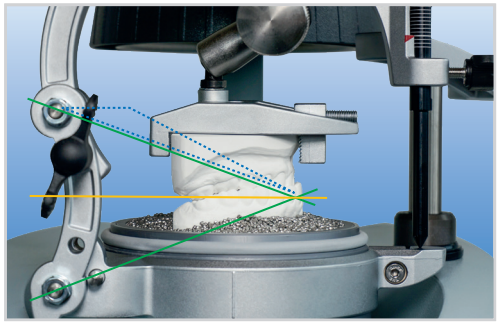
The function of the Occluform device

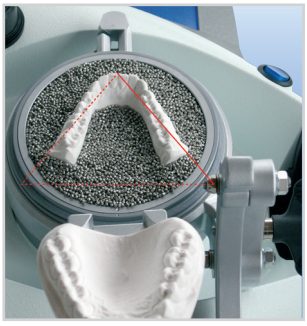
Occluform-3

The Occluform is an occludator that can be integrated in a thermoforming unit to **imprint the opposing bite** (pat. 19915567).

- The Occluform-3 can only be installed at the Erkoform units serie 3.
- It allows to directly imprint the opposing bite in the Erkoform units serie 3 during the thermoforming process!
- Plaster-free model fixation.
- The single column construction enables best model accessibility.
- The articulation of the models is ensured by a hydraulic system that can be fixed in every position.
- The construction of the Occluform-3 device is based on a Bonwill triangle with a side length of 11.5 cm and a Balkwill angle of 20°. That way it allows a median elevation of the bite.

The Erkoform units serie 3 are prepared for the simple installation of the Occluform-3, the device will only be mounted with a single clamping screw on the thermoforming unit.





Hints

- **Please note:** the upper joint of the Occluform-3 is fixed when thermoformed on the upper jaw model, the lower joint is fixed when thermoformed on the lower jaw model (see also Occluform-3 instructions).
- Reduce models that exceed the inner dimensions of the retainer jaws in the model pot and that are too high for the total inner dimensions (both models articulated) by trimming.
- For very small models turn the retainer jaw to the marking point at the edge of the model pot in order to avoid the incisal point moving backwards.

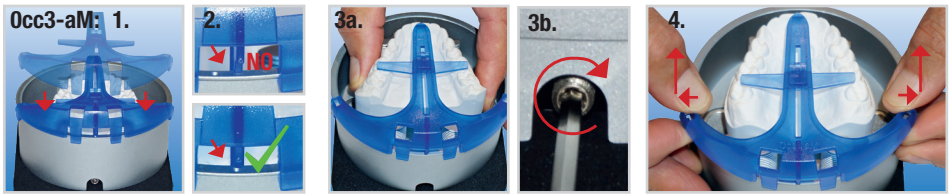
Accessories:
Occ3-4p: Special device and construction data for fixation of 3d print models in the Occluform-3 device. Occ3-4p set 188 595, 4p-special model disc, 4p counter bite fixation, construction software (download).

Occ3-aM: Device for mean value alignment of a model in the Occluform-3 model pot to the incisal point and to the occlusal plane. The positioning and articulation then corresponds to that of a mean value articulator.
Occ3-aM 188 589, 1 piece with model pot support

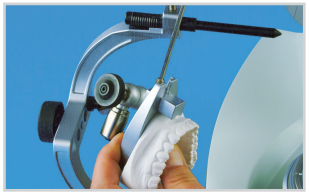
Working with the Occluform-3

All thermoforming materials can be adjusted with the Occluform-3. However, thin foils cool off very fast and are less suitable. The thicker the thermoforming material used the more time there will be for the imprint (adjustment).

1. If available, place the lower or upper jaw model in the model pot using the **Occ3-aM** and tighten. The area that has to be thermoformed should protrude the edge of the pot. (**Occ3-aM 1. - 4.**)



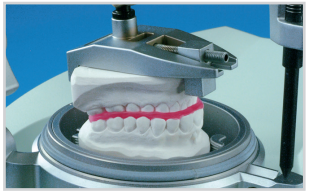
1. If Occ3-aM is not available fix the lower or upper jaw model in the model pot, the area that has to be thermoformed should protrude the edge of the pot.



2. Fix the antagonistic jaw onto the upper model plate. Prefix the model in a preferably high position with the arrest joint.
Close the Occluform.
Occ3-4p (188 595) for fixation of 3d print models!

3. Point the supporting pin on the 0-line (arrow), open the arrest joint and articulate the models.

The bite can be elevated to a median value.

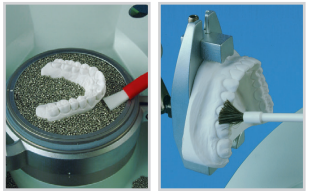


4. If a construction bite is available the models are articulated in the same way (**3**).

That way the imprint corresponds exactly to the bite registration.

5. Hold the upper model plate in position and firmly close the arrest joint. Open the Occluform.

Fill as many high grade steel granules in the pot that only the ...



6. ... thermoforming area plus 3 mm is visible. Ensure that also the hollow spaces under the model are filled with granules. Insulate the opposing bite (alginate based insulation).

Now it can be thermoformed.

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