

MicronMapper × Atlantis Suprastructures

Photogrammetry workflow — working guide



What you need

- MicronMapper camera
- MicronMapper photogrammetry scanbodies
- Atlantis IO FLO-S STL file, added into MicronMapper software
- Intraoral scanner (for soft tissue scan)
- *Optional:* IO FLO-S scanbodies

Compatibility

IO FLO-S	Ref.
MultiBase Abutment EV — IO FLO-S A04S	68020034
NobelBiocare MultiUnit Abutment IO FLO-S N01H	68020058
MicronMapper scanbodies	Ref.
950-MM1-SCAN-BDY (Unibody)	

Workflow at a glance

1. Download the Atlantis IO FLO-S STL from Order Digital Solutions.
2. Upload the STL into the MicronMapper software.
1. Capture patient data: MicronMapper photogrammetry images + intraoral scans.
2. Convert the output in MicronMapper to the files needed for the Atlantis order.
3. Align the files.
4. Order — continue with the regular Atlantis Suprastructures procedure.

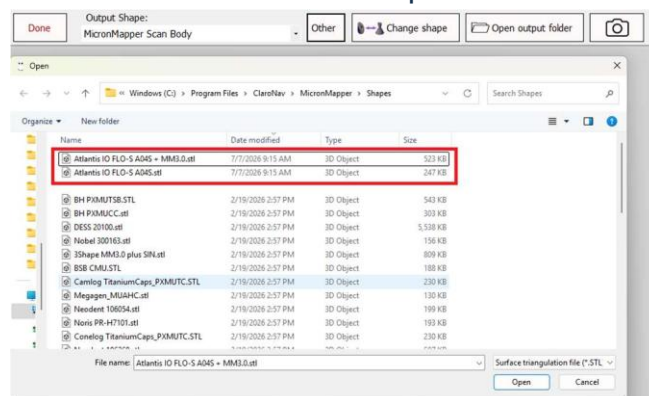
1. Add the IO FLO-S scanbody to MicronMapper

1. Download the IO FLO-S files from the Dentsply Sirona Implants libraries. Both *Atlantis IO FLO-S A04S* and *Atlantis IO FLO-S A04S + MM3.0* are available.

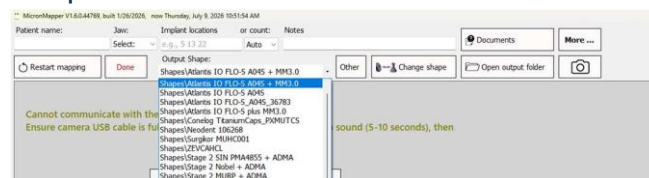
1. Select Other to open the Shapes folder



2. Place the files in the Shapes folder



3. Restart, then pick the shape in Output Shape



2. Capture

- Clinician takes the MicronMapper photogrammetry image with the dedicated scan bodies in place.
- The software detects the scan bodies from the image acquisition and displays them.
- Clinician also takes an intraoral scan with the Intraoral scanner, using MicronMapper scan bodies or another component.
- The intraoral scan is used only for soft tissue alignment for the restorative design — not for implant positions.

3. Convert the output to DS IO FLO-S scanbodies

MicronMapper can switch photogrammetry (PG) scan bodies to a different output shape, aligned to the detected implant locations.

1. Select the output shape type — e.g. DS FLO-S.
2. Confirm the shape in the MicronMapper software.
3. Both the original PG scan body and the updated geometry STL outputs are now available in file explorer.

4. Align MicronMapper output and intraoral scan (by lab or clinician)

The alignment can be done in exocad, 3Shape or software of choice.

- Select points on the scan bodies in each scan to bring both into the same coordinate system; align the scan files to each other and to the diagnostic scan.
- Replace the photogrammetry scan flag with the IO FLO-S from the STL processing step in MicronMapper.
- The alignment is necessary to be able to make the diagnostic teeth set-up.

5. Send files to Atlantis

Upload the required STL files via Atlantis Scan Upload:

- STL of (IO) FLO-S based on photogrammetry-detected implant location
- STL of soft tissue
- STL of diagnostic scan with wax-up
- Antagonist scan (*optional*)

6. Complete the order in Atlantis WebOrder

Fill in the requirements for the BridgeBase case, then send in the case:

1. Cement shoulder
2. Tissue compression
3. Cleaning channels
4. Corefile
5. Implant connections
6. Angulated screw access (if needed)
7. Amount of prosthetic screws

7. Approval and finalisation (Lab)

1. Download the design proposal and review it in the Atlantis Suprastructures Viewer.
2. Approve the design.
3. Download the Corefile (copymill, core, scanjaw, scanteeth, screwchannels) and finalise the secondary structure.

Key points to remember

- The IO FLO-S library files must be in the Shapes folder *and* MicronMapper must be restarted before the shape appears in the dropdown.
- The intraoral scan is for soft tissue alignment only — implant positions come from photogrammetry.
- The scan sent for ordering is the soft tissue scan with FLO-S aligned.