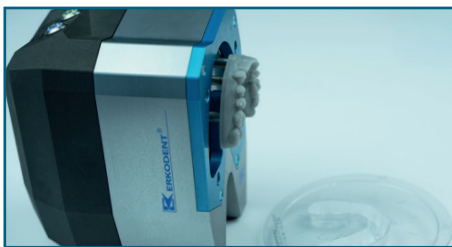


9. The separation process runs completely automatically.





10. The thermoformed foil is separated.



11. The model moves forward again for removal.



12. Unmount the model upwards. The device is ready for the next separation process.



If a foil with thickness ≤ 0.6 mm is to be separated from the model, the clamping template is used. This prevents overstretching or deformation of the foil and ensures a safe separation.



13. Mount the model with the foil as described in 5.



14. Now press the **green** illuminated switch once.



15. The model moves to the demoulding frame.



16. Apply the strongly magnetic clamping template (K at the front) only grip from the sides, risk of pinching).



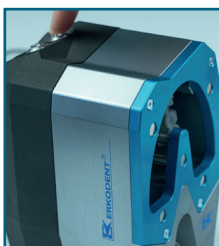
17. To separate, press the **green** switch again.



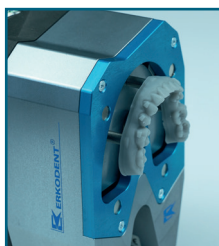
18. Remove the clamping template and the foil in the direction of the arrow.



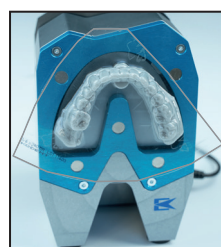
19. To be able to remove the clamping template and the foil, the model remains in the rearmost position.



20. Press the **green** illuminated switch. The model moves back to the starting position for removal.



21. Unmount the model upwards. The device is ready for the next separation process.



exMod-pro is also suitable for separating cut-to-size foils.



For large foil sizes, place the device at the edge of the table. (fig. Erkodur-Ø 240 mm)

Troubleshooting (for further possible errors, see link on front page)

Error	Possible cause	Remedy
Model cannot be hooked in.	Mounting pockets are not free of resin residues and/or are not flush with the model base.	Check the condition and position of the mounting pockets.
Separating plate does not move to the hook-in position for models.	Travel path obstructed by obstacle (e.g. model fragment), separating plate moves back.	Switch off the device, remove the obstacle, switch on the device and perform a reference run.
Front end position of the separating plate is incorrect.	Error during reference run.	Switch the device off and on and perform the reference run again.
Thermoforming foil not completely separated from the model.	Thermoforming foil ≤ 0.6 mm, or highly elastic.	Use the clamping template.
Models break during separation.	Model is touching the demoulding frame. Poor print quality.	The model must fit through the demoulding frame; if not, trim the model accordingly. Check the print quality.
Thermoforming foil deforms during demoulding.	Thermoforming foil not completely cooled.	Only separate completely cooled foils from the model.