Grammetry



Overview

The Grammetry[™] system is an IOS-based alternative to photogrammetry. Grammetry allows for simple record capture protocol and offers the ability to fabricate physical models (not available through photogrammetry).

The goal of the **Grammetry** workflow is to capture records for a Printed Try-In.

PREREQUISITES

Patient must have existing denture or prosthesis

TECHNOLOGY & MATERIALS

- Intraoral scanner
- One Grammetry kit per arch
- PVS wash reline material of choice
- If patient has a denture: Healing caps approved for IOS scanning

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	3-4
Workflow simplicity	\star
Allocation of effort (Dr - Staff - Lab)	30% - 20% - 50%
Overall cost (Lab + Parts + Chairside)	\$\$\$\$\$

Grammetry 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. Remove the patient's denture/prosthesis. Seat the scan bodies passively onto each MUA.
- 3. Seat the framework and lute to the scan bodies using acrylic resin (e.g. Stellar).
- 4. Once cured, unscrew the scan bodies and remove from the mouth.
- 5. Scan the top of the framework extraorally, capturing each of the scan bodies. **Tip:** Start your scan in the center of the cured luting and work outwards towards the scan bodies.











Important: Steps 6-9 are for **dentures only**. If your patient has a loaded prosthesis, not a denture, skip steps 6-9 and go directly to step 10.

6. Seat approved healing caps onto the MUAs.

Note: If you are unsure if your healing collars are approved for use with Grammetry, visit our website at www.roedentallab.com/grammetry

- 7. Try in the denture and ensure full seat over the healing collars. Adjust the denture as needed to ensure passive seat.
- 8. Perform a PVS wash capturing the detail of all of the healing collars, with the denture in occlusion. Remove the denture.
- 9. Capture a 360° extraoral scan of the denture with the IOS.
- 10. Scan the tissue and MUAs with your IOS. Nothing should be seated on the MUAs. A PVS impression is also suitable.
- 11. Re-seat the denture or prosthesis. Capture the following IOS scans:
 - Denture only: Teeth and labial flange
 - Opposing
 - Bite









12. Upload all scans 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. See page 58 for more details.



Resources

WEB

Grammetry webpage



VIDEO

What is Grammetry?



Protocol



Grammetry Flyer



Grammetry Facebook Group



Grammetry vs. Photogrammetry



Kit Contents



Records



Patient Case Study





Grammetry Facebook Group

The Grammetry Facebook group is an exclusive online community designed specifically for dental professionals wanting to engage in meaningful discussion, share experiences, and collaborate with colleagues in the field.

From treatment planning and surgical techniques, to prosthetic considerations and patient case studies, you will find a vibrant community eager to share their perspectives, ask questions, and offer valuable feedback.

JOIN TODAY

To join our exclusive Facebook community, simply follow the links below and request to join.

Once your membership is approved, you'll gain access to a world of knowledge, collaboration, and support.

- Discover a wealth of expertise
- Collaborate & network
- Privacy & professionalism
- Engage in discussion





^{URL:} Grammetry Facebook

www.facebook.com/groups/Grammetry