Custom Products for Industrial Applications
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.
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.

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.

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 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.

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 manufacturers 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
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
Oil and Gas

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

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

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

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