

ARTech Laboratory, Inc.

Physical Benefits of the Silicone Foot Restoration

Properly designed for the individual's residual foot, the ARTech silicone foot prosthesis/orthosis helps to restore a natural propelling action which can dramatically improve the gait. The restored distal toe-off is especially important when walking upstairs, uphill or downhill.

Low durometer silicones, strategically placed on the surface of the interior socket, to cushion the corresponding sensitive areas on the residual foot, can redistribute pressure to reduce pain, help heal scar tissue, and create a massaging action which promotes circulation. The intimate custom fitting provides the ultimate protection from the shock of sudden impact to the toe area.

Incorporated heel lifts or corrective build-ups in the sole area may improve posture and help correct the stresses on other joints of the leg. Constant pain or pressure caused by an amputation often cause the amputee to limp or to subconsciously lean, even while standing in the relaxed state. The constant lean may cause future back problems.

When the foot prosthesis is custom fitted, custom sculpted and custom pigmented to closely match the lost limb, the patient's confidence and self-esteem are often restored. This "total" restoration often causes the patient to subconsciously forget about the loss and, therefore, the limp. The normalized gait, in turn, can eliminate future related back and hip problems. The overall effect is a more active, and therefore, healthy lifestyle.