Bite Rim/Verification Jig

Image courtesy of Inside Dental Technology

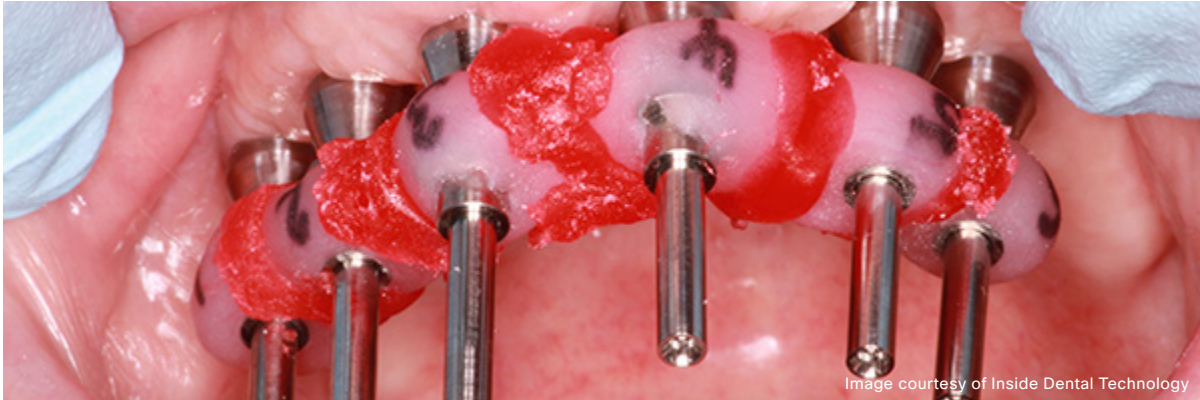## Overview

Bite rims establish vertical dimension and centric relation for complete prosthesis fabrication. Using both allows clinicians and lab techs to collaborate and deliver optimally fitted final dentures and prostheses.

The goal of the **Bite Rim/Verification Jig** workflow is to capture records for a Printed Try-In.
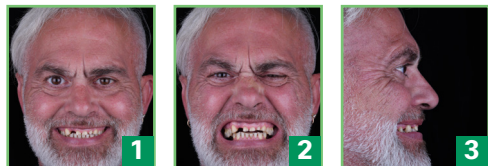
PREREQUISITES

☐ Patient has implants, but very poor or no dentures

TECHNOLOGY & MATERIALS

☐ MUA impression posts

☐ PVS impression material

☐ Acrylic resin (e.g. Stellar, GC Pattern Resin)

PHOTOGRAPHS

☐ Full-face full-smile

☐ Full-face exaggerated smile

☐ *Optional:* Full-face profile smile

| QUICK REFERENCE	
Patient comfort level	★☆☆☆☆
Technology cost	$$$$$
Patient appt's to final	7–8
Workflow simplicity	★★☆☆☆
Allocation of effort (Dr – Staff – Lab)	25% – 5% – 70%
Overall cost (Lab + Parts + Chairside)	$$$$$

Bite Rim/Verification Jig Workflow

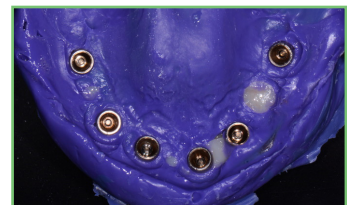1. Take the following photos with the patient standing up:

   · Full-face full-smile

   · Full-face exaggerated smile

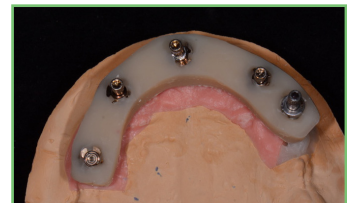   · *Optional:* Full-face profile smile

2. Seat the MUA impression posts passively onto each of the MUAs.
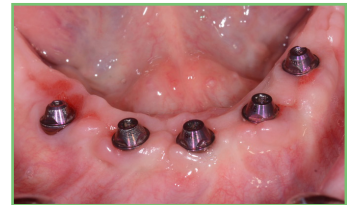
3. Capture an MUA-level PVS impression. Ship the PVS impression(s) to ROE Dental Laboratory.

4. ROE fabricates a model, fit verification jig, and a screw-down bite rim.

5. Seat the fit verification jig. Check for passivity using the 1-screw Sheffield test. Section where the implant sites are not passive. Lute the sections with acrylic resin into a passive position.
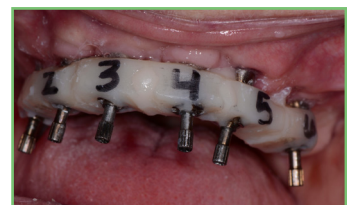
6. Seat the screw-down bite rim. Perform a standard bite record protocol.

7. Capture patient smile photos showing midline and smile line.

8. Send the fit verification jig and screw-down bite rim back to ROE Dental Laboratory.

   Next, ROE will fabricate or provide in-office printing files for the Printed Try-In. The Printed Try-In is a 3D-printed prototype of the final prosthesis.

   Optionally, the doctor can also perform a set-up for try-in. See page 58 for more details.