

# ITT Control Technologies Industrial Products



**ITT**

ENGINEERED FOR LIFE





## ITT Control Technologies at a Glance

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ITT is a vibrant part of the global economy. We are a high-technology engineering and manufacturing company with approximately 8,000 employees operating in 15 countries. Our portfolio of businesses is aligned with enduring, global growth drivers, and our employees bring extraordinary focus to meeting the needs of the people who buy and use our products and services in all the markets we serve.

As part of our strategy to make the customer central to everything we do the Control Technologies and Energy Absorption value centers have combined. Both have strong ties to aerospace and industrial customers. The larger combined organization will optimize common relationships, core technologies, engineering strength and global scale to offer greater value for their common customers in terms of quality, cost and delivery.



Control Technologies  
Headquarters Valencia, CA

At ITT we make the customer central to everything we do.



ITT is a diversified leading manufacturer of highly engineered critical components and customized technology solutions for growing industrial end-markets in energy infrastructure, electronics, aerospace and transportation. Building on its heritage of innovation, ITT partners with its customers to deliver enduring solutions to the key industries that underpin our modern way of life. Founded in 1920, ITT is headquartered in White Plains, NY, with employees in more than fifteen countries and sales in more than 125 countries. The company generated pro forma 2010 revenues of approximately \$2 billion. For more information, visit [www.itt.com](http://www.itt.com).



ITT Enidine Inc.  
Orchard Park, NY

# Application Solutions

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ITT Control Technologies' product lines are continually expanding to provide its customers with solutions for applications in two market focused units - Aerospace and Industrial. Our extensive knowledge and experience within these industries enables us to provide our customers with superior analysis, products, services and support.

## Alternative Fuels

- Natural Gas Regulators for Heavy Duty Engine Applications
- Natural Gas Regulators for Light Duty Engine Applications
- Solenoids and Sensors

## Shock Absorption and Vibration Isolation

- Industrial Shock Absorbers
- Heavy Duty Shock Absorbers
- Heavy Industry Buffers
- Wire Rope Isolators
- Compact Wire Rope Isolators
- Air Springs
- Custom Elastomers
- WEAR® Pipe Restraints

## Automation Solutions

- Custom Engineered Systems
- Steel Processing Controls
- Wire Draw Controls
- Web Tension Load Cells/Transducers
- Web Tension Drive Systems
- AC & DC Drives
- AC & DC Servo Motors

## Shape Cutting

- PC Based Controllers for:
  - Plasma
  - Oxy/Fuel
  - Waterjet
  - Routing
- Plasma Cutting Power Supplies
- Plasma Height Controls
- Integrated Drive Amplifiers
- Turn-key Retrofit Solutions
- Pattern Tracing Systems

## Instruments and Controls

- Pressure Switches
- Temperature Switches
- Differential Switches
- Vacuum Switches
- Low and High Pressure Regulators
- Actuators and Positioners
- Transducers
- Natural Gas Vehicle Regulators

## Motion Control

- Linear/Rotary Actuators
- Workholding Products
- Cylinders for Limited Space Applications
- Multi-Motion Integrated Motion Actuators
- Ball Slides for Limited Space Applications
- Shaker Cylinders for Conveyor Systems
- Val-U-Act Ball Valve Systems
- Gate Valve Actuators



# Motion Control Products

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Under the Compact Automation Products brand, ITT is a market-leading manufacturer of space-efficient custom automation solutions and standard pneumatic automation components. Compact has over 25 patents and has manufactured over 50,000 modified and custom designs.

Under the Turn-Act brand, ITT is a leading manufacturer of pneumatic cylinders, rotary actuators, and multi-motion devices. We sell our product through a highly capable distribution network. They can assist you with application specifications and supporting products.

Turn-Act is dedicated to producing quality products. We have over 3 billion standard products available with a large percentage of our sales being application specific specials.

## Common Applications:

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- Medical Equipment
- Robotics and Automation
- Manufacturing Process Systems
- Semi-Conductor Manufacturing
- Sub-Sea Equipment
- Conveyor Systems
- Tooling and Machining Systems
- Component Assembly
- Automotive Assembly



# Alternative Fuels

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Under the Conoflow brand, ITT designs and manufactures a wide range of innovative products based on alternative fuel sources, such as an environmentally-friendly compressed natural gas (CNG) regulators. These products are offered with a base model or with integral pressure sensors and/or solenoid for high pressure shut-off.

## Common Applications:

- Compressed Natural Gas (CNG) Regulation
- CNG Regulator for dedicated and Bi-Fuel Natural Gas Systems
- CNG Regulators are used in new engine systems and field conversions
- CNG Regulators available for Light Duty and Heavy Duty Engine applications used within Car's, SUV's, Vans, Buses and Trucks



# Shock Absorption and Vibration Isolation

Under the ITT Enidine Inc. brand, we are a global leader in the design and manufacture of standard and custom energy absorption and vibration isolation product solutions. Product ranges include shock absorbers, rate controls, air springs, wire rope isolators, heavy duty buffers and emergency stops. From Original Equipment Manufacturers (OEM) to aftermarket applications, ITT Enidine offers a unique combination of product selection, engineering excellence and technical support to meet the toughest energy absorption requirements.

## Common Applications:

### Shock Absorber Technologies

- Automotive
- Auto, Storage and Retrieval
- Bridges and Structures
- Conveyor Systems
- Steel Mills
- Plastic Bottle Manufacturing
- Packaging Machinery
- Overhead Cranes
- Robotics
- Electronics Cabinets
- Sub-Sea Equipment
- Medical Equipment

### Air Spring / Wire Rope Technologies

- Pumps, Generators, Compressors
- Shipping Containers and Skids
- Sensitive Mobile Electronics
- Medical Equipment
- Chemical Processing Equipment
- Compressor Systems
- Conveyor Systems
- Lumber Industries / Paper & Pulp
- Press Equipment
- Lift Tables / Material Handling



# Automation Solutions

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Under the Torque Systems brand, ITT provides precise motion control solutions to a broad range of industries for a variety of applications. ITT sells individual components, many of which are customizable to your specific application needs. We can quickly develop real-world solutions that save our customers time and money. Torque Systems product components include, AC or DC Brush Servo Motors, DC Brush and Brushless Servo Motors and Direct Drive Part Sets.

## Common Applications:

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- Medical Equipment
- Autonomous Vehicle
- Food Processing
- Sub-Sea Equipment
- Packaging
- General Industrial
- Factory Automation
- Antenna Pedestals



# Shape Cutting

ITT is a full provider of shape cutting systems to machine manufacturers and end users. The complementary product lines of Burny® and KALIBURN® provide customers with a wide array of conventional and high current density plasma cutting systems, including easy to use shape-cutting motion control solutions for plasma, oxy-fuel, and water jet cutting machines, as well as for routing, engraving and dispensing equipment. In addition to state-of-the-art PC-based controls and drive systems, Burny also supplies operator's consoles, torch height controls, plate marking devices and pattern tracing systems for new and used cutting machines.

## Common Applications:

- Defense Vehicles
- Earth Moving Equipment
- Trailer Manufacturing
- Tank Fabrication
- Oil & Gas
- Structural Steel
- Textile
- Stone
- Glass Cutting



# Instruments and Controls

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ITT Neo-Dyn® provides standard and custom switches for the Oil & Gas, chemical process, and energy markets. ITT's leadership in designing high performing reliable pressure switches has set the standard for the industry. Neo-Dyn's commercial and industrial switches have the highest quality and most competitive pricing available in the industry. ITT Conoflow designs and manufactures low and high pressure regulators, filter regulators, Positioners, transducers, actuators and diaphragm seals in a wide variety of materials and configurations to meet a broad range of applications. ITT Conoflow is committed to providing excellent customer service and support for all our products and solutions.

## Common Applications:

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- Oil and Gas Industries
- Offshore Drilling & Wellhead Applications
- Industrial Gases, Water & Waste Water
- Food and Beverage Industry
- Pulp and Paper Production
- Chemical Processing
- Sub-Sea Equipment
- Hazardous Area Applications
- Nuclear Power Facilities
- Medical Equipment







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**ITT Enidine Inc.**

7 Centre Drive  
Orchard Park, New York 14127  
Phone: 716-662-1900  
Fax: 716-667-1385  
Email: [industrialsales@itt.com](mailto:industrialsales@itt.com)  
[www.enidine.com](http://www.enidine.com)

**ITT High Precision Manufactured Products (Wuxi) Co. Ltd.**

J Room 19th FL ZMI Plaza  
No. 445 Kaixuan Road  
Hangzhou, Zhejiang, China  
Phone: 0086-571-86714399  
Fax: 0086-571-86714055  
[www.itt.com](http://www.itt.com)  
[www.eniidne.cn](http://www.eniidne.cn)

**Compact Automation Products Turn-Act**

**Conoflow**  
105 Commerce Way  
Westminster, SC 29693  
Phone: 864 647 9521  
Fax: 864 647 9574  
[www.itt.com](http://www.itt.com)  
[www.compactautomation.com](http://www.compactautomation.com)  
[www.turn-act.com](http://www.turn-act.com)  
[www.conoflow.com](http://www.conoflow.com)

**Torque Systems**

6 Enterprise Drive  
Billerica, MA 01821  
Ph: 978.667.5100  
Fax: 978.600.0280  
[www.torquesystems.com](http://www.torquesystems.com)

**ITT Control Technologies GmbH**

Werkstrasse 5  
D-64732, Bad Koenig, Germany  
Phone: +49 6063 9314 0  
Fax: +49 6063 9314 44  
[www.cmcccontrols.com](http://www.cmcccontrols.com)

**KALIBURN Inc.**

4130 Carolina Commerce Parkway  
Ladson, SC 29456  
Phone: 843-795-4286  
Fax: 843-795-8931  
[www.kaliburn.net](http://www.kaliburn.net)

**Aerospace Controls**

28150 Industry Drive  
Valencia, CA 91355  
Phone: 661-295-4000  
Fax: 661-294-1750  
[www.ittaerospace.com](http://www.ittaerospace.com)

**ITT Neo-Dyn**

28150 Industry Drive  
Valencia, CA 91355  
Phone: 661-295-4000  
Fax: 661-294-1750  
[www.neodyn.com](http://www.neodyn.com)