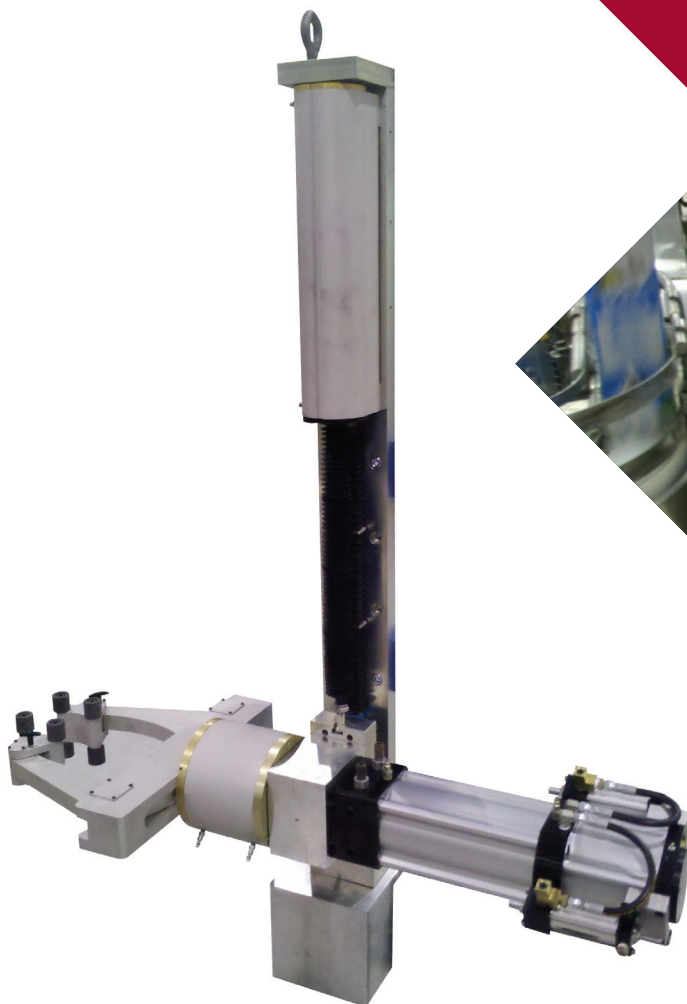




COMPACT[®]
AUTOMATION PRODUCTS

Custom Products for
Industrial Applications



Custom Application Solutions are Our Specialty

Compact Automation offers durable, reliable and innovative industrial solutions with high value and low life-cycle cost to customers around the globe in diversified industrial end markets.

With our extensive engineering capability and 96 patents globally with a combined 1,290 years of experience in over 120 product lines, comprised of 82,000 standard and 47,000 custom products ranging from custom automation to lift and turn cylinders, we can make your application a success no matter what the engineering challenge.

Life Sciences

Compact Automation is a market-leading manufacturer of motion control and precision automation products that supplies customized cylinder solutions to the medical, pharmaceutical and life sciences industries.

Electronics

We provide electronics manufacturers with specialized solutions in automation and motion-control through diversified products.

Packaging

Compact Automation is a premier supplier of engineered solutions for multi-motion and custom automation products for packaging applications worldwide.

Food and Beverage

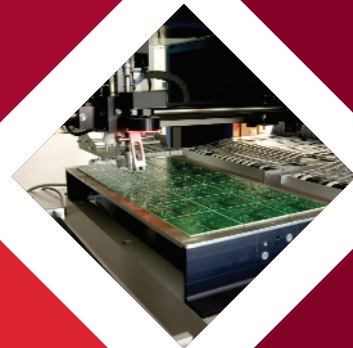
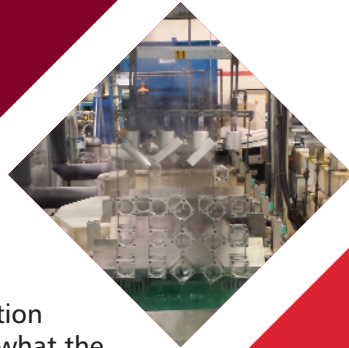
We design and manufacture products that provide solutions to the food and beverage industry where clean and sterile conditions must be maintained for food safety, while providing optimal performance and value to the customer.

Automation

We offer a wide array of customized products that meet today's highest quality standards in the most demanding manufacturing environments.

Oil and Gas

Consider us your single source for highly engineered application solutions for offshore and sub-sea precision motion control applications.



**Highly Engineered
Custom Cylinders for
Diverse Applications.**

Compact Automation at a Glance

Compact Automation was started in 1974 in Cleveland, Ohio by an engineer who frequently needed a small and easy to mount air cylinder and had an idea of how to design one. The result was the world's first space-efficient air cylinder product line. While most competitors now have a similar product offering, Compact is still the leader, offering industry best force-to-size ratios, the most available standard options, and the ability to customize.

Delivering Enduring
Solutions to Global
Industries.

In 2004, Turn-Act rotary actuators were added to the Compact Automation product offering. Like Compact, Turn-Act rotary actuators have industry leading torque-to-size ratios and product configurability. Together they form a powerful product offering.

Today Compact is located in Westminster, SC and is part of ITT, a global manufacturer of highly engineered products. Compact Automation is a leading supplier of high-value actuator solutions to original equipment manufacturers in many industries. Our knowledge and experience enable us to provide unique solutions to our customers most difficult challenges. Don't design your equipment around an actuator, design your equipment the way you want it and we will design an actuator to fit.

Compact Puts you First!

Compact Automation provides you with unsurpassed quality, capability and service to meet all of your critical engineering and application needs such as:

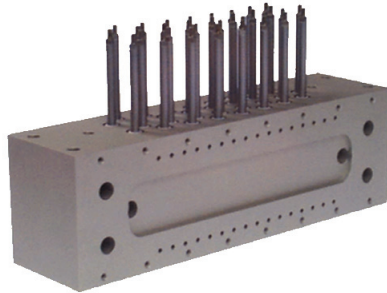
- Ability to turn quotes in under 24 hours
- Provide customer approval drawings in 48 hours
- Distributor support with Application Engineers in the field
- Our focus as an Engineered solutions provider
- Expansive manufacturing capabilities
- State-of-the-art machining
- In-house Anodizing

We pride ourselves on our culture and our philosophy of bringing differentiated and highly engineered products to our customers, that's what sets us apart from our competition, we put you first, and we solve it.



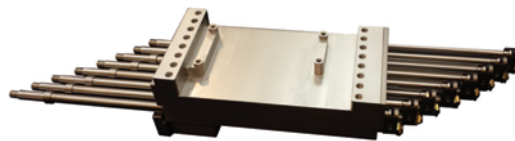
Life Sciences

COMPACT® is a market-leading manufacturer of motion control and precision automation products that supplies customized cylinder solutions to the medical, pharmaceutical and life sciences industries.



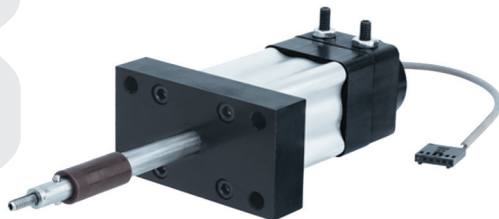
Multi-Bore 10mm Linear Actuator

- Custom cylinder block with integrated manifold
- 32 independent double acting cylinders
- High speed application



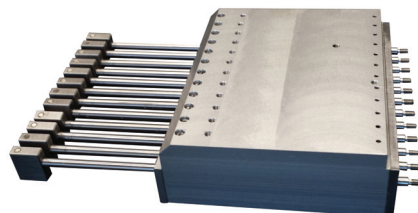
Multi-Bore 8mm Linear Actuator

- 8 Hollow rods with custom rod ends
- Guided
- Custom body for customer mounting



Custom Rotary Actuator

- Custom mounting flange
- High speed application
- Custom sensor
- Custom rod end



Multi-Bore 6mm Linear Actuator

- Double acting independent actuation
- Custom body per customer specifications
- Custom rod ends

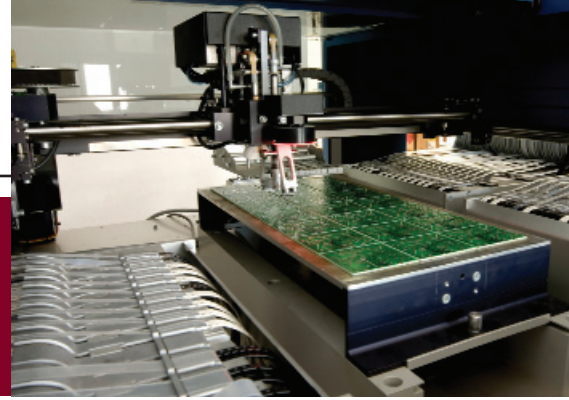


Custom Linear Actuator

- Composite construction
- Tunnel ported
- Compliant positioner
- Hollow rod

Electronics

We provide electronics manufactures with specialized solutions in automation and motion-control through diversified products.



Board Clamp Cylinder

- Custom body for optimal space efficiency
- Single acting
- Hard coat anodized aluminum body with stainless steel hardware



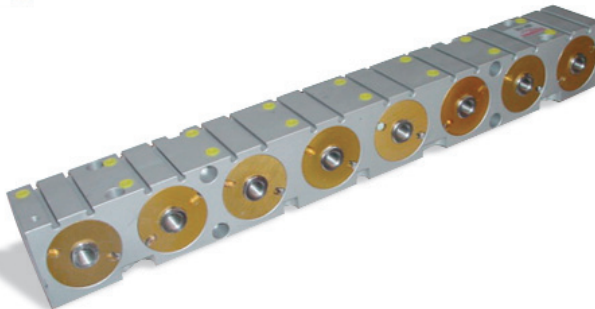
Multi-Bore 8mm Linear Actuator

- Custom body for customer mounting
- Individually ported
- Guided hollow rods with spring compliance



Complete Custom Linear Actuator

- Custom body with tooling access windows
- Oversized hollow rod
- Oversized bearings for off center load application



Multi-Bore 1-5/8\" Linear Actuator

- Custom bottom bored body for optimal use of available space
- Double acting
- Magnetic and sensor ready



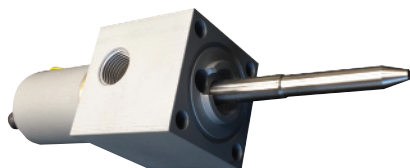
Custom Double Acting Gripper

- Composite body with stainless steel fingers
- Synchronized parallel acting jaws
- Magnetic and sensor ready

Electronics

Food and Beverage

We design and manufacture products that provide solutions to the food and beverage industry where clean and sterile conditions must be maintained for food safety, while providing optimal performance and value to the customer.



Blow Molding Cylinder

- Interchangeable needles
- Custom needles
- Custom body and bearing block per customer specifications



Custom Double Acting Gripper

- Stainless steel and composite construction
- Low temperature operation
- Integrated ejection actuator



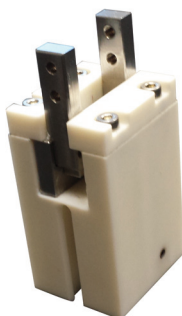
Stainless Steel Rotary

- Stainless steel construction for wash down application
- Pneumatic operation
- Custom rod end



Custom Linear Actuator

- Composite construction
- High temperature seals and lubricant
- Stainless steel rod



Custom Double Acting Gripper

- Composite body with Stainless steel fingers
- Synchronized parallel acting jaws
- Magnetic and sensor ready

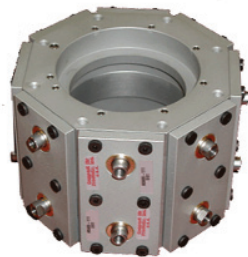
Packaging

Our packaging product solutions are manufactured with the highest standards to ensure continuous uptime and easy maintenance. Our highly skilled engineering team can provide your application with a solution to meet all of your manufacturing needs across a wide array of equipment and environmental parameters.



Blow Molding Cylinder

- Integrated customer mounting
- Custom needles
- Tunnel porting from rear



Indexing Cylinder Array

- 16 bores in octagonal pattern
- Upper and lower cylinders actuate in tandem
- Mounted and ported through customer supplied spindle



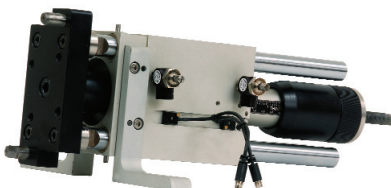
Custom Rotary Actuator

- Double rod end, double acting
- Custom rotation with hard internal stops
- Custom rod end ground to customer specifications



Custom Stainless Steel Rotary

- Stainless steel construction for wash down application
- Custom body with integrated flange mount
- Rear porting
- Locating dowel pin



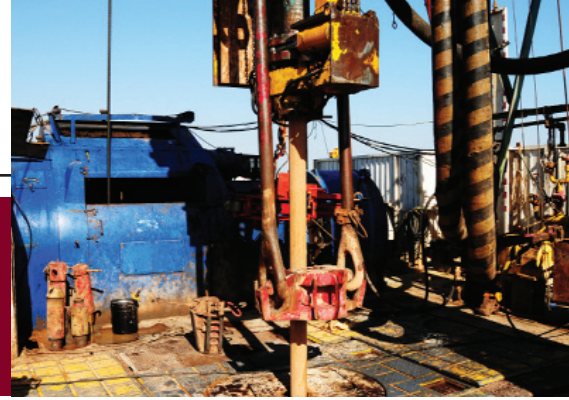
High Load Guided Actuator

- Custom body
- 4 guide rods for maximum load capacity
- Custom tooling plate
- Adjustable stroke control with optical scale

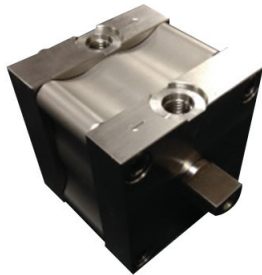
Packaging

Oil and Gas

Consider us your single source for highly engineered application solutions for offshore and sub-sea precision motion control applications.



Oil and Gas



Stainless Steel Subsea Rotary

- 316 Stainless steel construction
- 3000 psi hydraulic operation
- Manual override ready
- Subsea sensor options available



Custom Stainless Steel Subsea Valve Actuator

- 316 Stainless steel construction
- 3000 psi hydraulic operation
- Single acting, spring fail package
- Integrated subsea valve



Custom Stainless Steel Subsea Linear Actuator

- 316 Stainless steel construction
- 3000 psi hydraulic operation
- Single acting, internal spring fail package
- Internal Hydraulic dampener



Custom Low Pressure Subsea Valve Actuator

- Hard coat anodized aluminum
- 500 psi hydraulic operation
- Custom position sensor



Custom Subsea Linear Actuator

- Stainless steel rod, aluminum body, and aluminum bronze heads
- 1500 psi hydraulic operation
- Double acting

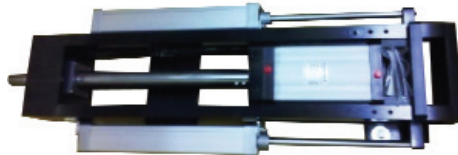
General Automation

We offer a wide array of customized products that meet today's highest quality standards in the most demanding manufacturing environments.



Custom Linear Actuator

- Custom body
- Tunnel ported
- Custom rod clevis
- Special labeling machined into body



Custom Multi-Motion Actuator

- Linear and rotary motion
- Space efficient design
- Custom rod end



Custom Rotary Collet Closer

- Accepts a 1C collet
- Pneumatic operation
- Externally rotated



Custom Collet Closer

- Accepts a 16C collet
- Pneumatic operation
- Customer specific mounted
- Hollow rod



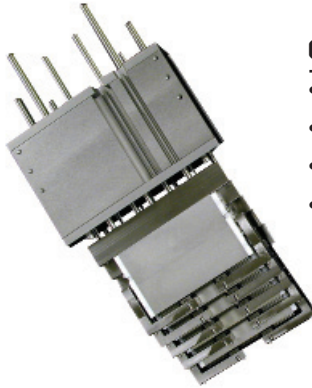
Custom Linear Animation Actuator

- Special plating
- Custom pivot mount
- Single acting
- Special lubrication

General Automation

General Automation

We offer a wide array of customized products that meet today's highest quality standards in the most demanding manufacturing environments.



Custom Pick and Place Actuator

- 5 linear tool actuators in a common body
- Synchronized single acting guided grippers
- High speed
- All integral porting through rear of assembly



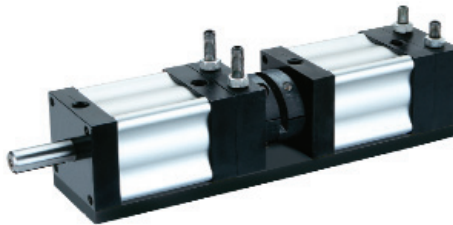
Custom Linear Actuator

- Custom body to mount in existing envelope
- Custom flange mount
- Special porting
- Single acting



Custom Linear Actuator

- 3 actuators located in a common body
- Integral pneumatic valve mounting
- Ported internally



Multi-Position Rotary Actuator

- 3 positions
- Each position is fully adjustable
- Independently actuated for complete control



Custom Linear Actuator

- Cavity in body for customer clearance
- Dowel pin holes for precise locating
- Hollow rod

General Automation

General Automation

We offer a wide array of customized products that meet today's highest quality standards in the most demanding manufacturing environments.



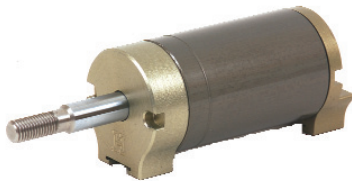
Custom Multi-Motion Actuator

- Linear and rotary motion
- Custom rod end
- Position sensor ready
- Fully adjustable linear and rotary positions



Custom Linear Actuator

- Custom threaded body for position adjustment
- Customer specific mounting and porting
- Hollow rod
- Custom locking nut



Custom Linear Animation Actuator

- Special plating
- Custom bore size
- Hydraulic operation
- Custom porting



Custom Linear Actuator

- Special nickel plating
- Tapered body with integrated flange
- Actuation porting through hollow rod
- Single acting



Custom Linear Actuator

- Custom bore
- Custom body
- Double rod end
- Tunnel ported

General Automation



COMPACT[®]

AUTOMATION PRODUCTS

Compact Automation Products, LLC
105 Commerce Way
Westminster, SC 29693
Tel: 864.647.9521
Fax: 864.647.9574
www.compactautomation.com

IND1110R2

An ITT Company

07/17