OTS

DENTAL LABORATORY

CENTRIC TRAY STL KIT

3 sizes | Slide-in impression material supports

1 What is included

The downloadable kit is designed to contain three different centric tray sizes and separate slide-in supports. Select a suitable size for the patient and fit the supports before loading the impression material.



SIZE 1
Small

SIZE 2
Medium

SIZE 3
Large

2 Print the tray and supports

• Select the appropriate tray size and its matching support components from the STL files.

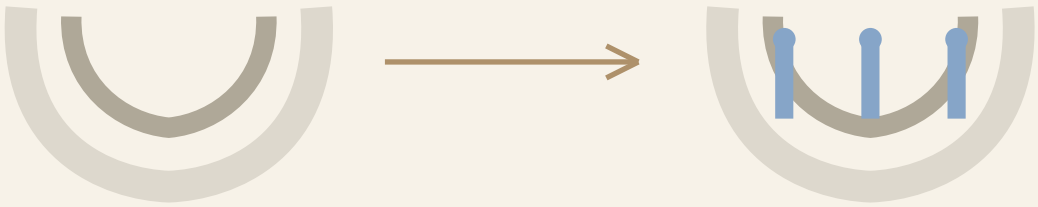
• Use a validated, biocompatible 3D-print resin specifically indicated for intraoral try-in or impression/registration use, as appropriate for the intended contact time. A material sold as "try-in resin" is suitable only if its instructions for use cover this application.

• Follow that resin manufacturer's validated printer settings, orientation, support strategy, cleaning, post-curing and disinfection instructions. Do not use generic model resin for intraoral use.

• After processing, remove printing supports, smooth sharp edges and examine the tray and inserts for cracks, distortion or residual uncured resin.

Important Fit and print accuracy depend on the actual STL geometry and validated resin workflow.

3 Fit the slide-in supports



Tray body

Tray with supports

Slide the matching support pieces into their intended internal slots or guides. Confirm that every insert is fully seated, stable and does not project into areas where it could traumatise soft tissues. The supports are intended to retain and support the registration material.

4 Clinical use

• Try in the assembled tray and check size, comfort, seating and clearance. Adjust only within the material and device design limits.

• Apply the selected, compatible registration/impression material according to its instructions, ensuring the internal supports are engaged.

• Guide the patient into the planned preliminary jaw relationship and record the centric registration. Avoid displacement while the material sets.

• Remove and inspect the record for distortion, voids, movement or inadequate anatomy. Repeat if needed. Disinfect using a process compatible with the printed material.

5 Scanning and digital workflow

Capture upper and lower primary impressions or edentulous records, then digitise the centric tray registration. Maintain identifiable matching surfaces and align the scans in the denture design software. The centric tray establishes an initial relationship; definitive OVD and jaw position must be clinically verified later.

Clinical / regulatory note

Use only validated materials and processes appropriate for intraoral contact. The provider is responsible for patient assessment, fit, cleaning, safety and applicable device requirements.