The Vertex-Dental Academy is acquiring increasing renown as an institute for education and further training, both nationally and internationally. Given that the process of making a denture consists of various essential parts, it is important that each aspect receives the attention it deserves. After all, the longer the chain of procedures within a process, the more likely unexpected problems become.

## Courses

One of the principles in the Vertex-Dental Academy is the emphasis on fixed procedures. These are the initial requirements for processing high-quality materials in the denture department of a dental laboratory. Our courses therefore stress the how and why of stable polymerisation, keeping them malleable longer and keeping them capable of being casted for a longer period of time.

## Master classes

At first a number of processes which take place in the denture department of a dental laboratory have been defined. These processes have been lead to the following practical master class courses:

- Vertex™ ThermoSens
- To transfer a wax set-up by using a pouring type of acrylic
- Soft base
- High Impact acrylic in implant work
- Using acrylic on frames
- Authentic pressing technique
- Set-up Complete
- Rebasing & repairing including Vertex™ TCA

For more information: info@vertex-dental.com
Vertex-Dental is continuously working on innovations on materials. One of the latest materials that we have developed is Vertex™ ThermoSens. This material is a polyamide and can be used e.g. on patients with a monomer allergy. It can be used for partial dentures or for full dentures. The combinations are numerous. During this course you will make a partial denture and will learn all the tricks and possibilities.

Why Vertex™ ThermoSens?

- Monomer free / non allergic
- Shrinkage < 1%
- Unbreakable characteristics
- Easy to polish and finish
- No dangerous goods
- For all type of dentures

Course topics

The course covers the following steps: preparing the teeth, setting up the partial denture, embedding the denture, cleaning the model and the teeth and finally inject. The following steps are also covered, finishing and polishing.

Purpose

We will demonstrate that this material can be a welcome addition to your current work. If implemented properly you will be able to see all the benefits of Vertex™ ThermoSens.

Meant for

This course is designed for the denture department, the responsible dental technicians and all denturist.

For more information: info@vertex-dental.com
To transfer a wax set-up by using a pouring type of acrylic

Milestones in dental technology are few and far between, but one thing is certain: casting prostheses was revolutionary and is still developing. More and more people are beginning to see the advantages of the system. The Vertex™ casting system produces a well fitting denture without bite elevation, with a perfect, aesthetically pleasing 1 to 1 transfer. The method is clean, fast and applicable in most situations. During this course, you will learn how to convert both complete and partial dentures from wax to acrylic.

Course topics
The course covers the following steps: fixating and checking the wax denture on the plaster model, correct model positioning, filling the Vertex™ Castaflask, removing the wax denture, cutting the channels and repositioning the elements. The following key steps are also covered: correct separation, casting with and processing Vertex™ Castavaria. After polymerisation, the denture is finished, polished and prepared for shipment. All steps that may be part of this process will be examined briefly, thoroughly and above all, clearly. This course will also cover individual oral pigmentation with Vertex™ Acrylic Stain.

Purpose
With this course, Vertex™ wants to demonstrate the significant time savings that can be achieved with this technique. We will also show that it is a clean, simple and accurate way of manufacturing dentures. If implemented properly, this can lead to significant cost savings for a laboratory. After following this course, you will be able to prepare 20 complete dental prostheses (40 flasks) a day.

Meant for
This course is designed for the denture department, the responsible dental technicians and all denturist.

For more information: info@vertex-dental.com
**Soft base**

It is becoming an increasingly common scenario: patients with pain complaints are advised to use a soft base to give the jaw some rest. In response to this development, Vertex-Dental Academy developed a course covering the following method: a soft base under a new denture. This method significantly improves the comfort of the denture for the patient.

<table>
<thead>
<tr>
<th><strong>Course topics</strong></th>
<th>The course covers the following steps: fixating and checking the wax denture on the plaster model, applying Vertex™ Putty to protect the tooth crowns, correct separation, various methods for embedding the denture, pressing and application of a uniform soft base on the denture. After polymerisation, bedding, finishing, polishing and disinfecting the denture will be covered. Each step is crucial, and will be covered in a brief, concise manner during the course.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Purpose</strong></th>
<th>To create a denture composed of various materials, each with its own specific demands – from mixing to processing.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Meant for</strong></th>
<th>This course is designed for the denture department, the responsible dental technicians and all denturists.</th>
</tr>
</thead>
</table>

For more information: info@vertex-dental.com
Implant technology is no longer new and is being applied more and more frequently. One result of this development is the production of combined dentures, the denture mounted on implants or on a rail. Forces in the mouth are large and the chain is only as strong as the weakest link. Fracture is a logical consequence of the enormous forces acting on a cap denture. To address this annoying but well-known and logical situation, Vertex-Dental developed the high-impact material Vertex™ Implacryl.

**Course topics**
The course covers the following steps: fixation and checking of the wax denture on a rail or implant model, blocking a rail and/or matrices, embedding the denture, protecting the teeth with Vertex™ Putty, correct separation and correct pressing with Vertex™ Implacryl. After polymerisation, the denture is finished, polished and prepared for shipment. The steps necessary to create an acrylic denture from a wax denture will be covered clearly and concisely.

**Purpose**
To prevent or minimise breakage and similar problems caused by the lack of space that occurs in combined dentures.

**Meant for**
This course is designed for the denture department, the responsible dental technicians and all denturists.

For more information: info@vertex-dental.com
Using acrylics on frames

Besides full and partial dentures, frame dentures are also common. Every laboratory is different, so the acrylic working aspect of this course is implemented in a number of different ways. Using the Vertex™ Castapress allows the acrylic component to be casted. This acrylic is suitable for identical transfers that remain colour stable in the long term.

**Course topics**

During the course, a frame is processed in various ways. On one frame, the acrylic parts will be done with Putty locks. On another frame denture, gel will be used. The following topics will be covered for the first technique: 1 to 1 application of the Vertex™ Putty on the wax model, replacing the elements in the Putty, separating, casting and processing Vertex™ Castapress. For the second technique, the following topics will be examined: fixating and checking the wax denture on the plaster model, correct model positioning, filling the Vertex™ Castaflask, removing the wax denture, cutting the channels and repositioning the elements. The following key steps are also covered: correct separation, casting with and processing Vertex™ Castapress. After polymerisation, the denture is finished, polished and prepared for shipment. All steps that may be part of this process will be examined briefly, thoroughly and above all, clearly. This course will also cover individual oral pigmentation with Vertex™ Acrylic Stain.

**Purpose**

To learn how to make a frame denture in different ways, with a controlled, predictable end result.

**Meant for**

This course is designed for the denture department, the responsible dental technicians and all denturist.

For more information: info@vertex-dental.com
The pressing technique has been a gold standard in the field for years and remains so to this day. However, this traditional technique still presents processing problems when it comes to manufacturing both complete and partial dentures. At Vertex-Dental, we see this course as a place to exchange ideas and share knowledge, potentially leading to new insights or more efficient methods.

Course topics

The course covers the following steps: fixating the wax model on the plaster model, protecting the tooth crown with Vertex™ Putty, separation, various moulding methods, pressing with Vertex™ Rapid Simplified, polymerisation, finishing and polishing. Individual oral pigmentation with Vertex™ Acrylic Stain is also covered during the course. The reason we do things a certain way and alternative methods are clearly explained for each step. All known issues and solutions that may present themselves will be addressed.

Purpose

To press a denture with a predictable end result and identify and eliminate any problems that may arise in the future.

Meant for

This course is designed for the denture department, the responsible dental technicians and all denturists.

For more information: info@vertex-dental.com
Double cross-linked and a high molecular weight are several well-known characteristics of Vertex™ Quint. To save time and to be more efficient, Vertex-Dental Academy has made a course about set-up technique with Vertex™ Quint teeth. During the course a simple but full set-up will be made with this new line of teeth.

<table>
<thead>
<tr>
<th>Course topics</th>
<th>Plaster model mastery (model analysis), creating base plates, wax setups, modelling, model finishing, modifying the Quint elements, occlusion and articulation, casting or pressing the denture, finishing the denture, remounting the denture, checking occlusion and articulation, grinding Vertex™ Quint elements.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
<td>To introduce Vertex™ Quint elements by creating a denture using Vertex™ products, starting with the foundations (the base plate) and finishing with a completed, polished denture.</td>
</tr>
<tr>
<td>Meant for</td>
<td>The course is primarily designed for people in the denture department who are starting mounting dentures.</td>
</tr>
</tbody>
</table>

For more information: info@vertex-dental.com
Rebasing & repairing including Vertex™ TCA

Repairing and rebasing are daily issues for every laboratory. Both must be done in a fast and precise way. Due to time pressure it is important that those actions are done accurate so the end result is according the wishes of the technician and patient.

Course topics
During the course several repair and rebase acrylics are used according several techniques. Extensions, placing an element, repair a fracture and rebasing a denture is part of this course. Besides the conventional repairing acrylic, acrylics with a fast setting will also be used.

Purpose
The purpose is to repair a fracture, make an extension and rebase a denture with various types of acrylic. Each of those acrylics has their own characteristics from mixing till working.

Meant for
This course is designed for the denture department, the responsible dental technicians and all denturist.

For more information: info@vertex-dental.com