

Model system Profident 2010



The perfect system for precision
and innovation



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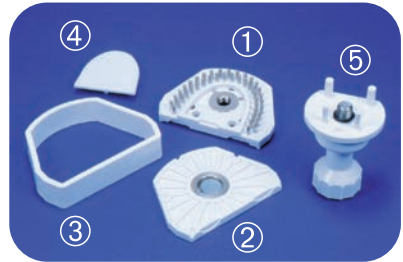
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Preparing the impression

All the components of the Profident 2010 are listed below with the relevant number (large version, size 2).

1. Pin base plate
2. Split-cast plate
3. Modelling sleeve
4. Ejector plate
5. Lift taking off screw



1. Cut the impression to remove undercut areas of the impression (e.g. mucolabial fold). With upper impressions it is essential to level the palatal vault.



Note: The more precisely the palatal vault is cut, the lower the finished master model.



2. Only use the separating spray Profisep 2010 (REF 240021) supplied with the Profident 2010 to separate the base plate (1). Spray on a uniform film of the separating agent and turn the base plate upside down. Do **not** blow off the separating agent, as this would damage the separating film.

Disinfect the impression in the usual way while the separating agent dries (drying time approx. 1-2 min.). At this stage place the modelling sleeve (3) on the pin base plate (1).



Note: The surface of the base plate becomes matt after the separating agent has dried.



Pouring / Model fabrication

3. Pour the impression in the usual way and fill the pin base plate (1) with dental stone (e.g. Marmoplast® N).

Then position the poured impression in the middle of the pin base plate.

Note: Remove excess stone carefully using a plaster knife.



4. Remove the model from the impression after the setting time prescribed by the dental stone manufacturer (approx. 30-45 min.).

Remove the white modelling sleeve (3) and lift the pin base plate (1) from the split-cast plate (2) to access the holes for the arch raising device.



5. Place the lift taking off screw (5) in the corresponding holes on the underside of the pin base plate.

Lift the dental arch carefully using the lift taking off screw (5); this loosens the cover of the model system and lifts the dental arch.



Note: Take great care to avoid tipping the model. If it does tip, turn the arch raising device back slightly and then lift the model evenly.

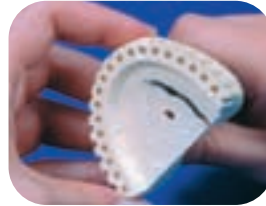


Finishing the model

6. Trim the dental arch buccally with a dry or wet trimmer. **It is not necessary to expose the first row of pins.** When using a wet trimmer clean off the stone slurry from the pin holes immediately before replacing the model on the pin base plate.



Note: A dental arch trimmer or keyhole cutter is suitable for trimming palatally.



Important:

It is essential that the arch is only trimmed back as far as the demarcation line, which is marked with a small groove on the ejector plate, to ensure that the individual segments can be raised uniformly.



7. The pin base plate should always be cleaned before replacing the unsawn dental arch. Profisep Clean (REF 240023), a cleaning spray available as an optional accessory, is ideal for cleaning the pin base plate, as it dissolves any separator residue. Spray on – allow to react for 30 seconds – rinse with water – ready.

8. Finally, saw the dental arch either mechanically, preferably with the Concept G2 from Schick available as an optional accessory, or with a diamond disc and handpiece. Stone expansion ends at the saw cut, so the segments should not be greater than 3 dies.



Then carefully clean the stone dust from all the stone segments (either with a brush or with a steam cleaner) and replace the segments on the cleaned base plate.

