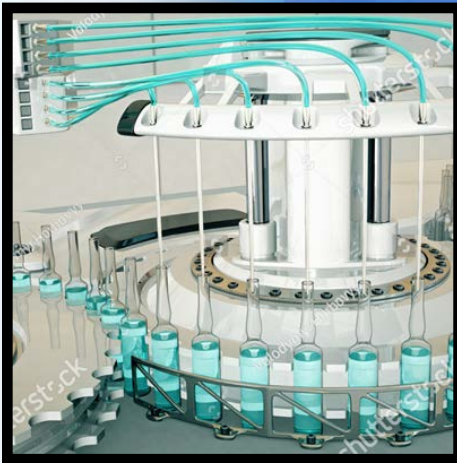


## LIFE SCIENCES LINEAR ACTUATORS





## Tolo Quality = Total Quality



- State-of-the-Art inspection equipment
- Tolomatic is ISO 9001:2015 certified
- Strong quality culture & processes
- Future certification: ISO 13485



## Broad Catalog & Capability



- Electric rod-style & rodless actuators
- Pneumatic rodless actuators
- Standard products: stroke & option configurable
- Modified and customized products available

## Industry best lead times



- Multiple production shifts
- In-house machining & plating

**Fast delivery • Built-to-Order**

## Known for our Customer Service



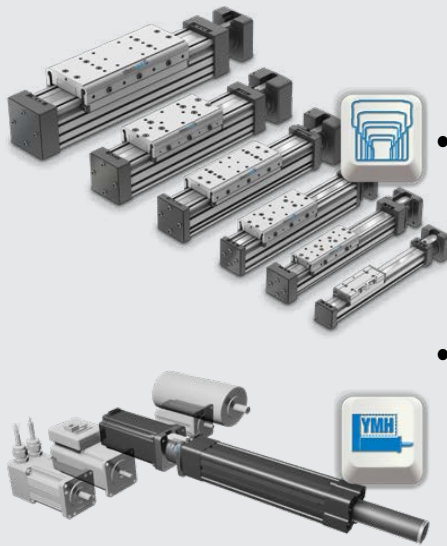
Helpful, professional and friendly.

## State-of-the-Art Manufacturing Facility

- 100,000 sq. ft. (9 290 sq m)
- Minnesota, USA
- Design, Manufacturing, & Assembly
- Since 1954

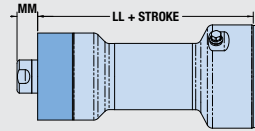


## Flexible Catalog Product Lines

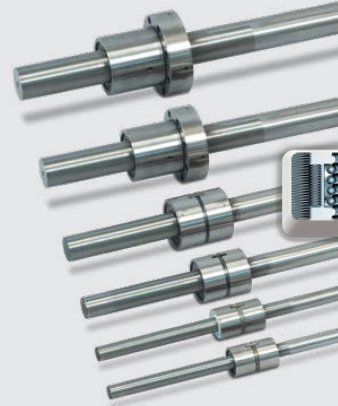


- Many sizes

- Flexible options:
  - Rod ends,
  - Actuator mounting,
  - Sensors,
  - Seals,
  - Your Motor Here, etc.



- Stroke configurable



- Multiple different screw and belt driven offerings

## Collaborative Engineering



- Flexibility to co-design



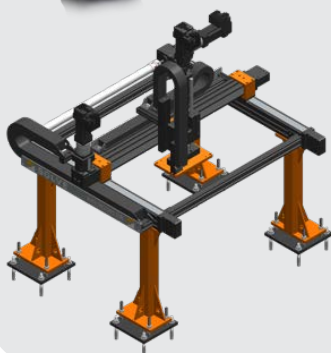
- On-line sizing software



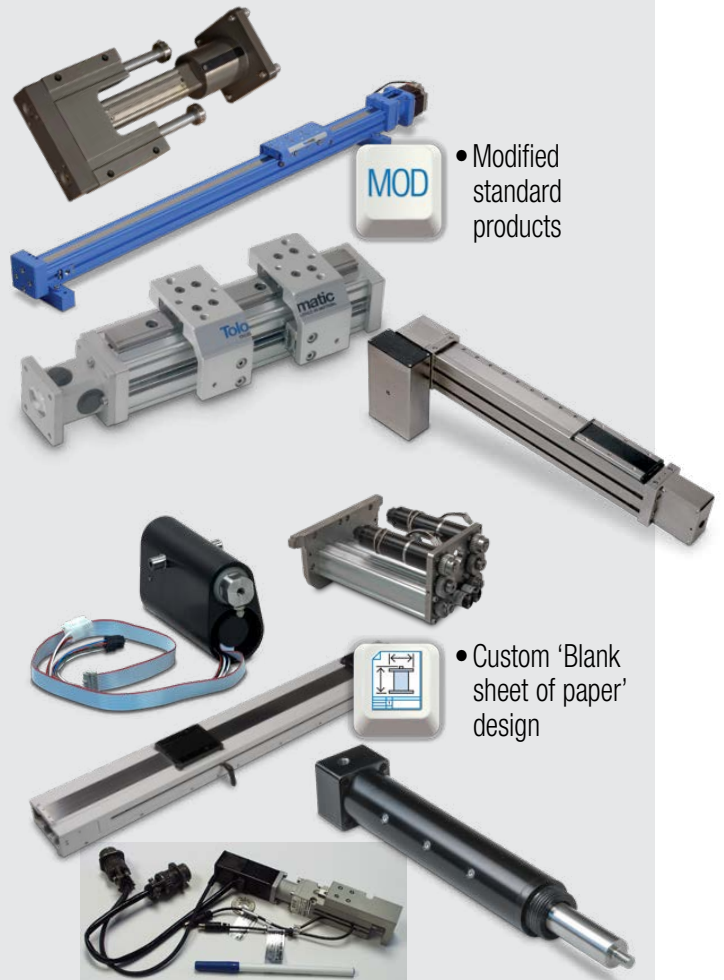
- 3-D CAD drawings on-line



- Value added services (subassembly) to simplify BOM's for OEM's/ machine builders



## Tailored Solutions



- Modified standard products



- Custom 'Blank sheet of paper' design



# DECADES OF TOLOMATIC LIFE SCIENCES



## CATHETER COATING

**Challenge:** Apply uniform coating to a variety of length and diameter catheters

**Product Used:** Custom Electric Rodless Screw-Drive Actuator



## PROCEDURE EQUIPMENT

**Challenge:** Regulate contrast injector flow precisely to ensure successful procedures.

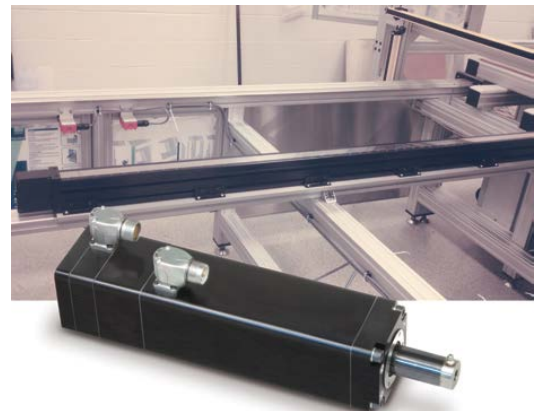
**Product Used:** Custom Electric Rod-Style Screw-Drive Actuator



## BLOW/FILL/SEAL MACHINERY

**Challenge:** Precision aseptic liquid dispensing combined with blow mold technology.

**Product Used:** Custom Electric Rod-Style Screw-Drive Actuator



## ULTRASONIC WELDING GANTRY SYSTEM

**Challenge:** Applying ultrasonic welds to large medical waste bags

**Product Used:** B3W Rodless Belt-Drive Actuator and IMA Integrated Servo Rod-Style Actuators



# AND MEDICAL APPLICATIONS



Life Science  
Success Stories



## PHARMACEUTICAL MANUFACTURING

**Challenge:** Operation of door/gate to separate vials prior to sealing.

**Product Used:** IMAS Integrated Servo Electric Linear Rod-Style Actuators



## FLUID INJECTION

**Challenge:** Fluid injection machine required very precise, consistent movement (speed & thrust) to meter injection of fluid.

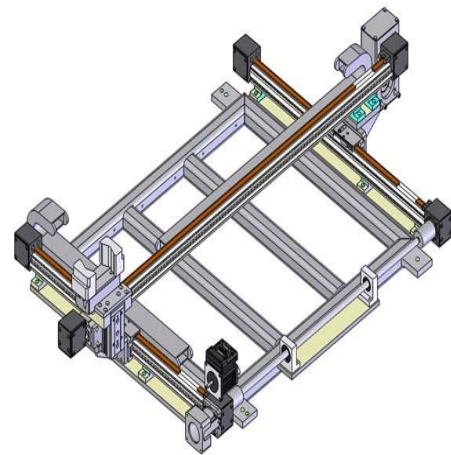
**Product Used:** RSA12 Electric Rod-Style Screw-Drive Actuator



## PPE (MASK) MANUFACTURING

**Challenge:** Create a new generation mask-making machine based on the automated workcell concept to improve efficiency, quality and throughput.

**Product Used:** B3W Rodless Actuators & GSA Guided Rod-Style Actuators



## PILL SORTER

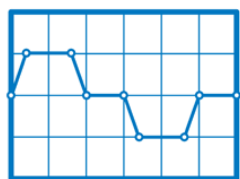
**Challenge:** Automatic pill sorting gantry for large retailers.

**Product Used:** MXB-P Heavy-Duty Linear Rodless Actuator



# DESIGN COLLABORATION CAPABILITIES

*Engineers trust Tolomatic from design to production*



**ACTUATOR  
SIZING**



**CAD  
LIBRARY**



**YOUR MOTOR  
HERE®**

***Useful Online  
Design Tools***



**CONTACT AN  
ENGINEER**



**EDUCATIONAL  
RESOURCES**

## **Your challenge . . .**

Our broad array of products fix problems every day in the medical field. But if existing actuators don't exactly meet your unique challenge our engineering staff can design an actuator that does.

## **Let's solve it together**

Our greatest successes happen when we engage closely with customer's engineers refining or creating entirely new actuators. Refining product requirements per customer needs is in our DNA at Tolomatic..



# START DESIGNING YOUR SOLUTION

*We offer 3 different levels of design options to find the right fit for your new medical product.*

*Work directly with our engineering team to see options and evaluate pro's and con's.*

## Level 1 Designs; Standard

- Standard product and standard options
- On-line Sizing Software
- "Your Motor Here" flexibility
- 3-D on-line CAD files available

*Can't find what you need for this design...?*

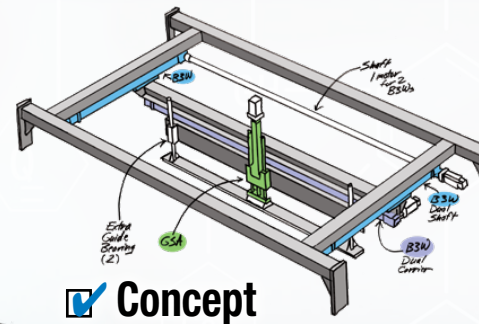
## Level 2 Designs; Modified

- Modifying standard products or non-catalog options
- Engineering discussions with Tolomatic
- Factory provided quotes & pricing
- Lab testing on actuator performance (component only)
- Factory provided drawings

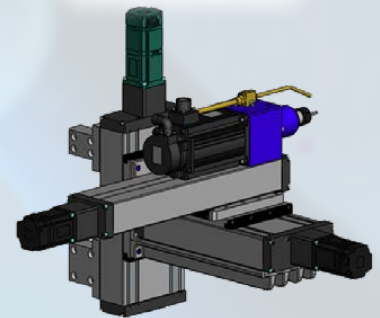
*STILL can't find what you need for this design...?*

## Level 3 Designs; Customized

- Custom designs (white sheet of paper)
- Design engineering and development costs may apply
- Only done for larger volumes
- Factory acceptance testing of actuator



✓ **Engineering Collaboration**



✓ **Flexible Designs**





# The Tolomatic Difference Expect More From the Industry Leader:



## INNOVATIVE PRODUCTS

Solutions with Endurance Technology<sup>SM</sup> for challenging applications.



## FAST DELIVERY

Built-to-order with configurable stroke lengths and flexible mounting options.



## ACTUATOR SIZING

Size and select electric actuators with our online software.



## YOUR MOTOR HERE<sup>®</sup>

Match your motor to compatible mounting plates with Tolomatic actuators.



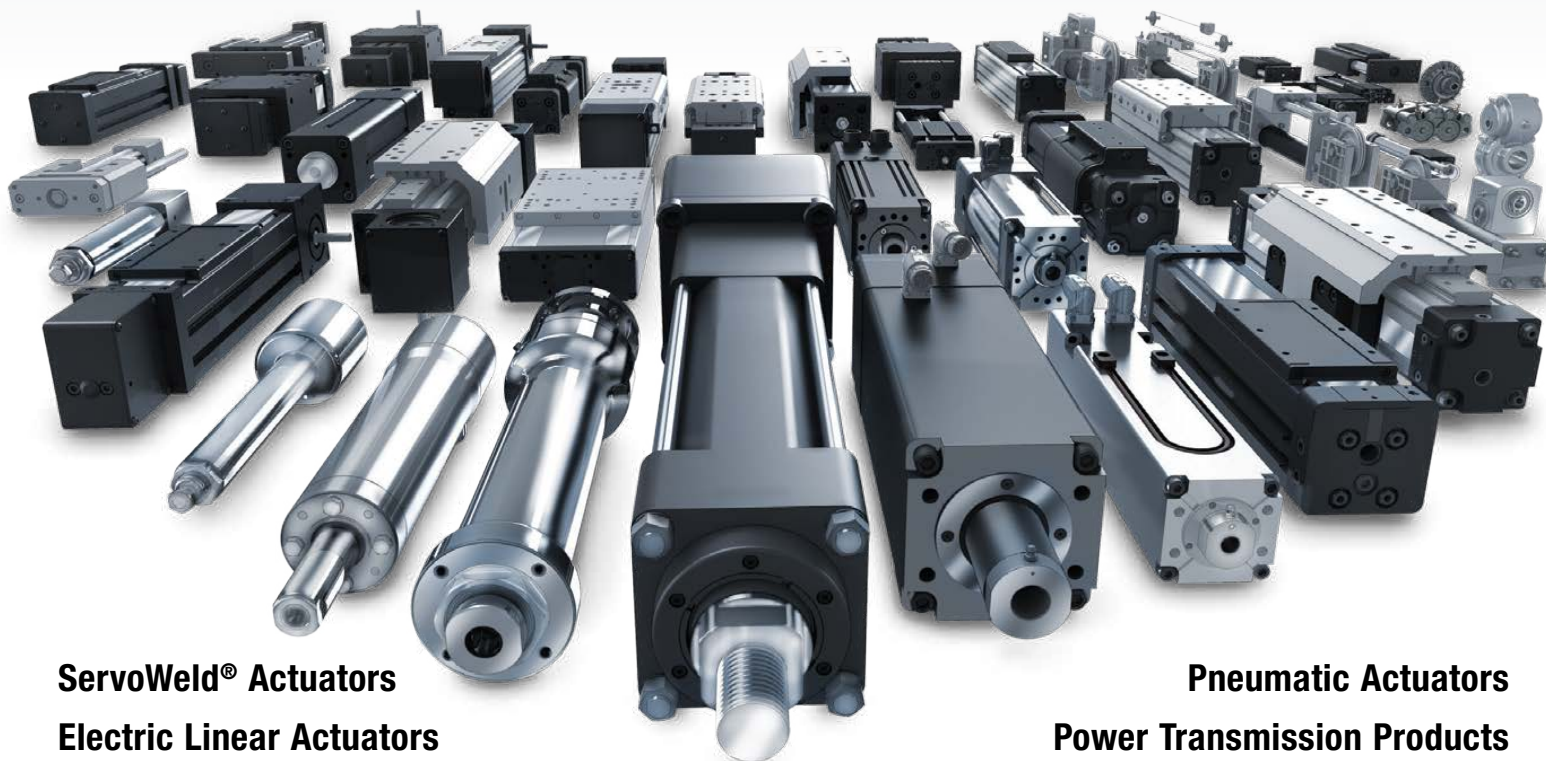
## CAD LIBRARY

Download 2D or 3D CAD files for Tolomatic products.



## TECHNICAL SUPPORT

Get a question answered or request a virtual design consultation with one of our engineers.



## ServoWeld<sup>®</sup> Actuators

## Electric Linear Actuators

## Pneumatic Actuators

## Power Transmission Products



MADE IN U.S.A.

# Tolomatic<sup>TM</sup>

EXCELLENCE IN MOTION

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV  
= ISO 9001 =  
Certified site: Hamel, MN

### USA - Headquarters

#### Tolomatic Inc.

3800 County Road 116  
Hamel, MN 55340, USA

**Phone:** (763) 478-8000

Toll-Free: **1-800-328-2174**

[sales@tolomatic.com](mailto:sales@tolomatic.com)

[www.tolomatic.com](http://www.tolomatic.com)

### MEXICO

#### Centro de Servicio

Parque Tecnológico Innovación  
Int. 23, Lateral Estatal 431,  
Santiago de Querétaro,  
El Marqués, México, C.P. 76246

**Phone:** +1 (763) 478-8000

[help@tolomatic.com](mailto:help@tolomatic.com)

### EUROPE

#### Tolomatic Europe GmbH

Elisabethenstr. 20  
65428 Rüsselsheim  
Germany

**Phone:** +49 6142 17604-0

[help@tolomatic.eu](mailto:help@tolomatic.eu)

[www.tolomatic.com/de-de](http://www.tolomatic.com/de-de)

### CHINA

#### Tolomatic Automation Products (Suzhou) Co. Ltd.

No. 60 Chuangye Street, Building 2  
Huqiu District, SND Suzhou  
Jiangsu 215011 - P.R. China

**Phone:** +86 (512) 6750-8506

[Tolomatic\\_China@tolomatic.com](mailto:Tolomatic_China@tolomatic.com)

All brand and product names are trademarks or registered trademarks of their respective owners. Information in this document is believed accurate at time of printing. However, Tolomatic assumes no responsibility for its use or for any errors

that may appear in this document. Tolomatic reserves the right to change the design or operation of the equipment described herein and any associated motion products without notice. Information in this document is subject to change without notice.

Visit [www.tolomatic.com](http://www.tolomatic.com) for the most up-to-date technical information