

Frame Fabrication Method - Lab Process

Information Provided By Kevin Orthopedic Institute

Plaster Positive Model Vacuum Formed

Gold standard fabrication process



2% FRAME TO
MODEL VARIATION
TOLERANCE

FOOT IMPRESSION METHODS ACCEPTED

Plaster Slipper Cast, Foam Impression, STS Slipper Sock

FRAME MATERIAL OPTIONS

Polypropylene, Subortholene, Carbon,
TPE, EVA

ADVANTAGES

- Accurate foot model
- Allows variety of frame material options

DISADVANTAGES

- Physical storage
- Can break
- Irreplaceable without new positive model

Creating a positive model is the Kevin Orthopedic standard method for producing molded frames to conform to a patient's feet. Whether Plaster or Foam Impression, pouring plaster into a patient's negative and creating a positive model is the optimal method that allows the lab to observe the foot on a 1:1 scale. The preciseness of pressing a frame, finishing the width of the orthotic, and pad and accommodation placement is greatly improved with a positive model because lab technicians can see every contour, shape and unique relationship from one anatomical segment to the next. If precision is of the utmost importance, the time-tested method of pouring a positive model still provides the best outcome. Because positive models are heavy and occupy a lot of space, Kevin Orthopedic will only store them for 3 months or return the models to the clinic for patient's safe keeping for repeat orders.

