

Custom Lead Screw Solutions

Custom Nuts

At Helix, we mold and machine a wide array of lead screw nuts and actuator components from standard polymers such as PEEK, Torlon®, Acetal, Polypropylene, Turcite®, and custom engineered polymers that incorporate fillers like PTFE, PFPE, silicone, carbon fibers, graphite, glass fibers and molybdenum disulfide. Should cost or design constraints require a more integrated package, our engineering staff can help you simplify your design by combining several different components into a molded nut.

Custom Machining

We offer extensive machining services on our lead screws and nuts. Journals, keyways, flats, centers, snap ring grooves and counterbores are common dimensions for us to machine on the ends of lead screws. Simply e-mail us your sketch, drawing, or 3D model and we will provide a quotation in 24 hours.

Custom Screws

At Helix Linear Technologies, we manufacture the most precise lead screws in the world. We have perfected the thread-rolling process over four decades and today offer the widest range of thread rolling capacity globally. We have manufactured hundreds of custom screw diameters and leads for our customers who require a size that is not in our catalog. We are also the experts in thread-rolling non-standard materials and produce screws from titanium, aluminum, high-carbon steel, 300 and 400 series stainless steels, plastics and special chemistry alloys. See chart below for custom screw specifications

Custom Lead Screw Specifications

Diameters	0.125" - 2.5"
Stock Lengths	36", 72", 144"
Material	Carbon Steels Alloy Steels Alloy Heat Treated Steels Stainless Steel Aluminum Titanium Exotic Metals
Class	Centralized General Purpose Modified
Thread Direction	RH LH
Starts	Single Multiple