

Sequences of operations

Class I., II.

1st. Phase in dental office
Taking impression – alginate
Both jaws.

1. Phase in dental lab
Pouring of the models – plaster (stone)
Or

Making of wax template or making of custom tray

2.nd phase in dental office
Customized impression - alginate or elastomeric (paste)

Or

Registration of intermaxillary relationship – occlusion, choice of colour.

3.rd phase in dental lab

- Preparation of the model for backup.

All undercuts are blocked out with wax
Also the space under the future framework is covered with wax

- Back up - duplication

The model is duplicated in duplication flask using a special duplication material. The result is a model of investing material. The wax framework (wax pattern) is made on it.
The wax framework is made of special wax, the sprue pins go to the canal in the base of the model.

- Investment with the same investing material – a casting flask.

The wax is burnt out and
the form is heated
in a special oven. The investing material expands.

After that the casting process
is performed using a special
casting machine. Melted alloy flows into the form.

3rd phase in dental office
Try the metal framework

4th phase in dental lab
The denture is built up – base is of wax and acrylic teeth are placed into the correct position.

5th phase in dental office – the denture is tried

6th phase in dental lab

The prothesis with the wax bases is put into a special flask – four parts flask.

Gypsum is used.

After hardening of the gypsum, the flask is open, the wax is removed using hot water, the gypsum is insulated and the wax is replaced with acrylic material. The flask is closed again and pressed in a special machine. After that polymerization of resin takes place in hot water. The denture is finished and polished.

7th phase in dental office:

Prothesis is given to the patient, check occlusion, articulation aesthetics. The patient is informed of proper handling.