

# Definition of dental surveyor :-

it is an instrument used in construction removable partial denture to locate and delineate the contour of abutment and associated structures to design the partial denture and use the proper clasp .



Chrome Cobalt Denture (Gold Clasp)



# Parts of surveyor

1-Platform: - on which the base is moved.

2.Table :- to which cast is attached

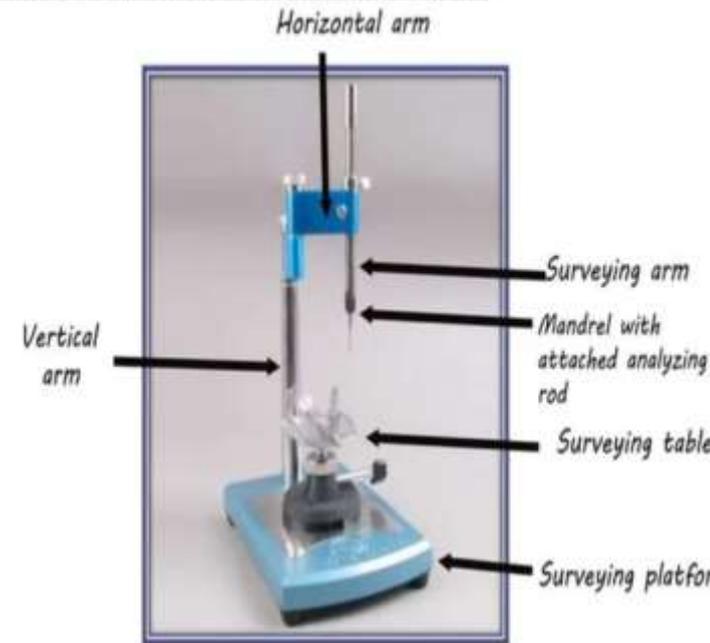
3. Vertical arm : - that supports the superstructures.

4.Horizontal arm:- From which surveying arm is suspends.

5.surveying arm

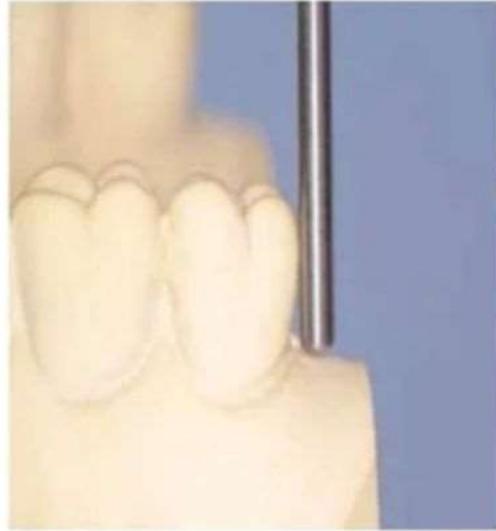
6. Mandrill: - for holding surveying tools

## PARTS OF DENTAL SURVEYOR



# surveying tools

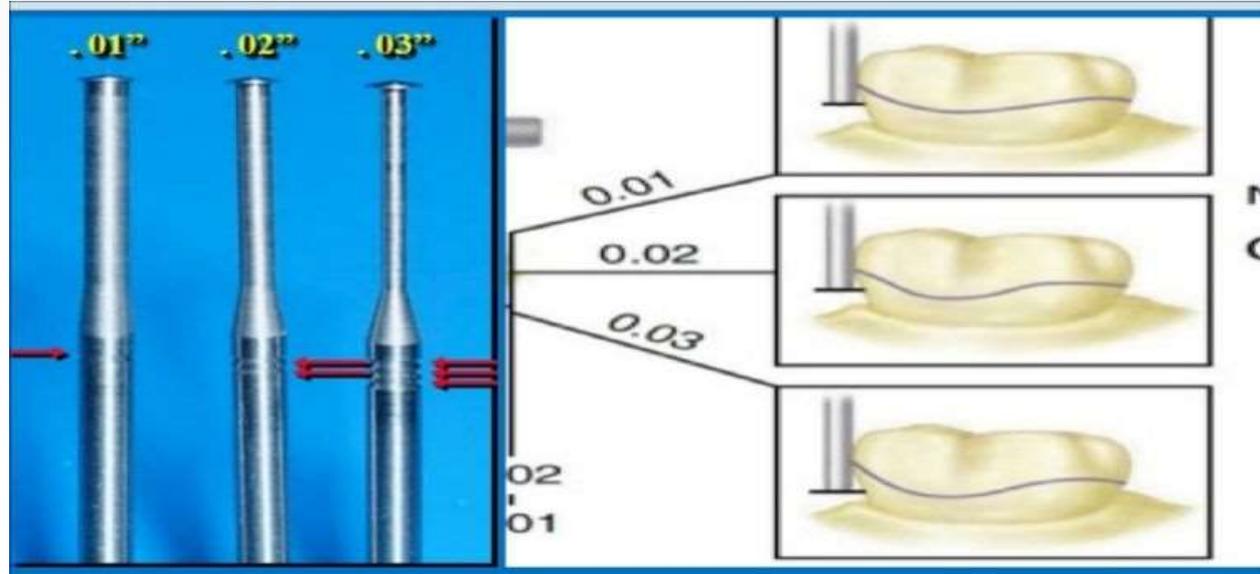
Analyzing rod :to determine parallelism of tooth surface



Carbon marker :to mark the survey line at the height of contour



**Undercut gauge :** to measure the undercut below the height of contour



**Wax trimmer :** to trim and contour the wax used to block out the undercut



# Types of dental surveyor

## 1. Ney surveyor



## 2. Jelenko surveyor



## Characteristics of Ney surveyor :

- 1- Horizontal arm is fixed
- 2- vertical arm retained by friction
- 3- The surveying arm remain in any vertical position until it moved again .
- 4- cast table is moved around surveyor platform



# Characteristics of Jelenko surveyor

- 1- Horizontal arm is movable
- 2- vertical arm is spring mounted
- 3- surveying arm when released return to its original position by spring action ,
4. The cast table is fixed with magnet in the surveyor platform



thank  
you