

Assist lecturer samah khaleel

Dental Trimmer

It'S an electric device used to trimming the model that is made from gypsum products (stone, stone, plaster,.....)

Use for:

- 1- Making a model with a suitable width.
- 2- To match the model together (upper and lower model).
- 3- To determine the occlusal view of the model.

There are two types of trimmer:

A-One wheel model trimmer.

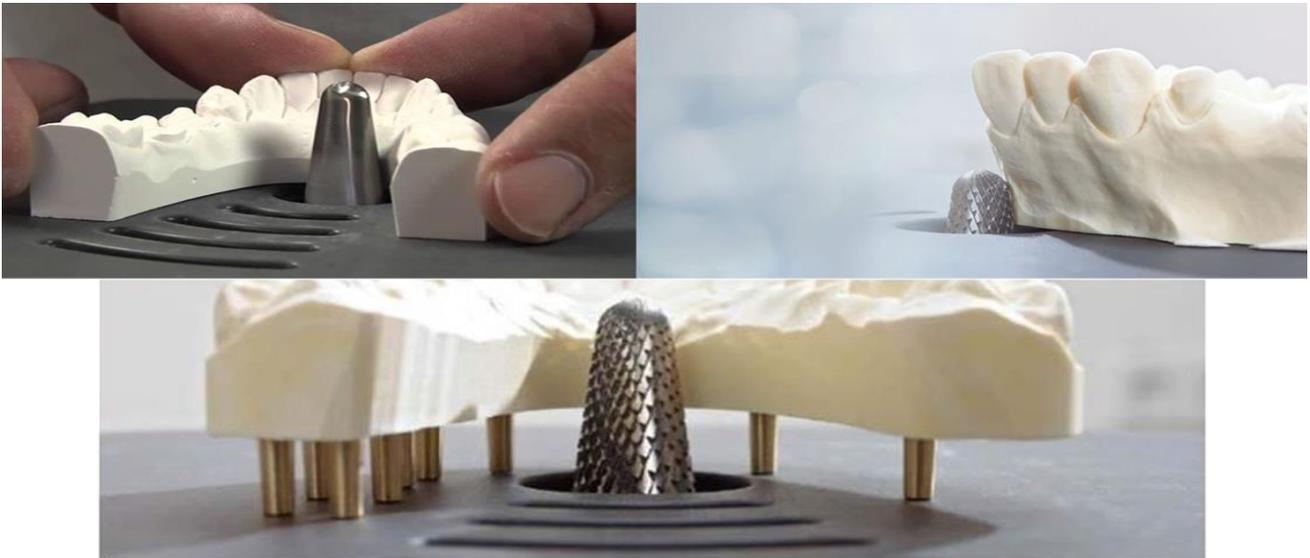
B- Double wheel model trimmer.



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Dental model arch trimmer

The Dental Model Arch Trimmer is an instrument for fast, easy removal of the arch or palate area of stone dental model, in crown and bridge work. The machine is equipped with high torque motor for fast cutting.



Parts of dental arch trimmer

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A- ON/OFF

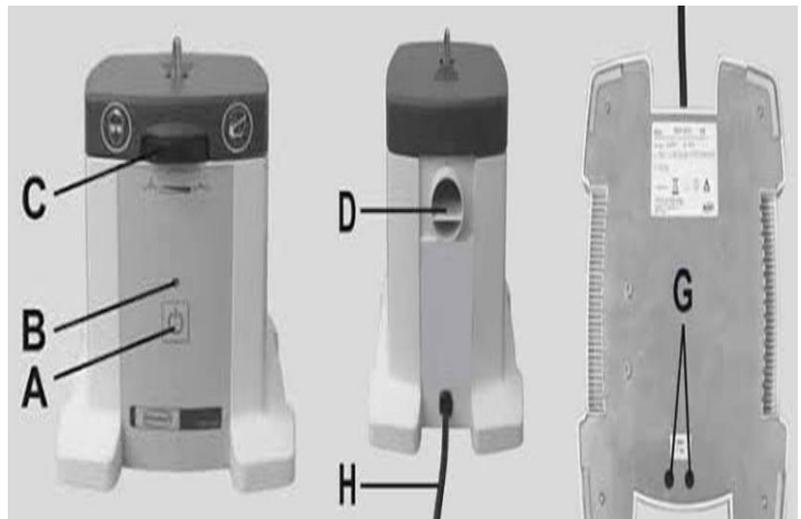
B- OnbuttonN/OFF LED display

C. Height adjustment

D -Connector for extractor

G- Fuse

linksH- Mains cable



Dental lab laser pindex drill machine

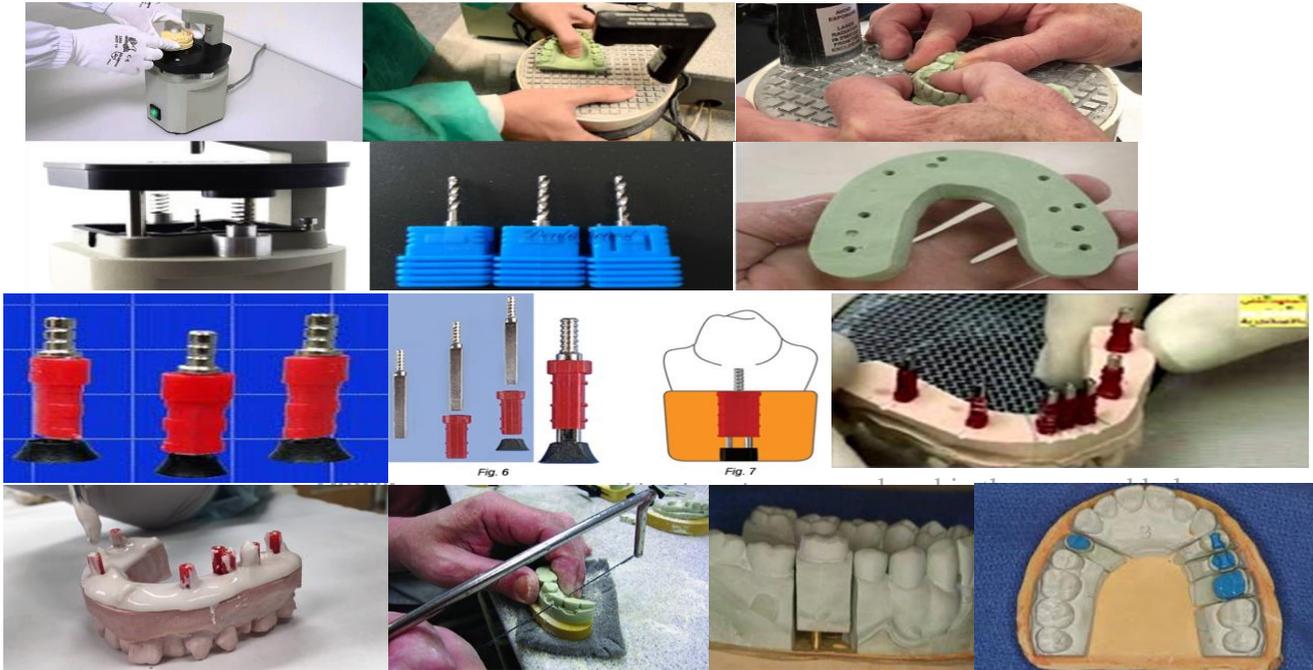
The pindex system is used to provide a simple way to fabricate precise parallel drill channels for placement the dowel pin. The advantages of Laser drilling machine is quick, easy , and reliable pin placement



In the pindex system , the impression is poured with out positioning and attaching dowel pins . The cast is placed on the drill table , a light will indicate the location of the drill , the working table is pressed down ,

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when the spring touches the table the machine works and the drill penetrate the cast making a hole for the dowel pin .



Measurement instruments : In dental laboratories measurement instruments are needed for

A . Length, width, height, thickness measurement .

B- Volume measurement

A- Instruments that are used for measurement of length , width, height ,thickness ,are

1-ruler , 2- vernier , 3- iwanson device

1.ruler : regular ruler is needed to measure length and height of teeth , length of the face , and if flexible plastic ruler is used to measure the width of anterior teeth .

2.Veriner caliper device (caliper) is a measuring device used to precisely measure linear dimension External and internal diameter ,and depth of an objects.

Vernier calipers have both a **fixed main scale** and a **moving vernier scale** .The main scale is graduated in either millimeters or tenths of an inch.

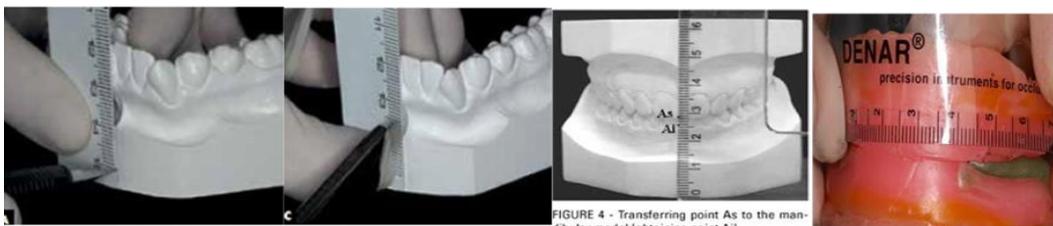
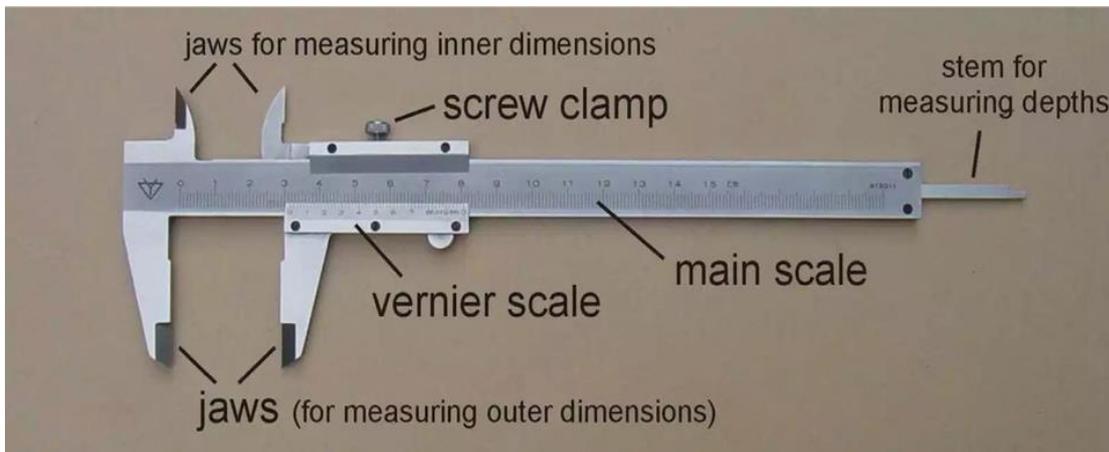
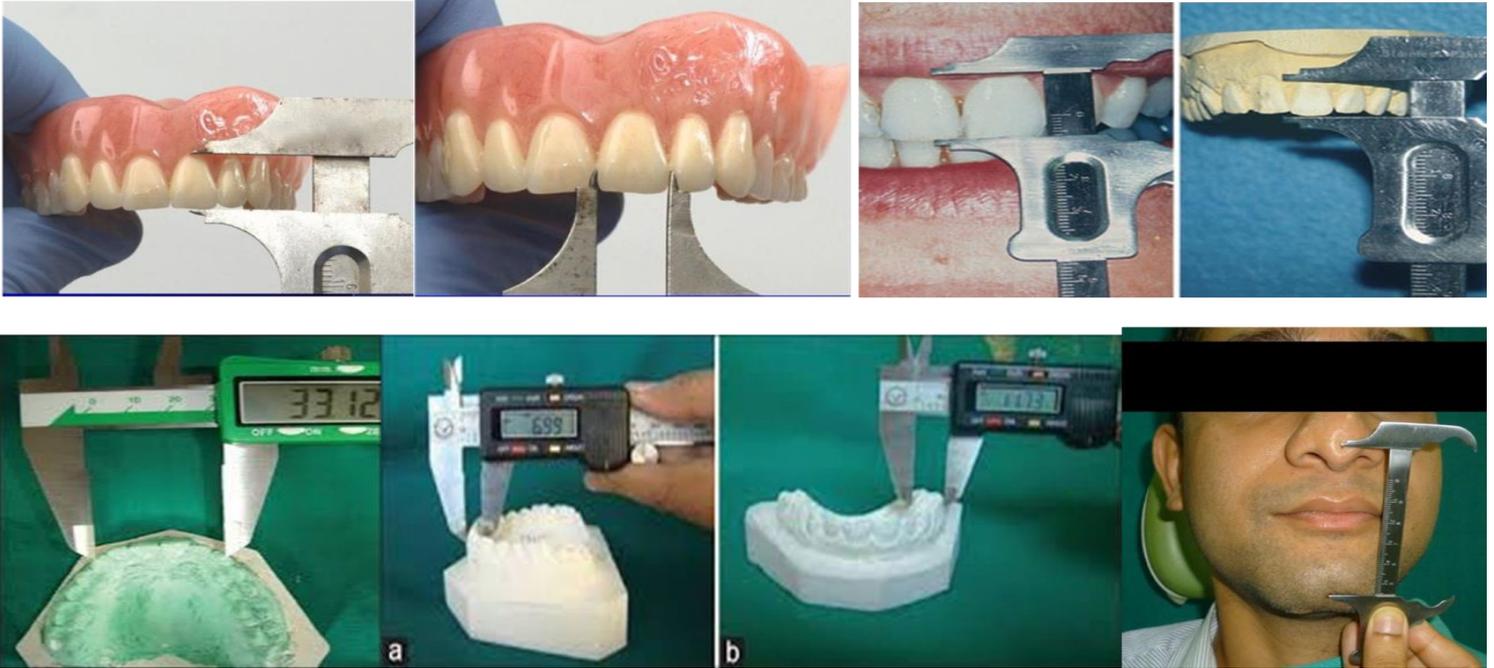


FIGURE 4 - Transferring point As to the man-
dibular model fabrication point Al



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The vernier scale allows much more precise readings to be taken (usually to the nearest 0.02mm or 0.001 inch) in comparison to a standard ruler (which only measures to the nearest 1mm or 0.25 inch).

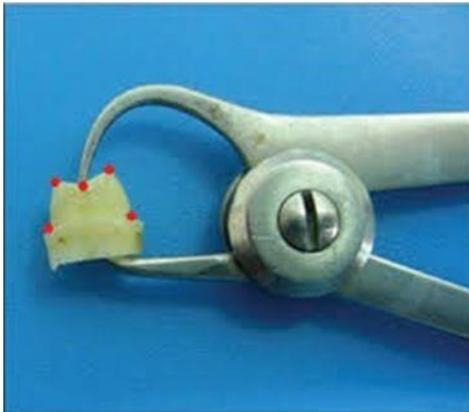


3. Iwanson caliper device

It is used to measure the thickness of small objects like metal sheets, plastic sheets, or metal crowns. **There are two types of iwanson caliper:**

Wax caliper -- the measuring end are blunt (round) to measure the wax crown metal caliper – the measuring end are sharp (pointed) to measure metal crown .

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B- Volume measurement tools : are used with all impression materials which uses liquid, (alginate, cold and heat cure acrylic , elastic impression material)

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1.measuring cylinder

1. Glass flask
2. Beaker
3. Measuring spoons and scopes

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