

# GENERAL TRAINING AND OCCUPATIONAL STANDARDS FOR DENTAL TECHNOLOGY

## UNIT

DOSAM\_1    Manufacture of work components

### Summary of the unit

This unit focuses on the skills required for the independent execution of all preparatory tasks, such as the assessment of work components, the planning, manufacture and assessment of custom-made **tray** and bite registration materials as well as the positioning of models on the articulators.

**The trainee** shall be aware that the quality of a dental product greatly depends on the quality of the working **model**. During the process, he shall have the opportunity to assess the various impression materials as well as the quality of the imprints and to select and process the relevant model work materials in an appropriate fashion. On the basis of the work material data, he shall be able to estimate and organize the storage, machining and processing of the work materials. For this, he shall pay due attention to the rational use of energy and materials. On the basis of the various imprints, he shall be able to manufacture a model matching the given indications.

**The trainee** shall have a sound knowledge of the anatomy and topography of the mouth cavity. Thanks to this knowledge in anatomy, **materials** and prosthetics, **the trainee** should be able to assess the quality of the manufactured model, to check it for faults, to remedy those faults. ~~and to avoid repeating the same mistakes afterwards.~~

Equally, **the trainee** shall possess the ability to manufacture custom-made **trays** on the basis of anatomical models and in accordance with the anatomical and static requirements. For this **the trainee** shall independently draw the marginal and dorsal ridges and define the recesses for rings, shall recognize the difference between individual impression **trays** for complete dentures and **trays** for restorations and fixed prostheses and shall be trained to process the various tray materials in a ~~the~~ state of the art fashion.

**The trainee** shall possess a sound knowledge of the various methods and possibilities of recording the maxillomandibular relationship and shall have the ability to manufacture and position the relevant registration tools.

# GENERAL TRAINING AND OCCUPATIONAL STANDARDS FOR DENTAL TECHNOLOGY

The **trainee** shall be familiar with the various articulators and their functional range . The **trainee** shall recognize an average model mounting from a skull-related transfer of data, **and** shall position the models on the articulators in accordance with the system's specifications and shall transfer the registration data.

**There are four sections in this unit:**

Dosam\_1.1 Model production

Dosam\_1.2 Individual **trays**

Dosam\_1.3 Bite registration

Dosam\_1.4 Articulation

## ***Certification/ certificate***<sup>1</sup>

- Draft an allocation of tasks
  - o Project work
  - o Presentation of the results
- Develop and adopt assessment criteria

**European logbook to record the training.**

---

<sup>1</sup> To be defined