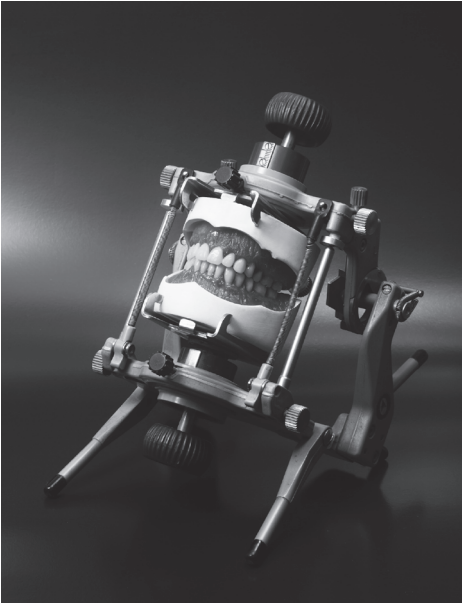




BETA DENT

Beta Dent is the largest producer and exporter of dental material in Iran.



The owner of international standards
and a partner laboratory of National
Standard Institute



Beta Dent

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Beta Dent company products:

- ◆ Finex
- ◆ Amarok
- ◆ Isosid
- ◆ Crystal
- ◆ Novin Vet
- ◆ Beta Star

The use of artificial teeth:

- ◆ Making full dentures
- ◆ Partial prostheses
- ◆ Complete and partial prostheses based on Implant

The science of dental prostheses is related to the reconstruction of missing teeth and their adjacent tissues by artificial prostheses. These prostheses are designed in such a way that can be removed and placed, which is called "moveable". Dental prostheses are supported by adjacent teeth, remaining ridges, dental implants or a combination of them.

Primary Impressions:

After the clinical examinations the primary impression is made followed by the primary cast (it is recommended to make impressions from the lower arch or mandible first because it causes less discomfort for patient).

It is necessary to make a dense cast with a wear-resistant surface and create an edge in a suitable border.

Making a special tray:

A special tray is used for final (secondary) impressions (apply Biofilm separating liquid or Vaseline to the contact area of the tray and cast so that they can be separated easily).

After taking the final impression, we bead and box the impression to capture all horizontal and vertical edges around the cast, then, using a model trimmer, the excess material of the cast is trimmed. Following relief and block-out of the base, we prepare the appropriate rim.




Teeth arrangement and modeling:

After registering the relationship of the casts, we mount it on the appropriate articulator and after checking the occlusion completely, the artificial teeth are arranged, to create a natural state of the artificial teeth, if the patient wishes and the dentist recommends, we arrange them with a little overlap.

To make partial dentures, the color-shade is selected according to the color-shade of the adjacent teeth.

To choose the tooth size of the partial prosthesis, we pay attention to the empty space between the teeth and the size of the similar teeth on the opposite side of the arch. There is harmony between the length and width of each upper middle incisor tooth with the length and width of the patient's face.

According to the standard, teeth are classified into 3 main shapes:

- ▶ Square 
- ▶ Triangular 
- ▶ Oval 

In this way, the anterior teeth are selected based on the patient's face, and then, based on the Mould Chart, the posterior tooth is selected according to the anterior tooth.

*** Note:** Do not touch the primary modeling tooth on a direct flame.

Test session:

The dentist should ask the patient again about the appearance of the arrangement and the color-shade of the teeth, so that the mental effect of the prosthesis is determined and the prosthesis is pleasant for the patient. After specifying the vibrating line and making sure that the base is sitting on the cast, start fixing the base on the cast and do the appropriate modeling.

Muffling and curing Acrylic:

It is recommended to grind the connection area of the tooth base with an acrylic carbide bur to create a strong bonding (mechanical retention) between the tooth and the acrylic base.

*** Note:** To protect artificial teeth and gum prosthesis, use biofilm separating liquid and laboratory silicone on the surface of the teeth.

Polymerization (acrylic curing):

Acrylic curing takes place in the form of heat-curing or self-curing, and after finishing the curing, the muffle is slowly cooled in the laboratory environment, then the muffle is opened and the prosthesis is removed.

In case of using the heat-curing method, the appropriate time must be applied (the time and conditions of acrylic curing are determined based on the manufacturer's brochure), after curing the balance is recommended.

Finishing and Polishing:

We use laboratory equipment such as high-round miniature burs, polishing dynamo, special polishing rubber and polishing paste to achieve gloss and beauty of the prosthesis. To minimize the residual monomer, it is recommended to place the prosthesis in normal water for 48 hours and then deliver it.

Prepared by Beta Dent Research and Development Center

If you have any criticisms and suggestions, send your comments to the company's email address.

info@betadent.com

Beta Dent protects the health and beauty of your smile