

# Course programme

Further training in the SILADENT system

Model creation

Partial denture  
framework

TEK-1® one-piece  
casting

Crown & bridge  
technique

[www.siladent.com](http://www.siladent.com)

## Table of contents

Foreword	3
Fundamentals of model creation	4
Partial denture framework	5
TEK-1® - the branded one-piece casting using the SILADENT-System	6
Crown & bridge technique	7

# Foreword

## Welcome at SILADENT

Dear reader,

The world of dental technology has seen many changes over the past few years. Although the different CAD-CAM technologies become more and more important the basic knowledge for the conventional traditional manual fabrication techniques are still an essential element of the dental technical expertise.

As manufacturer and supplier of high-quality dental gypsums, duplicating materials, precision investments and non precious alloys we also are effected of the massive technological change and have to continually adjust and develop our portfolio. We already offer various digital milling and 3D printer systems as well as the necessary consumables and we try to find a good balance between our conventional and digital products. Digital doesn't necessarily mean an economical production. In the digital model creation we assume the costs to be 2 to 3 times higher.

In the future we will therefore continue to invest in the analogue market to expand our technological competence and our market position. That is why the development of the technical knowledge in the analogue application spectrum is so important to us. With our here for intended SILADENT course programme we offer you a comprehensive range of training courses all round dental model production and casting techniques as these technologies will also retain their importance in dental technology over the next few years.

Experienced speakers will take the terror out of working with these alloys and show you in theory and practice the precise and stress free processing especially in the areas partial denture frameworks, one-piece casting as well as crown and bridges technique. Due to the quick achieved, good working results you additionally increase the added value in the laboratory.

We also offer a "Fundamentals of model creation" course for trainees, dental technicians and dental assistants. One of the most important steps in making dentures is often unfortunately not considered that important. One of the main sources of errors in making dentures is not handling impressions correctly and creating models which are not accurate. With this course, we show you new ways of making more reliable, precise gypsum models.

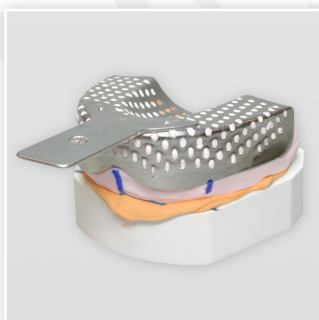
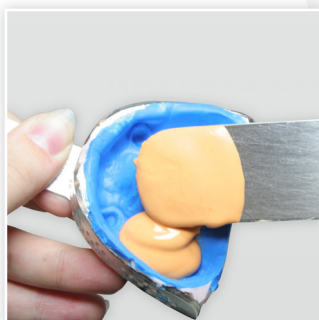
If you have any questions, please do not hesitate to contact us on +49 (0) 53 21 - 377 9 -0 or email us at [info@siladent.de](mailto:info@siladent.de). We will be happy to help you.

With kind regards,  
Markus Rehse

General Manager  
SILADENT Dr. Böhme & Schöps GmbH

# Fundamentals of model creation

## Professional working with dental gypsum.



### Aims:

One of the most important steps in making dentures is often unfortunately not considered that important. The course content, with its basics on working with dental gypsum, and practical working tips, aims to stress just how outstandingly important professional model creation is.

### Contents:

- Fundamentals on dental gypsum
- Gypsum expansion, what is it, why expansion and if so, how much
- 10 important tips when working with gypsum
- Handling specific materials for impressions
- Filling the impression effectively for precise, bubble-free models
- Manufacturing sectioned models using the Profident 2010 system
- Articulating in, how and using which gypsum

### Delegates:

max 8 persons

Trainees, semi-skilled specialists, dental technicians, dental assistants

### Course material:

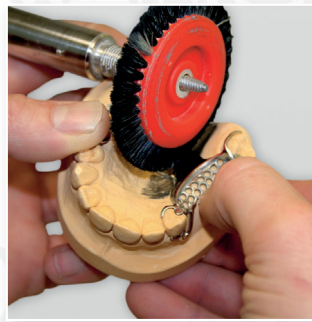
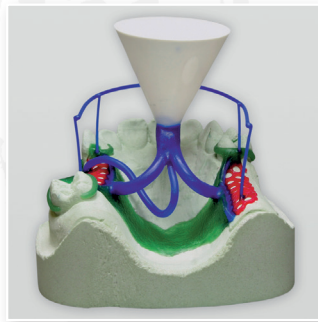
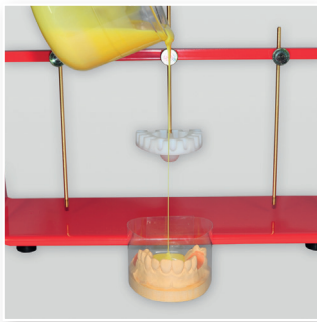
- Safety goggles, working smock
- Gypsum knife

### Duration / Fees:

Course duration: 1 day  
Dates: by arrangement  
Course fees: Speaker's fee per course day for courses at your laboratory plus travel costs and VAT.

# Partial denture framework

## using the SILADENT system



### Aims:

The course introduces delegates to the theoretical and practical basics of partial denture framework using the SILADENT system, enabling any technician to plan, measure and make a clasp partial denture framework.

### Delegates:

max 6 technicians

Dental technicians, model casting beginners and trainees. Basic dental technician knowledge required.

### Contents:

- Different kinds of clasps, and how they are used
- Planning and measuring
- Preparation for duplication
- Duplicating using the SILADENT system
- Creating the wax model, placing the sprues
- Investing and casting
- Fitting and finishing rationally

### Course material:

- Safety goggles, working smock
- Modelling kit
- Pre-fabricated wax sections for model casting
- Grinders and rubber polishers for model cast working

### Duration / Fees:

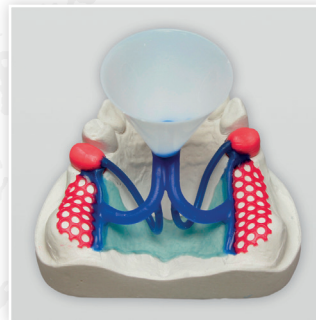
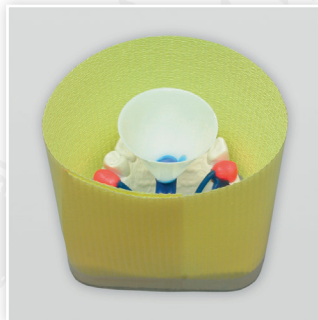
Course duration: 2 days

Dates: by arrangement

Course fees: Speaker's fee per course day for courses at your laboratory plus travel costs and VAT.

# TEK-1

## the branded one-piece casting using the SILADENT system



### Aims:

Making TEK-1® one-piece casting works from non-precious metal alloys. Developing systems, theoretical and practical, for making double crown works by using non-precious metal alloys without stress.

The course models with completed primary crowns will be provided.

### Contents:

- Fundamentals of working with non-precious metal alloys
- Preparing and duplicating using the SILADENT system
- Creating the investment model
- Modelling of the secondary construction
- Placing of the sprues
- Investing and casting
- Fitting, finishing and polishing rationally

### Participants:

max 2 technicians

(After agreement a higher number of participants is possible).

Dental technicians with previous knowledge of double crowns.

Basic knowledge of model casting would be helpful.

### Course material:

- Safety goggles, working smock
- Modelling kit
- Pre-fabricated wax sections for model casting
- Milling machine and rubber polishers for model cast working

### Duration / Fees:

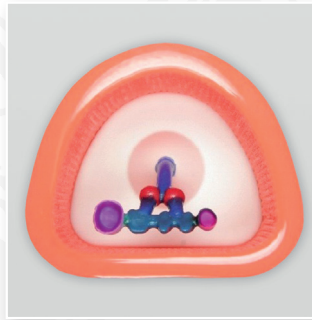
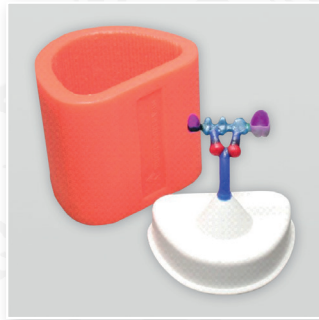
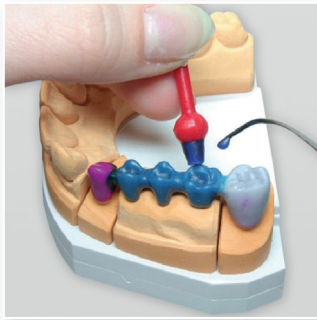
Course duration: 1 day

Dates: by arrangement

Course fees: Speaker's fee per course day for courses at your laboratory plus travel costs and VAT.

# Crown- & bridge technique

## using the SILADENT system



### Aims:

To develop a system for making precisely-fitting crowns and bridges in non-precious metal alloys using the SILADENT system.

### Delegates:

max 6 technicians

Dental technicians with previous knowledge of crowns and bridges.

### Contents:

- Fundamentals of working with non-precious metal alloys
- Manufacturing of a bridge using the wax lift-off technique
- Indirect manufacturing of a bridge on an investment model (optional by arrangement)
- Placing of the sprues using the SILADENT system
- Investing and casting
- Fitting and finishing

### Course material:

- Safety goggles, working smock
- Modelling kit
- Modelling wax,
- Pre-fabricated wax sections for crown and bridge technique
- Grinders for using non-precious metal alloys

### Duration / Fees:

Course duration: 1 day

Dates: by arrangement

Course fees: Speaker's fee per course day for courses at your laboratory plus travel costs and VAT.



**SILADENT Dr. Böhme & Schöps GmbH**  
**Im Klei 26 · DE-38644 Goslar**

**Tel. +49 (0) 53 21 / 37 79 - 0**  
**Fax +49 (0) 53 21 / 38 96 32**

**[info@siladent.de](mailto:info@siladent.de)**  
**[www.siladent.de](http://www.siladent.de)**