Zeus KAFO Scanning Procedure

Revision Date: 06/15/2026

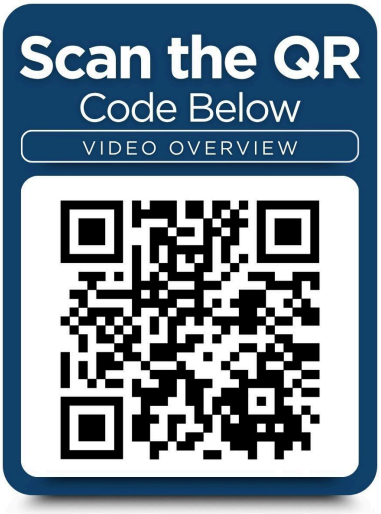
- **Consists of two scans: KO and AFO**
- **The free Icarus Medical App for iPhone can be used to capture patient scans. Other compatible scanning devices may also be used, including TechMed, WillowWood, and Structure scanners.**

Adhering to this scanning procedure ensures optimal fit for a patient's anatomy. Deviations may lead to archived orders. We cannot expedite orders if scan quality is poor, uploads are delayed, or new uploads are not communicated to Icarus Medical.

KO Portion of Scan

STEP 1: REMOVE FOOTWEAR

- Socks are optional.



STEP 2: WEAR SHORTS OR ROLL UP PANT LEG(S)

- The entire leg (top of thigh → foot) must be exposed and free of any clothing folds or wrinkles.
- If possible, roll the pant leg above the upper thigh. Otherwise, wear shorts or undergarments.

STEP 3: POSITION LEG FOR SCANNING

- **Preferred:** Stand upright in a natural, relaxed posture. Position your feet apart, with the leg to be scanned placed slightly forward.
- **Alternative:** Sit upright in a chair. Place the foot of the leg to be scanned on another chair or raised surface, so that the leg is fully extended and parallel to the ground.

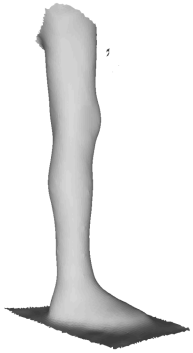
STEP 4: SCAN LEG WITH FRONT FACING CAMERA

- With the Icarus Scanning App, use the front-facing camera for high resolution.
- **The scan must capture 8" above the knee down to the floor, including the back and inside of the leg**.
- For bilateral orders, both legs MUST be scanned individually

STEP 5: REVIEW SCAN & SEND TO ICARUS

- Ensure the entire leg is captured, including the thigh, knee, calf, and foot
- Capture all 360 degrees of the leg — front, back, and both sides
- The point where the foot meets the floor should be clearly visible in the scan
- Other objects appearing in the scan are common. Engineers will remove any unnecessary elements
- Submit scan through the app or email files (STL or OBJ) to Icarus at order@dynamiclabservices.com

GOOD QUALITY SCANS


BAD QUALITY SCANS







AFO Portion of Scan

STEP 1: REMOVE FOOTWEAR

- Socks are optional.
- Tape insoles to the bottom of the foot if they are to be included in the fitment.

STEP 2: ROLL UP PANT LEG(S)

- Roll pant leg above the knee.
    - For bilateral orders, both legs MUST be rolled.
- Leave high socks (mid-calf/knee length) up.

STEP 3: ELEVATE LEG

    - **Preferred:** Kneel on a stable surface with the lower leg unsupported and parallel to the floor.
    - **Alternative:** Sit with the foot free and raised at least 6".
        - If elevating leg 6” is not possible, the foot may be flat on the floor if malleoli-to-floor measurements are provided.

STEP 4: SCAN LEG WITH FRONT FACING CAMERA

- With the Icarus Scanning App, use the front-facing camera for high resolution.
- Individual scanning should position themself at the bottom of the foot and capture everything from the knee down.

STEP 5: REVIEW SCAN & SEND TO ICARUS

- Verify capture of the lower leg, ankle (both malleoli), hindfoot, and forefoot.
- Submit scan through the app or email files (STL or OBJ) to Icarus at order@dynamiclabservices.com
- Scan quality examples below.

GOOD QUALITY SCANS







BAD QUALITY SCANS



"Melting" effect



Missing posterior, heel, and majority of foot



Missing calf