

# Prosthetic Instruments



Part of the  
Award Winning  
Enigma & Natura  
Denture Systems

# The Schottlander Alma Gauge

The positions of denture teeth are not just important for the patient's smile and the function of their dentures. They also enable clear speech and, when placed to support the lips, can make a difference of five or ten years to the apparent age of the face.

An initial estimate of the tooth position should be established during the first appointment and confirmed at the occlusal record stage when speech can also be tested.

The Schottlander Alma Gauge not only helps in the provision of better dentures but also saves you time. Simply use the Alma Gauge to take horizontal and vertical readings of the existing denture referenced to the patients incisive papilla.



Assessing the existing denture



Checking the occlusal rim

## Simplified Procedure

At the first visit assess horizontal position of central incisors and, if required, modify lip support with sheet wax. Take an Alma Gauge reading. Next assess the vertical dimension relative to the existing denture and record both readings on the sleeve together with an outline of the denture.

In the laboratory the technician produces an occlusal rim of precise dimensions using the working impressions, the sleeves provided and the laboratory Alma Gauge.

At the next surgery visit the usual occlusal records are taken. In addition, because the rim is so precise, with minimal excess thickness, tooth position can be checked and speech tested at this early stage, reducing patient visits for re-tries and the subsequent need to reset teeth. Any adjustments are recorded using the Alma Gauge.

This straightforward procedure ensures a set-up that will require fewer adjustments, saving not only time, but also resulting in greater patient satisfaction.



Saving surgery and laboratory time

## Advantages of the Schottlander Alma Gauge

- Facilitates early checking of tooth position and speech.
- Transfers information as numerical readings between surgery and laboratory.
- Saves both surgery and laboratory time.
- Helps reduce re-tries.
- Prescription can be checked at both try-in and fit stages.
- The processed denture can be checked for accuracy both before and after return to the surgery.
- Particularly useful for house bound patients.
- Easy to evaluate relines, rebases and copy dentures.

## Denture Duplication Techniques

There are a number of well proven denture duplication techniques in use, such as the Dundee Technique and others. The Alma Gauge can be used as an adjunct to these techniques whether or not any changes are required to the existing dentures.

1. Take the Alma Gauge readings as usual.
2. Record any adjustments, which are needed to the anterior tooth position.
3. Duplicate the existing dentures as usual.
4. Set up teeth to the Alma Gauge readings for the changed or unaltered denture.
5. Confirm position of teeth using Alma Gauge.

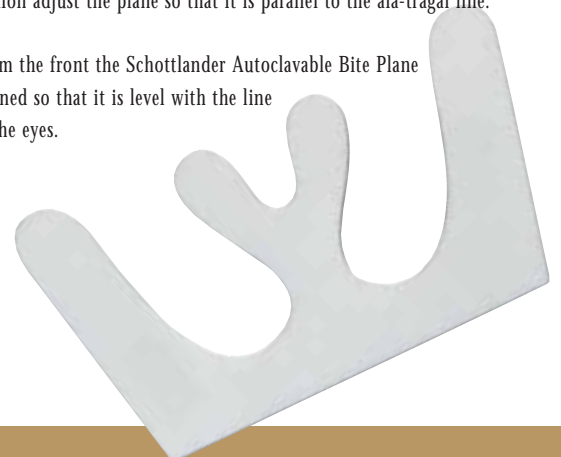
## The Schottlander Autoclavable Bite Plane

The Schottlander Autoclavable Bite Plane is a simple to use instrument for ascertaining the occlusal plane of the teeth into acceptable anatomic and aesthetic positions.

The intraoral part of the Schottlander Bite Plane is placed onto the occlusal surface of the record rim. The extra oral extension can then be used to judge the relationship of the plane to the facial guideline.

The rim is then adjusted so that the occlusal plane is parallel to the inter-pupillary line or is at right angles to the long axis of the patient's face. For the anterior posterior orientation adjust the plane so that it is parallel to the ala-tragal line.

When viewed from the front the Schottlander Autoclavable Bite Plane should be positioned so that it is level with the line of the pupils of the eyes.



## The Schottlander Autoclavable Bite Gauge

The Schottlander Autoclavable Bite Gauge is used to determine and prescribe the correct vertical dimension of new and replacement dentures and to diagnose errors in old dentures.

An adequate freeway space is necessary for prostheses to function properly. The Schottlander Autoclavable Bite Gauge provides a new level of simplicity and accuracy in assessing this. It is used to measure the vertical dimension of the face first with the mandible in its rest position (RVD) then with the teeth in occlusion (OVD). The difference between these two readings is commonly called the freeway space (FWS). By careful adjustments at various clinical stages it is possible to make new dentures with an optimum freeway space. This will assist in the success of the dentures.

When the Schottlander Autoclavable Bite Gauge is used in conjunction with the Schottlander Alma Gauge and the Schottlander Autoclavable Bite Plane a predictable result can be achieved. The Schottlander Autoclavable Bite Gauge allows the freeway space to be determined in two ways. The upper arm of the Schottlander Autoclavable Bite Gauge can be removed and turned around depending on which method is preferred.



Autoclavable and simple to use



### Advantages of the Schottlander Autoclavable Bite Gauge

The Schottlander Autoclavable Bite Gauge combines tried and tested principles of facial height with superior design technology to guarantee pinpoint accuracy and significantly improved ease of use.

- Measuring accuracy reduces error and guesswork.
- Easy-to-read 0 to 100 mm measurement scale on both sides, laser-etched for permanence.
- Easy one hand adjustability.
- Reversible for dot-to-dot or under nose to under chin measurement.
- Strong, durable and lightweight construction.
- Non-rust, non-dirt trapping plastic construction.
- Steam autoclavable to 134°C.

## The Schottlander Alma Alginate Syringe

The Schottlander 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 the mylo-hyoid regions. The Schottlander Alma Alginate Syringe is easy to use and has been designed to assist in the process of taking impressions.



### Advantages of the Schottlander Alma Alginate Syringe

- Angled body face assists in easy loading of the alginate, within normal alginate working time.
- Reduces the retch reflex.
- Easily cleaned between uses with materials steam autoclavable to 134°C, reducing cross infection risk.
- Durable rubber piston and smooth plunger action due to polished inner face.
- Nozzle designed for easy access to all difficult areas delivering the optimum amount of alginate.



In 2004 Schottlander were honoured to receive the Queen's Award for the Enigma and Natura tooth and denture systems.

## Schottlander's Innovation Recognised

The official citation from the Queen's Awards Office read:

"The award to Davis Schottlander & Davis Ltd recognises this company's success in continuously improving a range of teeth and dentures.

The Company has created Enigma and Natura, two ranges of teeth and dentures that not only look more natural but also function better. This has been achieved by using advanced acrylic materials, a wider range of colours and better mechanical design, to give an improved "bite". Options available now take account of the different characteristics of ethnic groups. Continuous innovation in design and professional marketing have enabled this award winner to achieve a substantial share of the market and considerable commercial success whilst providing customers with better looking and performing dentures".

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