

# STEVEN

---

## ENGINEERING

### MOTION

- Multi-Axis and Custom Electro-Mechanical Systems
- Servo/Step Motors, Drives and Controls
- Electric Cylinders
- Linear and Rotary Actuators and Precision Stages
- Precision Gears and Power Transmission
- Components and Motion Accessories



## Multi-Axis and Custom Electro-Mechanical Systems

- Precision or rolled ball screw, lead screw, belt, and direct driven
- Guided by single or dual, plain, ball, or roller linear bearings
- PLC, PC, standalone, and/or networked controlled
- Servo, stepper, hybrid, or linear motor powered
- Off-the-shelf or customer specific solutions
- Clean to extreme environments



2 to 2000 axes of motion  
3 micron to 0.003" standard, sub-micron special  
Envelopes 10' x 20' x 3' readily available, unlimited possible

**MOOG**  
ANIMATICS

**NSK**

**LinMot®**

**Schneider**  
Electric

## Servo/Step Motors, Drives and Controls

- Integrated motors or separate motors, drives and controls
- Standard or custom AC, DC, brushless motor controls
- Incremental, absolute, rotary, linear feedback
- Choice of industrial automation network
- Rotary, linear, and direct drive motors

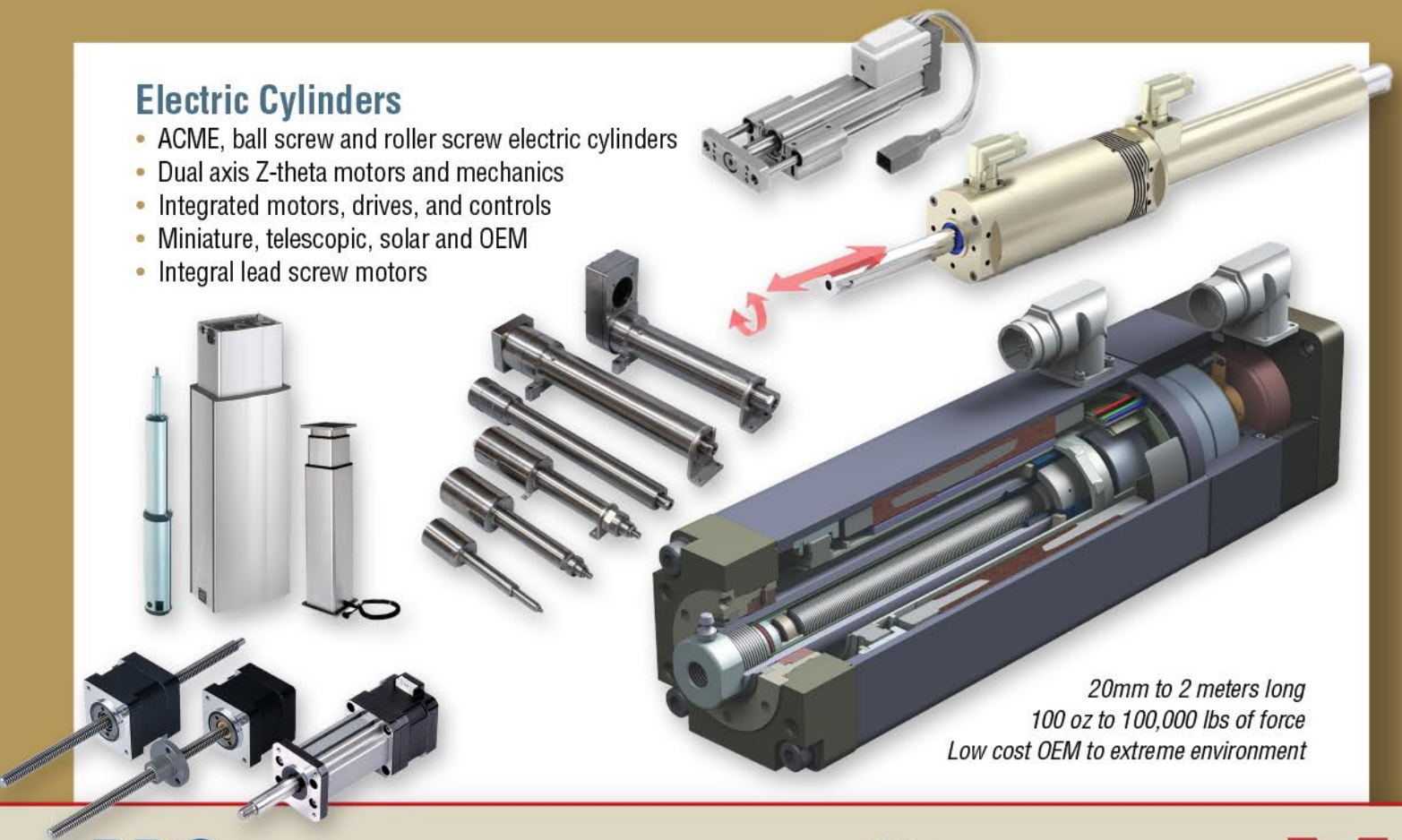


12 mm to 12" frame sizes  
200 to 2 million steps per revolution  
100mA to 100Amps; 12V DC to 480V AC systems



## Electric Cylinders

- ACME, ball screw and roller screw electric cylinders
- Dual axis Z-theta motors and mechanics
- Integrated motors, drives, and controls
- Miniature, telescopic, solar and OEM
- Integral lead screw motors



20mm to 2 meters long  
100 oz to 100,000 lbs of force  
Low cost OEM to extreme environment

**PBC**  
**LINEAR**  
A PACIFIC BEARING CO.

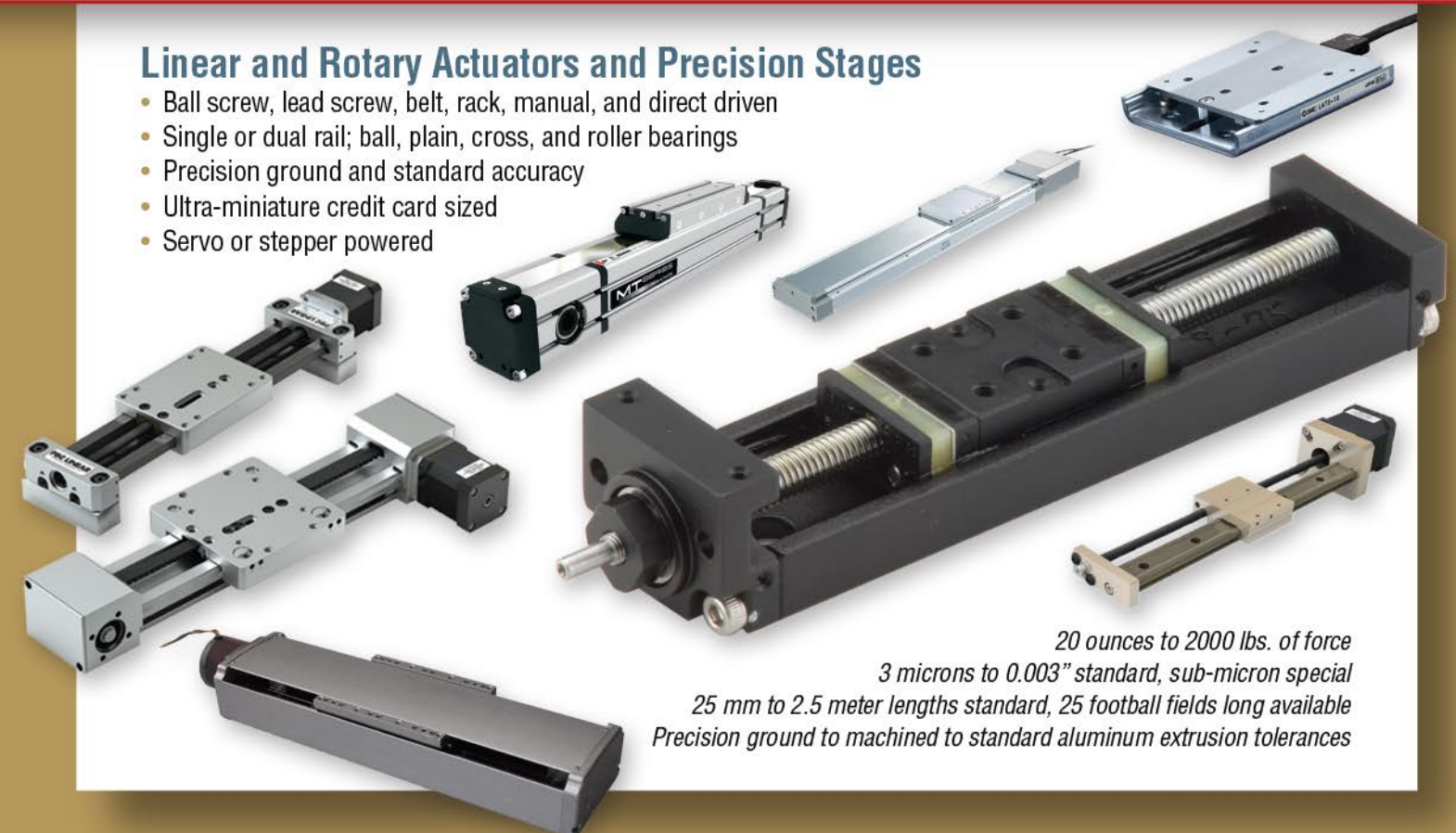
**Tolomatic**  
EXCELLENCE IN MOTION®

**SMC**

**MACRON**

## Linear and Rotary Actuators and Precision Stages

- Ball screw, lead screw, belt, rack, manual, and direct driven
- Single or dual rail; ball, plain, cross, and roller bearings
- Precision ground and standard accuracy
- Ultra-miniature credit card sized
- Servo or stepper powered

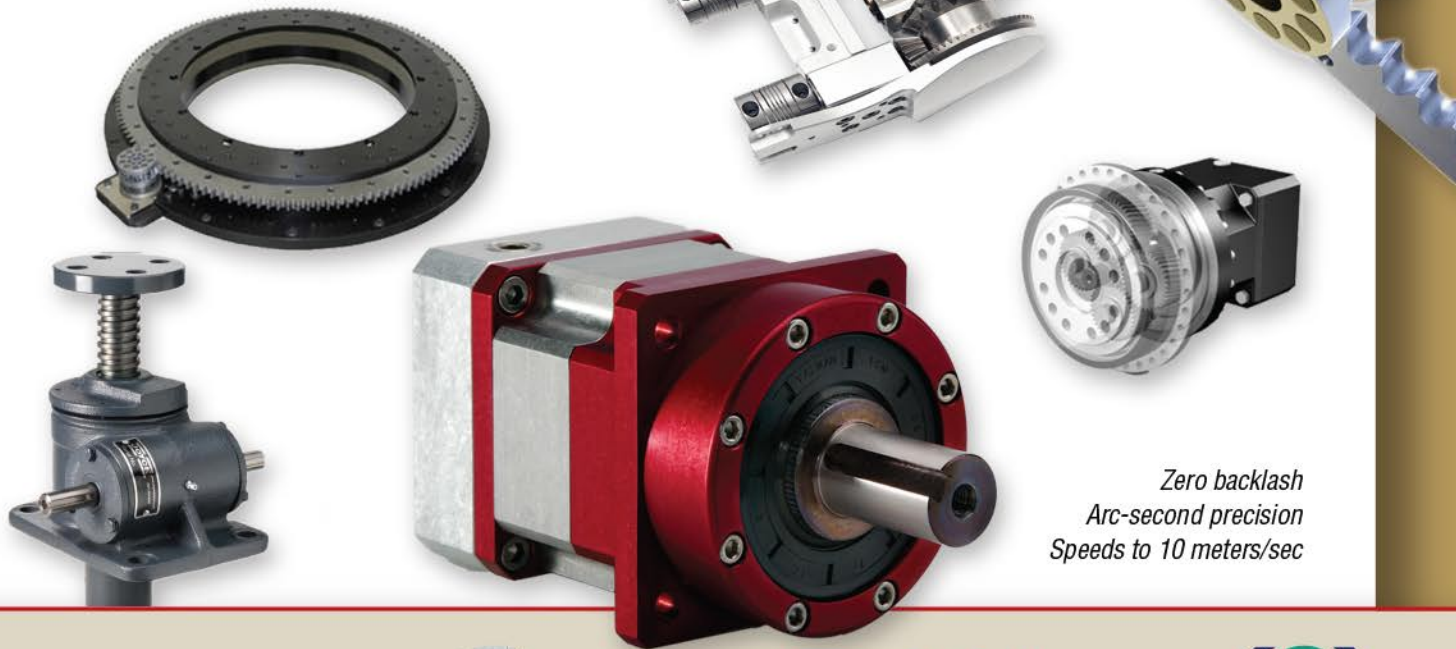


20 ounces to 2000 lbs. of force  
3 microns to 0.003" standard, sub-micron special  
25 mm to 2.5 meter lengths standard, 25 football fields long available  
Precision ground to machined to standard aluminum extrusion tolerances



## Precision Gears and Power Transmission

- Planetary, spur, worm, harmonic, OEM, and medical gears
- Inline, flanged, right angle, hollow, and dual shafts
- Linear and rotary roller rack and pinions
- Precision and heavy-duty industrial



*Zero backlash  
Arc-second precision  
Speeds to 10 meters/sec*

**nexen**™



**R+W**®  
A POPPE+POTTHOFF COMPANY



## Components and Motion Accessories

- Linear rails and bearings
- Lead, ball and roller screws
- Roller rack and pinions
- Rail, rod, screw and motor brakes
- Two and three finger grippers
- Couplings and safety limiters
- Limit switches and sensors
- Cables, flexible conduit and track
- Power supplies
- Encoders



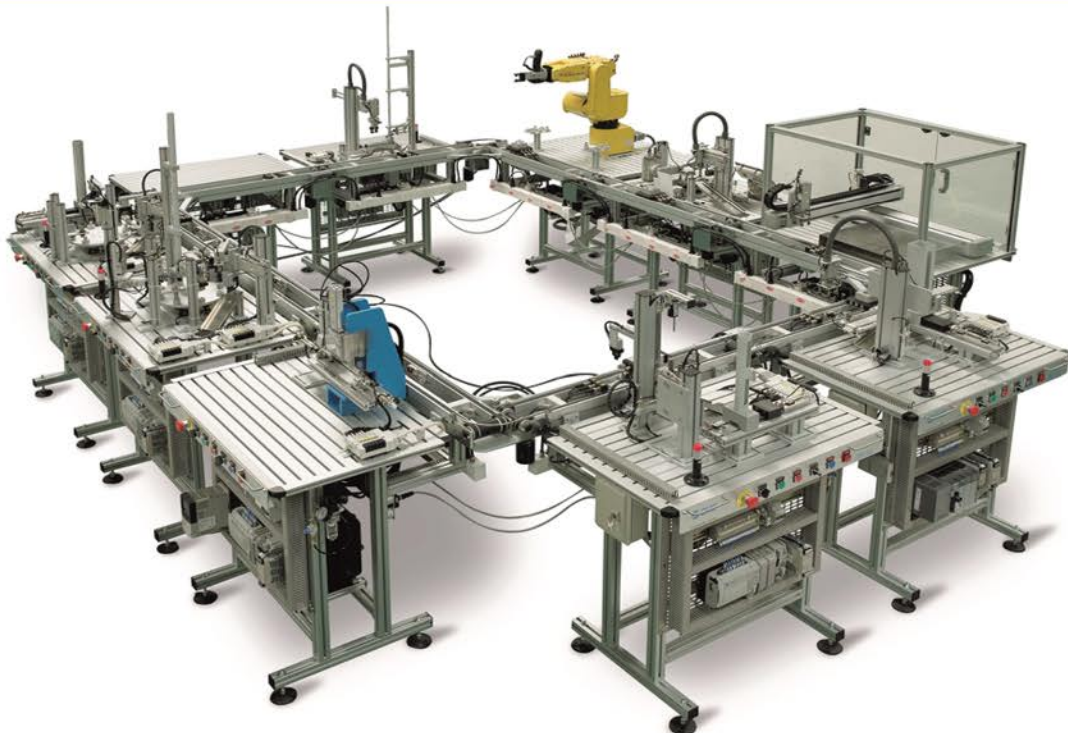


**STEVEN**  
ENGINEERING

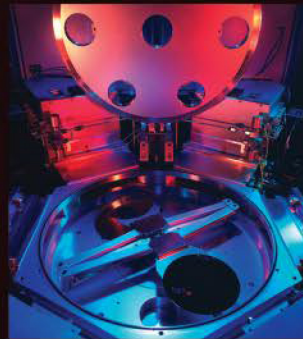
is in *Motion!*

**Your Total Machine  
Solution Provider**

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



## Motion Control Products & Services for *Your* Industry



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

**STEVEN**  
ENGINEERING

*Controls for Industry*

**Corporate Office:**  
230 Ryan Way  
South San Francisco, CA 94080

Toll-Free: **800-258-9200**  
Fax: **888-258-9200**

**Southern California Branch:**  
2398 Railroad Street  
Corona, CA 92880

Toll-Free: **800-258-9200**  
Fax: **888-258-9200**

**Oregon Branch:**  
16039 NE Cameron Boulevard  
Portland, OR 97230

Toll-Free: **888-588-9300**  
Fax: **503-254-6774**