

## Repair

Thomson has decades of experience in designing and manufacturing ball screws. Our expert engineers and technicians will restore your worn or damaged actuators to original specification, regardless of design or make. Or we can reverse engineer the units to meet new specs. You get:

- Less machine downtime
- Savings of 50-90% compared to new ball screws
- Extended service life
- The same precision as new

### Service

We know how downtime shuts down production. We are geared to keeping your machines up and running smoothly.

We will:

- Inspect and provide a quotation with fast turnaround
- Provide "like new" one-year warranty on all rebuilt assemblies
- Save you money versus the cost of a new ball screw

### Experience

With many years in the ball screw business, our engineers, metallurgists, production specialists and customer service representatives give you the industry's most reliable reconditioning service.

We will check returned units for:

- Straightness
- Ball groove form
- Lead accuracy
- Drunkenness
- Wear
- Metal fatigue
- End machining concentricity, damaged V-threads and worn or damaged bearing and seal journals
- Condition of ball return components
- Condition of wipers and stops
- Condition of flange or housing mounting surfaces

### Capability

We can then:

- Rebuild internal and external assemblies
- Machine and grind ball screws and nuts
- Eutectic build-up of undersized, scored or damaged bearing journals.
- In-house heat-treating, if required
- Plating capability to ASTM or MIL SPECS
- Upgraded wiper technology

### Results

We can chart and document inspection and test results of rebuilt units with:

- Backlash and torque readouts
- Zeiss coordinate measurement system to check ball nut drunkenness
- CAD with Finite Element Analysis capability
- Full metallurgical lab for materials analysis

Then we return the assembly, inspection results and recommended application guidelines, for long service life.

Our commitment to ball screw reconditioning is one more reason why Thomson is the industry leader in linear actuator technology. If you need expert assistance with ball screw repair, contact our customer service department at 1-800-554-8466.