Frame Fabrication Method - Lab Process
Information Provided By Kevin Orthopedic Institute

Plaster Positive Model Vacuum Formed
Gold standard fabrication process

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.