

TolomaticTM
EXCELLENCE IN MOTION

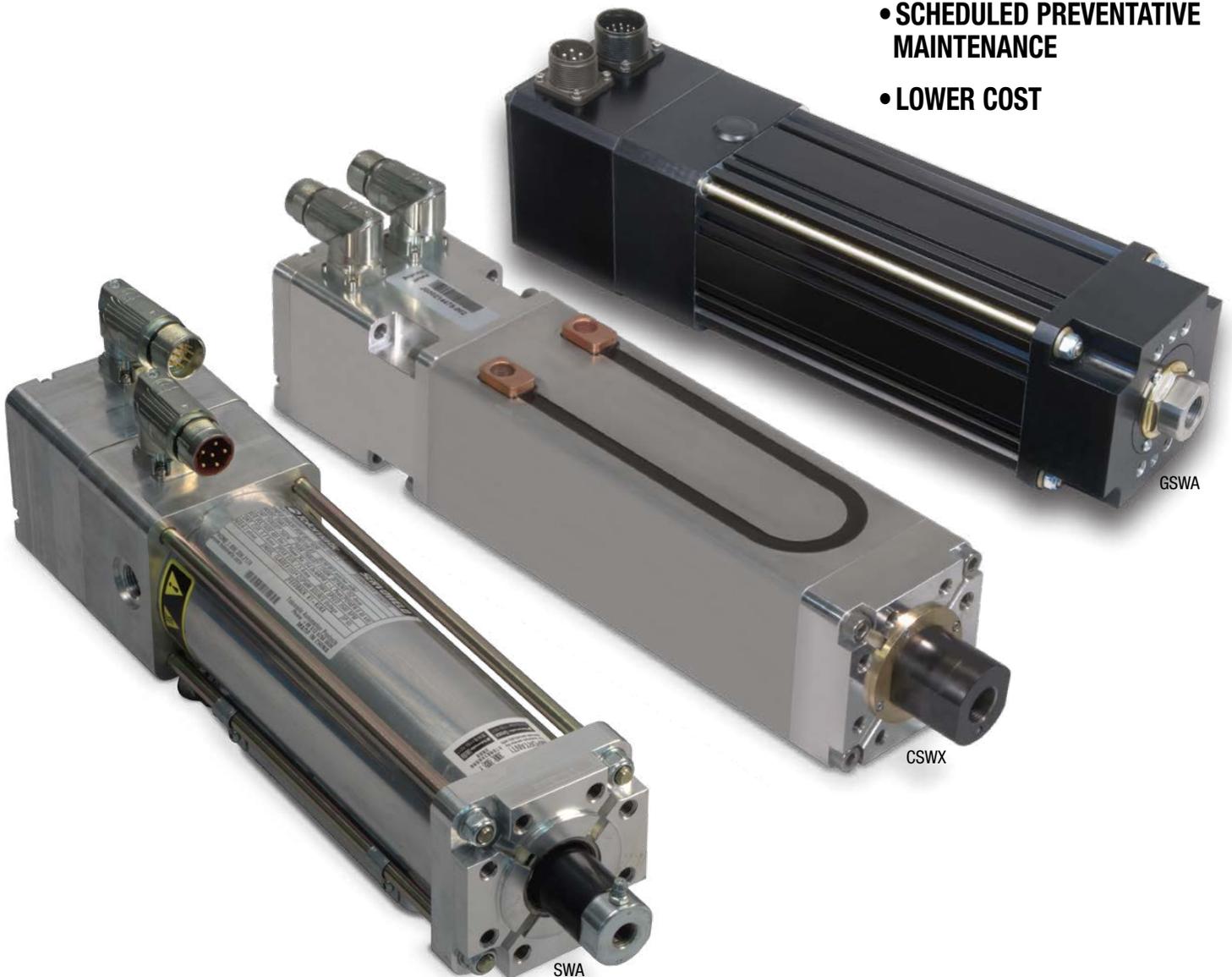


ServoWeldTM

REFURBISHMENT & REMANUFACTURING SERVICES

BENEFITS:

- OPTIMIZED SERVICE LIFE
- FACTORY DIRECT SERVICE
- SCHEDULED PREVENTATIVE MAINTENANCE
- LOWER COST



MAXIMUM DURABILITY

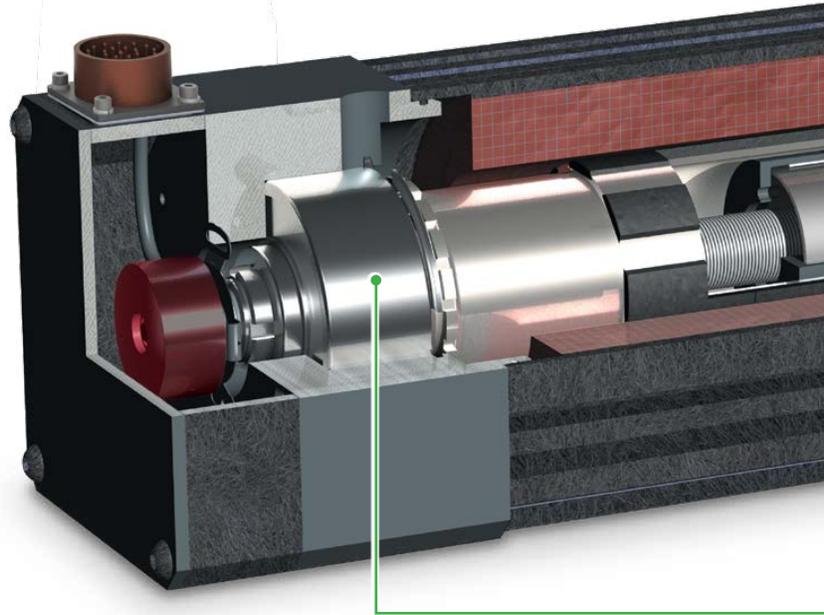
REFURBISHMENT SERVICE

- 1: REPLACE THRUST ROD
- 2: REPLACE WIPER/SCRAPER COMPONENTS
- 3: VISUALLY INSPECT FOR ADDITIONAL WORN OR BROKEN COMPONENTS
- 4: CLEAN ROLLER SCREW/NUT ASSEMBLY
- 5: LUBRICATE ROLLER SCREW/NUT ASSEMBLY
- 6: ACTUATOR RE-ASSEMBLY
- 7: FUNCTIONAL TEST

3: ACTUATOR IS VISUALLY INSPECTED FOR WORN OR BROKEN COMPONENTS

4: CLEAN ROLLER SCREW/NUT ASSEMBLY

5: LUBRICATE ROLLER SCREW/NUT ASSEMBLY
 • Factory original lubrication, same as used in new actuators



6: ACTUATOR RE-ASSEMBLY

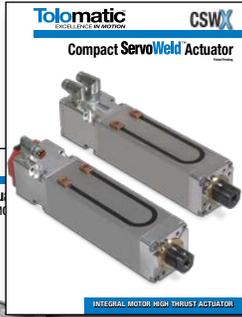
7: FUNCTIONAL TEST

- Refurbished and remanufactured ServoWeld actuators must pass the same testing and validation as new ServoWeld actuators

NOTE: Any additional components that need to be replaced will be an additional charge. (e.g. broken connectors, missing rod ends, etc.)



GSWA Brochure



CSWX Brochure

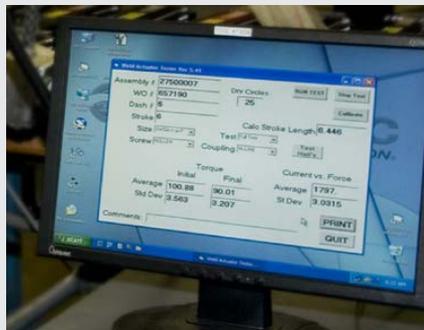


SWA Brochure

CONTACT TOLOMATIC FOR AN RMA (RETURN MATERIAL

Complete Verification Testing is Performed on Each Actuator

Properly applied, every new and remanufactured ServoWeld actuator shipped will provide millions of cycles of maintenance free performance.



Testing parameter results in progress for the Functional Test procedure.

We verify the performance of each new, refurbished or remanufactured actuator before delivery to ensure they conform to Tolomatic's high standard of performance.

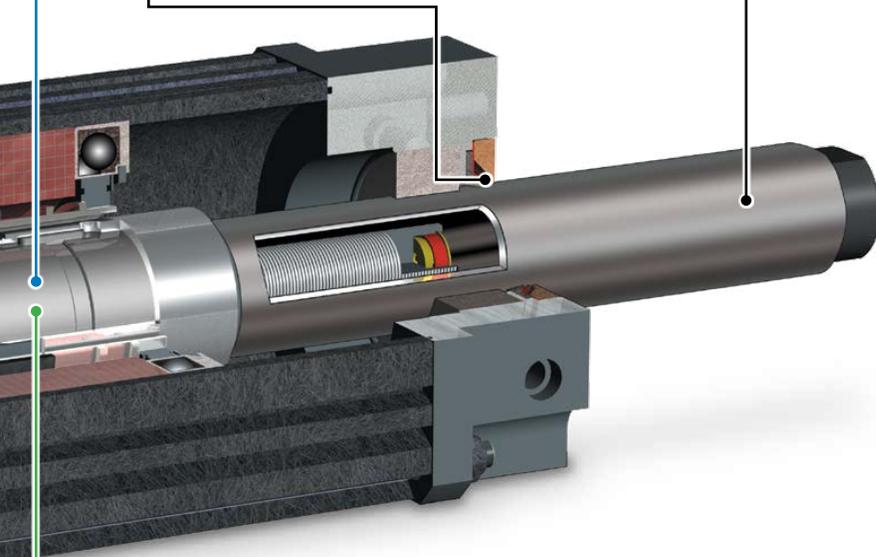
A. High POT (High Potential/High Voltage Test)

This standard electric motor test procedure is a 3-part test that checks the insulation system of the assembly to verify proper armature and thermal wire insulation.

1: REPLACE THRUST ROD

2: REPLACE WIPER/SCRAPER COMPONENTS

- Replacement of these interacting components prevents contaminants from entering the actuator for extended service life



REMANUFACTURING SERVICE

- 1: REPLACE THRUST ROD**
- 2: REPLACE WIPER/SCRAPER COMPONENTS**
- 3: VISUALLY INSPECT FOR ADDITIONAL WORN OR BROKEN COMPONENTS**

- 4: REPLACE ROLLER SCREW / NUT ASSEMBLY**
- 5: REPLACE MAIN BEARING**

- 6. ACTUATOR RE-ASSEMBLY**
- 7. FUNCTIONAL TEST**

WARRANTY:

1 year from date of shipment

4: ⚠ REPLACE ROLLER SCREW / NUT ASSEMBLY

5: ⚠ REPLACE MAIN BEARING

- These interacting components are critical to create thrust and maintain high force repeatability. The main bearing and roller screw/nut assembly work together for optimal actuator performance. Some damage cannot be determined visually so replacing all three ensures continued reliable service.

⚠ These are critical load bearing components

NOTE: Any additional components that need to be replaced will be an additional charge. (e.g. broken connectors, missing rod ends, etc.)

AUTHORIZATION) BEFORE SHIPPING ANY ACTUATOR

B. Functional Testing

Performed with Tolomatic motion control components and dedicated data acquisition equipment. This test quantifies these parameters - stroke length, torque under no load, input current vs average force, input current vs force standard deviation - using an electronic load cell in conjunction with data acquisition equipment.

C. Electronic phasing of ServoWeld actuator and feedback device (Encoder, Resolver, Feedback Device)

Using a fixed current and a specially designed fixture the feedback device is physically and electronically aligned relative to the phasing of the ServoWeld motor.

D. Tolomatic System Test

Using a single-axis control unit the test ensures that the feedback device is properly aligned with the poles of the ServoWeld motor.

The Tolomatic Difference Expect More From the Industry Leader:



INNOVATIVE PRODUCTS

Unique linear actuator solutions with Endurance TechnologySM to solve your challenging application requirements.



FAST DELIVERY

The fastest delivery of catalog products... Built-to-order with configurable stroke lengths and flexible mounting options.



ACTUATOR SIZING

Online sizing that is easy to use, accurate and always up-to-date. Find a Tolomatic electric actuator to meet your requirements.



YOUR MOTOR HERE

Match your motor with compatible mounting plates that ship with any Tolomatic electric actuator.



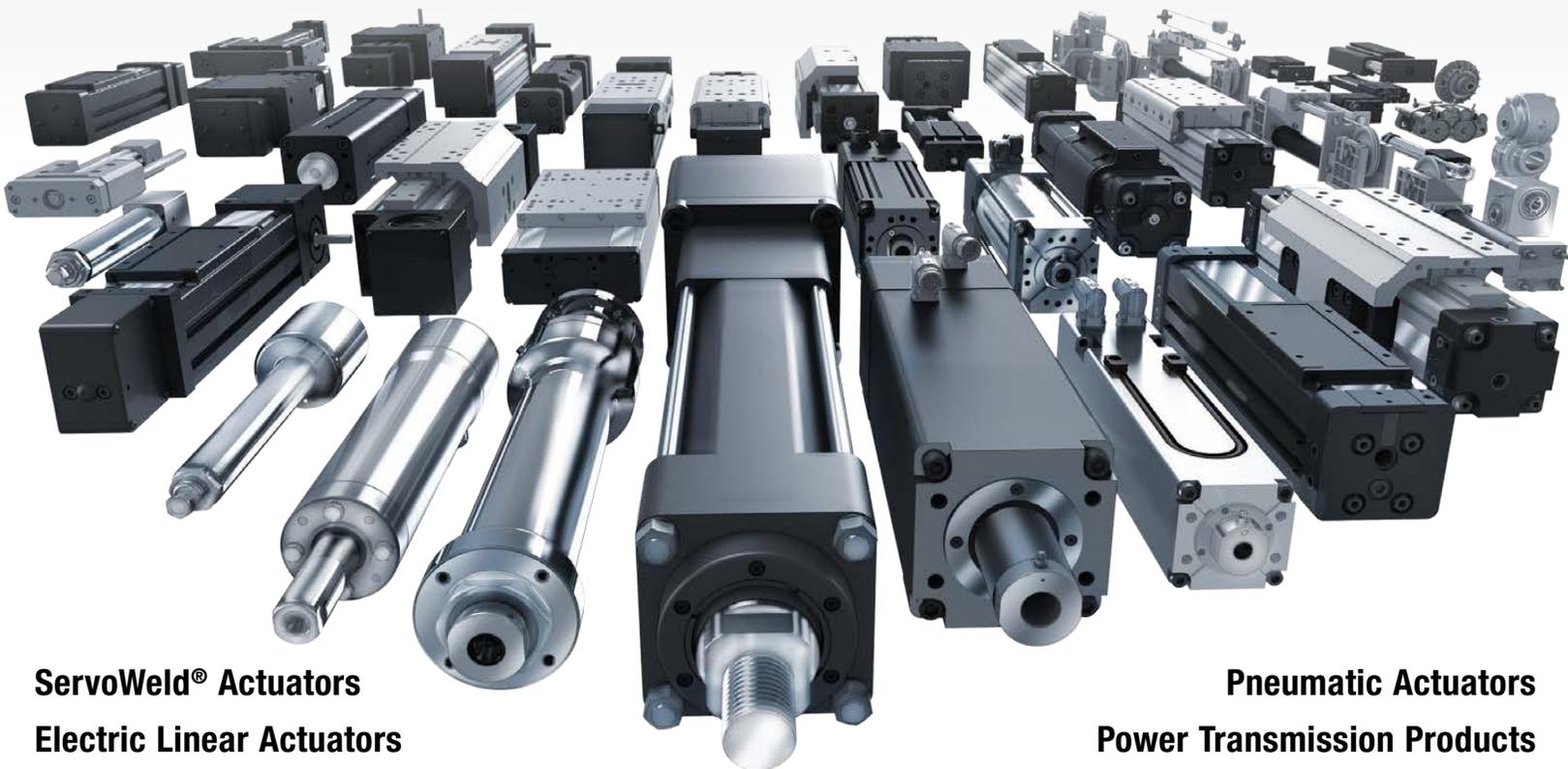
LIBRARY

Easy to access CAD files available in the most popular formats to place directly into your assembly.



TECHNICAL SUPPORT

Extensive motion control knowledge: Expect prompt, courteous replies to any application and product questions from Tolomatic's industry experts.



ServoWeld[®] Actuators
Electric Linear Actuators

Pneumatic Actuators
Power Transmission Products

TolomaticTM

EXCELLENCE *IN MOTION*

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QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =
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