Global Presence

ITT Control Technologies provides durable and reliable defense products that aerospace engineers demand and military personnel deserve.

Enidine’s customer service staff and technical sales personnel are available to assist you with all of your application needs.

- Operating with lean manufacturing and cellular production, Enidine produces higher quality custom and standard products with greater efficiency and within shorter lead times.

- Enidine’s comprehensive, website is full of application information, technical data and sizing examples that will assist you in selecting the product that’s right for you.

Our website also features a worldwide representative lookup to help facilitate fast, localized service. For application assistance call our technical help line at 1.800.852.8508 ext 253.

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.
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Defensive Solutions for Energy Absorption and Vibration Isolation

Enidine’s customer service staff and technical sales personnel are available to assist you with all of your application needs.

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Static spring preload provides payload support and is combined with highly efficient protection hydraulic damping when the preload is exceeded.

Rugged, high-capacity, efficient energy absorption utilizing a variable orificing design which keeps the output shock force to a minimum.

Molded/bonded elastomeric/metallic assemblies provide static payload support and protection against the negative effects of vibration.

Energy Absorption

Vibration Isolation

Deflection induces cable strand frictional damping providing multi-axis isolation from shock and vibration inputs.

Various damping media can provide protection against extreme input frequencies, amplitude, temperature ranges and other environmental conditions.

Precision fluid metering offers precise piston displacement within a highly repeatable time frame.

Application

Single and double acting applications include missile VLS, close-in gun systems and electronic equipment as well as more rugged shipping container/canister type applications.

Commonly applied in salt water environment on shipboard applications for elevation and azimuth axis of large weapon and tracking radar systems.

Size and weight sensitive airborne defense systems include aircraft radar and missile guns and often utilize a double piston configuration for bi-directional use to further reduce dashpot size and weight.

Deflection induces cable strand frictional damping providing multi-axis isolation from shock and vibration inputs.

Examples include acoustic isolators, wire mesh auxiliary power unit mounts, and aircraft engine mounts.

Precision fluid metering offers precise piston displacement within a highly repeatable time frame.

Crew access hatches, equipment access panels and missile fin deployment applications all operate smoothly at a desired angular opening or closing rate.

Precision fluid metering offers precise piston displacement within a highly repeatable time frame.

This unique use of a dashpot design serves as a munitions fuse, a tank steering transmission control and a transporter baffle flow times.

Defense Solutions for Energy Absorption and Vibration Isolation
Energy Absorption

**HYDRAULIC ISOLATOR**
Static spring preload provides payload support and is combined with highly efficient protective hydraulic damping when the preload is exceeded.

**APPLICATION**
Single and double acting applications include missile ICB, close-in gun systems and electronic equipment as well as more rugged shipping container/container type applications.

**BUFFER**
Rugged, high-capacity, efficient energy absorption utilizing a variable orificing design which keeps the output shock force to a minimum.

**APPLICATION**
Commonly applied in salt water environment for shipboard applications for elevation and azimuth axis of large weapon and tracking radar systems.

**DASHPOT**
Provides the maximum energy absorption capability within a given size and weight constraint.

**APPLICATION**
Size and weight sensitive airborne defense systems include aircraft radar and missile guns and often utilize a double piston configuration for bi-directional use to further reduce dashpot size and weight.

**WIRE ROPE ISOLATOR**
Deflection induces cable strand frictional damping providing multi-axis isolation from shock and vibration inputs.

**APPLICATION**
Traditionally applied to support and isolate shipboard electronic equipment, wire rope isolation offers extremely long, maintenance free service life. Reciprocating machinery and naval minewarship deck isolation are other successful applications.

**SPECIAL ISOLATOR**
Various damping media can provide protection against extreme input frequencies, amplitude, temperature ranges and other environmental conditions.

**APPLICATION**
Examples include acoustic isolation, winch motor auxiliary power unit mounts, and aircraft engine mounts.

**Molded/bonded elastomeric/metallic assemblies** provide static payload support and protection against the negative effects of vibration.

**APPLICATION**
Protection for delicate and sensitive military modules including computers, avionics and electronic equipment as well as more rugged shipping container/container type applications.

**Deflection induces cable strand frictional damping providing multi-axes isolation from shock and vibration inputs.**

**APPLICATION**
Examples include acoustic isolators, wire mesh auxiliary power unit mounts, and aircraft engine mounts.

**Precision fluid metering offers** precise piston displacement within a highly repeatable time frame.

**APPLICATION**
This unique use of a dashpot design serves as a munitions fuse, a tank steering transmission coolant control and a transporter boom flow times.

Vibration Isolation

**ELASTOMERIC ISOLATOR**
Custom orificing and valving can achieve bi-directional speed control and actuation in either direction when coupled with a mechanical spring.

**APPLICATION**
Crew access hatches, equipment access panels and missile fin deployment applications all operate smoothly at a desired angular opening or closing rate.

**Precision fluid metering offers** precise piston displacement within a highly repeatable time frame.

**APPLICATION**
This unique use of a dashpot design serves as a munitions fuse, a tank steering transmission coolant control and a transporter boom flow times.

Motion Control

**DAMPER**
Minimal sliding friction facilitates high frequency, double acting hydraulic damping.

**APPLICATION**
Vehicle suspension systems, machine gun recoil and inside equipment suspension applications, examples for 5 to 20 Hz applications which use dampers to reduce system shock, vibration and fatigue.

**TIME DELAY**
Precision fluid metering offers piston stroke displacement within a highly repeatable time frame.

**APPLICATION**
This unique use of a dashpot design serves as a munitions fuse, a tank steering transmission coolant control and a transporter boom flow times.
Energy Absorption

**HYDRAULIC ISOLATOR**
Static spring preload provides payload support and is combined with highly efficient protection hydraulic damping when the preload is exceeded.

**APPLICATION**
Single and double acting applications include missile VLS, close-in gun systems and electronic equipment as well as more rugged shipping container/canister type applications.

**BUFFER**
Rugged, high-capacity, efficient energy absorption utilizing a variable orificing design which keeps the output shock force to a minimum.

**APPLICATION**
Commonly applied on salt-water environment on shipboard applications for elevation and azimuth axis of large weapon and tracking radar systems.

**DASHPOT**
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**APPLICATION**
Size and weight sensitive airborne defense systems include aircraft radar and missile guns and often utilize a double piston configuration for bi-directional use to further reduce dashpot size and weight.

**WIRE ROPE ISOLATOR**
Deflection induces cable strand frictional damping providing multi-axis isolation from shock and vibration inputs.

**APPLICATION**
Traditionally applied to support and isolate shipboard electronic equipment, wire rope isolators offer extremely long, maintenance free service life. Reciprocating machinery and naval minesweeper deck isolation are other successful applications.

**SPECIAL ISOLATOR**
Various damping media can provide protection against extreme input frequencies, amplitude, temperature ranges and other environmental conditions.

**APPLICATION**
Examples include acoustic isolation, wire mesh auxiliary power unit mounts, and aircraft engine mounts.

**ELASTOMERIC ISOLATOR**
Molded/bonded elastomeric/metallic assemblies provide static payload support and protection against the negative effects of vibration.

**APPLICATION**
Provides protection for delicate and sensitive military modules including computers, avionics and electronic equipment as well as more rugged shipping container/canister type applications.

**DAMPER**
Minimal-stroking friction facilitates high frequency, double acting hydraulic damping.

**APPLICATION**
Vehicle suspension systems, machine gun recoil and inside blast environments.

**RATE CONTROL**
Custom softening and dampening can achieve bi-directional speed control and actuation in either direction when coupled with a mechanical spring.

**TIME DELAY**
Precision fluid metering offers precise piston displacement within a highly repeatable time frame.

**APPLICATION**
This unique use of a dashpot design serves as a munitions fuse, a tank steering transmission coolant control and a transporter boom flow timer.

Vibration Isolation

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