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EXPLANATION OF OUR MOST COMMON TYPES OF FOOT ORTHOSIS CONSTRUCTION



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Name/ Description	Recipe
<p>“Richey 3D”/Semi rigid</p> <p>We developed this semi-rigid device over 20 years ago and it is an excellent device for sports, treating biomechanical foot ailments, and general use. We use this construction for over 90% of our orthoses patients with over 20,000 happy customers, and counting.</p>	<p>Our standard semi-rigid, full or ¾ length, subortholene shell posted in rigid crepe, with pelite top and bottom cover—other top-covers available.</p> <p>The brown and black pelite top-covers allow this device to be used in footbed sandals with removable footbeds.</p> 
<p>“Accommodative”</p> <p>This is the gold standard in accommodating sensitive feet with diabetes, arthritis, etc.</p>	<p>Cork base with polyethylene or Thermal HK stiffener. Choice of three top-covers: Arthritic Trilam, Diabetic Trilam or Plastazote/PPT.</p> 
<p>“2D-Polypropylene”</p> <p>This is the classic functional device long favored by podiatrists and physical therapists.</p>	<p>Rigid ¾ (or full) length orthosis constructed over a polypropylene shell, posted with rigid crepe with sole guard underneath, and top-covered with vinyl.</p> 
<p>“Semi-rigid Cork”</p> <p>This is an accommodative device favored by podiatrists and those who want a leather device.</p>	<p>Subortholene 3mm shell posted with ¼” cork, Leather over PPT, bottom cover black Fuschia.</p> 

<p>“2D-TL Blue (fiberglass)”</p> <p>This is an excellent functional device with the strength of TL-Blue, a fiberglass composite with excellent strength.</p>	<p>Rigid TL Blue shell, posted with rigid crepe with sole guard underneath, and top-covered with Spenco (full or ¾ length).</p> 
<p>“2D-TL 2100/DBX (carbon fiber)”</p> <p>This functional device uses carbon fiber to create the strongest functional device available. However, most people do not require the additional strength (or want the additional cost).</p>	<p>Rigid TL 2100 or DBX shell, posted with rigid crepe with sole guard underneath, and top-covered with Spenco (full or ¾ length).</p> <p><i>Image: Same look as TL-Blue above, but black all over.</i></p>
<p>Toe-filler with arch support (L5000)</p> <p>This is the gold standard in accommodating partial foot amputees, with or without diabetes. This device allows biomechanical control and protection of the amputation site.</p>	<p>Richey 3D construction with attached toe-filler made of crepe and/or cushioned foam. Plastazote/ PPT topcover.</p>  <p>Sometimes a rigid carbon foot plate is added to this device.</p> <p>We recommend that this device be worn along with a rocker sole.</p>

Orthosis Repair Services	Description
Replace the top-cover	We will strip the old top-cover off and replace with a new top-cover and generally clean the entire device. We can provide this service on other lab’s devices as well.
Replace the top-cover and replace the heel post	Same as above, with post refurbishment. <u>Warning—we can really only repost the device accurately if we have the original cast.</u> If not, we will do our best, but cannot guarantee the results.