

THE ALMA ALGINATE SYRINGE

The Alma range of precision measuring instruments

Bite Gauge The Alma Bite Gauge combines tried and tested principles of facial height and inter incisal distance with superior design technology to guarantee pinpoint accuracy, significantly improving ease of use.

Bite Plane The Alma Bite Plane is an essential and dedicated instrument that can assist in determining the correct orientation of the occlusal plane to produce successful dentures.

Denture Gauge The Alma Denture Gauge not only helps in the provision of better dentures, but also saves time. It takes both horizontal and vertical readings of the existing denture reference to the incisive papilla.

Wax Tray A combined hotplate and tray system to keep work surfaces free from wax and help maintain efficient work procedures.



ALMA

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World Patents Applied



THE ALMA ALGINATE SYRINGE

ALMA

The measure of successful dentistry



The Alma Alginate Syringe

INSTRUCTIONS FOR USE

The Alma Alginate Syringe is a unique product specially designed to reach difficult areas and assist in the accuracy of taking alginate impressions.

Dental alginate is a universally accepted and used material for taking dental impressions. During the procedure difficulties often arise due to the lack of material flowing into remote areas such as around the maxillary tuberosity, the buccal sulcus and into mylo-hyoid regions. The dedicated Alma Alginate Syringe, is easy to use and has been designed to assist in the process of taking impressions.

FEATURES AND BENEFITS

- Ergonomic design fits comfortably into the hand
- Angled body face assists in easy loading of the alginate, within normal alginate working time
- Avoids irritating the retch reflex
- High quality plastic offers long product life
- Materials steam autoclavable to 134°C, reduces cross infection risk
- Durable rubber piston
- Smooth plunger action due to polished inner face
- Easily cleaned between uses
- Nozzle designed for easy access of alginate to all difficult areas
- Nozzle outlet delivers the optimum amount of alginate to inaccessible areas
- Delivers alginate directly and accurately to required positions in a controlled manner
- Suitable for use with range of commonly used alginates

Fig 1. Assembled syringe



Fig 2. Unassembled syringe



Fig 3. Bowl with alginate being mixed



Fig 4. Syringe body being loaded with alginate from side of bowl



Fig 5. Syringe plunger being inserted at an angle

Fig 6. Application to maxillary tuberosity



Fig 7. Application to upper bucal sulcus region



Fig 8. Application to lower bucal sulcus region



Fig 9. Application to mylo-hyoid ridge



Fig 10. Application to palate region



Fig 11. Resulting full impression



Fig 12. Unloading syringe

APPLICATION TECHNIQUE

1. Firstly fix the Alma Alginate Syringe nozzle by inserting at the angled opening of the body, pull the nozzle through to engage the fixing tabs, and turn the nozzle clock-wise to the stop position to lock.
2. With the alginate mixed (Fig 3), and the syringe plunger removed, load the Alma Alginate Syringe by wiping the specially designed angled opening of the body onto the side of the alginate bowl, see Fig 4.
3. When sufficient alginate has been scooped into the body of the syringe insert the plunger and advance until alginate reaches the tip of the nozzle. This process can be assisted by introducing the plunger into the body of the syringe at an angle as shown in Fig 5.
4. Direct the required amount of alginate into areas of the mouth, as shown in Fig 6 – 10, before introducing the tray. Remove the tray to reveal fully extended impression (Fig 11).
5. After use, and when the alginate has set, the residual material can be removed from the syringe by gripping the nozzle and turning it anti-clockwise approximately 30° to the stop. Push the nozzle axially into the body of the syringe, this will also push the plunger out at the opposite end (Fig 12).
6. The nozzle, plunger and residual alginate can now be removed from the syringe body. Any remaining material can be removed from the nozzle, plunger and body areas by washing in warm water and brushing e.g with a toothbrush.
7. Avoid the use of sharp instruments to clear out remaining alginate as this may scratch the inside surface of the Alma Alginate Syringe. It is essential for continued performance of the instrument that the inner surface should remain smooth.
8. When cleaned, the syringe components can be steam autoclaved on a standard 134°C, 3 minute cycle.