



THE GLOBAL PROVIDER IN PIPELINE PIGGING

Indian Government Recognized Export House (Certificate No. A 1749)
ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Company

WWW.OILPIPEPIGGING.COM

City Cat International is unique in the industry as we are not just a distributor – we subcontract our manufacturing to qualified machine shops worldwide. This allows us to offer our customers many parts that are not available competitively elsewhere.



THE ULTIMATE EXPORT COMPANY

Our business model is designed to ensure that every step of the ordering and shipment process is thoroughly monitored, and we pride ourselves on our responsiveness to our customers' needs

- ✓ Establish a knowledgeable and experience sales staff.
- ✓ Leverage regional distribution channels.
- ✓ Maintain an engineering staff
- ✓ Be highly responsive to our customers.
- ✓ Export only reliable and more cost effective parts.
- ✓ Build relationships with our clients.

WHY CITY CAT?

In today's fast paced world, having the right part can mean the difference between "on-time" and "off-line." You can rely on City Cat International Ltd to consistently deliver the complex machined parts you need to keep operations humming in the railroad industries. Our reputation in the industry is unparalleled and is a direct reflection of our dedication to providing quality products at competitive prices. Combine this with our commitment to integrity at every level of our business and you have the obvious solution to all your part manufacturing and distribution needs.

Our staff has over 50 years of combined knowledge and expertise. Our products and services have earned us an impeccable reputation in the industry.

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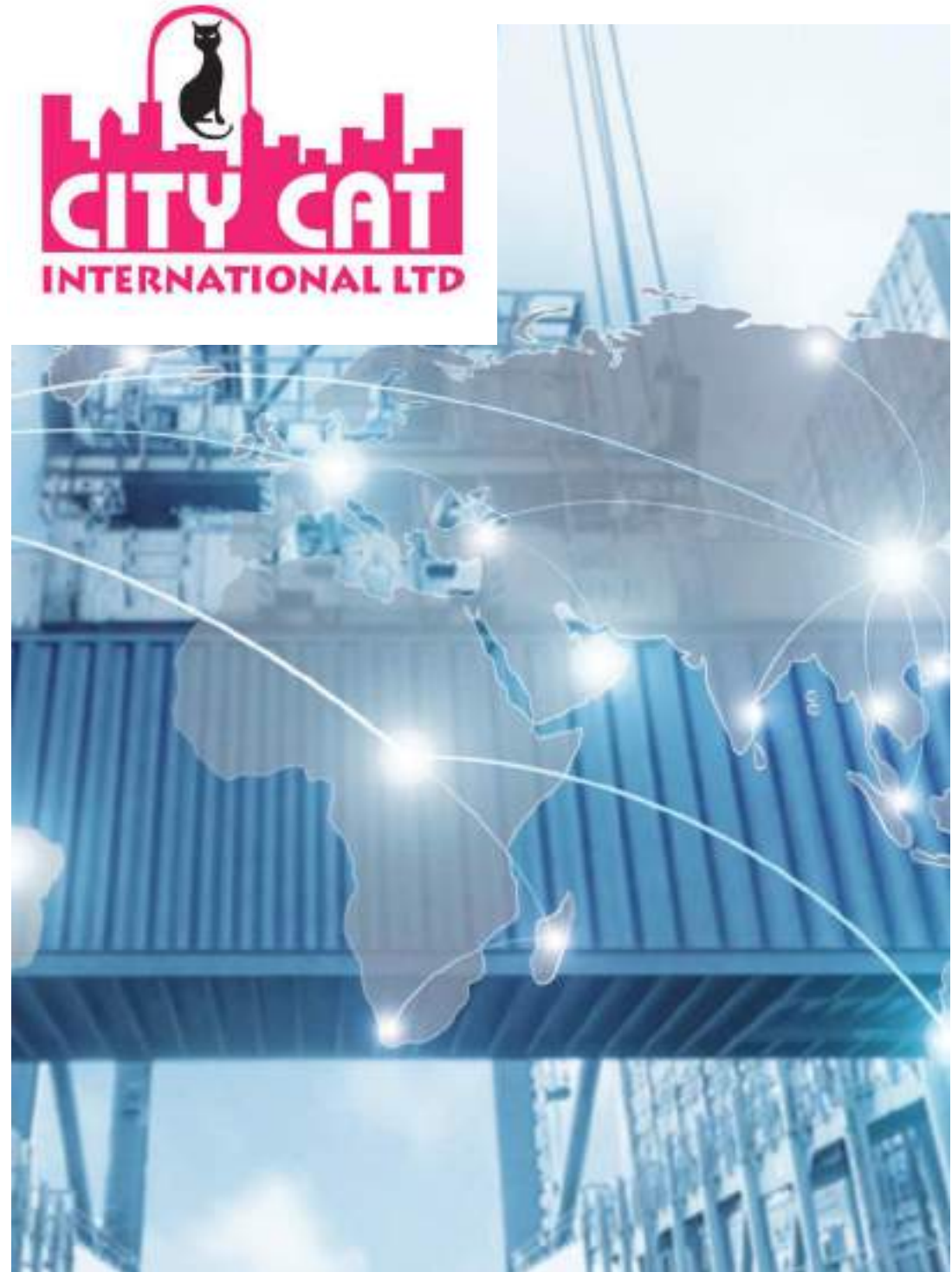
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CITY CAT INTERNATIONAL

A glimpse into the
ULTIMATE EXPORT COMPANY.





Sugar Mill Parts



Electric Transmission Parts



Lab Equipments



Refactories



Locomotive Parts



Oil and Gas Parts



Pipe and Pipe Fittings



Industrial, Agricultural
& Commercial Tyres

We pride ourselves on our responsiveness to our customers' needs.

BETTER PARTS. BETTER SERVICES.

**ISO 9001:2015, ISO 14001:2015 & OHSAS
18001:2007 CERTIFIED COMPANY.**

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PIPELINE PIGGING

The City Cat group of companies is a global provider in pipeline pigging.





CLEANING AND MAINTENANCE PIGS

Your first line of defence against preventing internal corrosion effectively.

Aggressive, long-life pigs in a variety of cup and disc configurations are an excellent solution for pipeline maintenance. Whether you're cleaning your pipeline for efficiency or corrosion control, removing construction debris or hydro-testing a new or recommissioned pipeline, City Cat offers a multitude of product options for the task. After all, it's not just about putting a pig in a pipeline.

Our pipeline cleaning pigs come in a variety of styles and sizes designed to accurately and effectively move through pipes of all sizes and configurations. Let us help you determine the appropriate pigs for your specific needs.



FILMING PIGS

Efficiently control corrosion in pipelines.

Filming pigs were designed to apply any type of coating or film on the interior of pipe walls. In order to apply a film, the pig is designed with a by-pass disc and a spreading disc which is machined as per specification requirements. The unique conenose has greater maneuverability around short bends, such as 45°'s, 90°'s and T's.

Filming pigs, like all solid cast urethane products, can be manufactured in the variety of durometers available for flexibility or more chemical resistant. Filming pigs are available in 2", 3", 4", 6", 8", 10", 12" and 16" sizes. Filming pigs can also be machined to odd sizes. Exact outside diameters.



FOAM PIGS

Customizable For Every Situation.

Versatile. Economic. Field-proven. Known as the most common and cost-effective pigging solution for pipeline cleaning, Apache offers its line of multi-faceted foam pigs and spheres. To perform effectively, all our foam pigs and spheres are manufactured from the highest quality open cell polyurethane foam. This special composition of polyurethane is very durable. It resists abrasion, making hard wearing, offering maximum flexibility for use in a wide range of applications.

Foam pigs are exceptionally flexible, which is critical to their ability to operate in a variety of the most complex pipeline networks. They can easily negotiate short radius bends, miter bends, tees, and multi-diameter lines.

Options: coated yellow bullet, coated red bullet, bare swab bullet, bullet, wire brush foam bullet, criss-cross wire brush foam.

Custom designs and sizes are available.



STEEL BODY (MANDREL) PIGS

A Versatile Solution To Many Pipeline Pigging Problems.

Steel pigs are a more long-term, long-life pig. They consist of a steel mandrel body with easily replaceable sealing elements (cups and discs) and can be equipped with various brush types (spring-loaded, circular, wrap-around) for removing deposits on the interior pipe wall. Standard configurations include cup, disc, multi-disc, conical cup, and various combinations. Various options are also available, such as adding or substituting a cup or disc, special lengths and diameters, gauging plates, articulated joints, transmitter cavities, and magnet packs. The advantage of steel pigs is the ability to replace the wearing components (cups, discs, brushes, etc.), thereby rendering it a new pig.



PIGGING ACCESSORIES

Pigging accessories are pieces of equipment that work well with the pipeline pigging process. These include:

Washers | Pig Receiving Bins | Pig Entry Tool | Pigging Pole | Subsea Pig Tracking | Topsides Pig Tracking | Electro-Magnetic and Acoustic Transmitters for Pig Location | High Pressure Test Plugs | Hyperbaric Spheres and Piggable Plugs for Subsea Tie-ins on Pipelines | Internal Weld Testers and Flange Weld Testers | Low and Medium Pressure Plugs | Pig Diverters | Pig Location and Tracking TRAXALL GPS | Spheres | Sphere Flow and Barred Tees | Valve Removal Tools | Wet Buckle Pig Insertion Tools | Welding Pig – Piggable Plug



NON-METALLIC PIPELINE PIGS

Clean fluids and debris without damaging the inside of the pipe.

Non-metallic pipelines, including poly, plastic, fibreglass or HDPE still need to be pigged but they present unique challenges. City Cat has developed specialized pigs for non-metallic pipelines that clean fluids and debris without damaging the inside of the pipe, helping companies protect their assets and the environment against corrosion. These pigs also accommodate different internal diameters.



BRUSH PIGS

Cleaning Brushes for Pipeline Pigs.

Brush cleaning pigs are used during pre-commission and on-stream pipeline cleaning where rust, mill scale, sand, wax, organic growth, mud, oxides, and other foreign matter exist

Brushes are added to pipeline pigs for aggressive cleaning of the internal diameter of pipelines. They come in a variety of configurations; from a rotary brush – a full circle mounted as one piece on a urethane pig – to wrap brushes, to spring-loaded brushes mounted to a Super Pig or steel mandrel body pig. Brushes can be made from flat wire for more aggressive cleaning of tenacious deposits, or fine wire for more flexibility or corrosion pits.

Our Brush Cleaning Pigs are highly efficient and are based on a bi-directional pig design, being fitted with polyurethane guide and seal discs. The guide discs support and centralise the pig as well as providing a cleaning action on the internal pipewall to loosen and push most medium to hard deposits in front of the pig. The sealing discs maintain a tight seal within the pipeline to provide the pig with the drive to traverse the line.



GAUGING PIGS

Multiple body options available, from steel to polyurethane to foam.

Pipeline gauging detects any internal restrictions and gives indicative results as to whether the pipeline is geometrically suitable for the progression to more aggressive cleaning pigs. Gauging is achieved by fitting a pig with an aluminium plate, sized proportionally to the minimum internal diameter of the pipeline.

Steel bodied pigs such as a Bi-Directional Pig or Flexi-Cupped Gauging Pig are often used for pipeline gauging. These pigs are fitted with a combination of polyurethane guide discs and seal discs or cups. Depending on pipeline diameter, transmitters and magnets can usually be fitted for pig tracking and pig location purposes.

Whilst these pigs should offer only light cleaning, they should be fitted with pluggable by-pass ports to front of the pig body to help flush any accumulated debris ahead of the pig.

Gauging plates are available in multiple body options, from steel to polyurethane to foam. They are manufactured to any thickness or diameter. Used in conjunction with pigs, they are used to prove pipe roundness and indicate obstructions or internal damage of a pipeline.



CUSTOM COMPONENT PIGS

Versatile solution to many pipeline pigging problems.

Component pigs consist of a polyurethane post with easily replaceable cups, discs and/or brushes which makes them a versatile solution to many pipeline pigging problems. The cups, discs and brushes can be replaced as they wear, effectively making it a new pig. Cups come in a variety of styles and when properly mated with discs or brushes can be arranged to accommodate virtually any pipeline design or obstacle including multi-diameter pipelines.

The ability to configure the kind and quantity of cups and discs as well as include other options like brushes, gauge plates, transmitter cavities and magnet packs make component pigs a very individualized choice for pipeline cleaning, batching, gauging, displacement, removal of paraffin or scale build up, bi-directional pigging and dual-diameter or multi-sized pipelines.



PIG VALVE PIGS

Our pigging valve design is a simple, safe and convenient way to insert and remove flow line pigs.

Pigging valves were introduced into the oil and gas industry almost 50 years ago. Pigging valves are used to introduce and retrieve pipeline cleaning and maintenance devices. They are used in the production, storage, refining and gathering of oil or gas, water treatment, disposal and injection.

Putting your pig into action without stopping your product's flow is now an option that is available with auto launcher pigging valves. Pigging Valves are an established, reliable, and effective way of sending and receiving pipeline pigs. For decades City Cat has proven its reliability in the oil & gas industry and continues to be the most cost effective environmentally friendly solution to any pigging requirement. Our pigging valve design is a simple, safe and convenient way to insert and remove flow line pigs. It eliminates excessive equipment and reduces the number of operations, thus limiting expenses and loss of product.

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PIG SIGNALLERS

Pig signallers detect, signal and log the passage of pigs at critical points along a pipeline. Non-intrusive pig signallers have the advantage of being easy to install and easy to use. They also work well with any type or any hardness of pig.





NON-INTRUSIVE PIG SIGNALLERS

Confirm successful launch, passage and receipt of pipeline pigs

Non Intrusive Signallers allows simple and reliable non-intrusive detection of pig passages anywhere within your pipeline system. Simply strap the signaller onto a pipeline and it immediately begins scanning for both transmitter and permanent magnet equipped pig passages. They are normally positioned at both the pig launching and pig receiving stations and at key points along a pipeline..



INTRUSIVE PIG SIGNALLERS

Pig signallers are used to provide confirmation of the movement of pipeline pigs through a pipeline.

Intrusive Pig Signallers are mechanically operated and are generally bi directional. They have mechanically operated signal flags which can be reset and are suitable for mounting on both vertical and horizontal pipelines. The indicating device, 'Flag', is normally set in the horizontal position for "pig not passed" and vertical for "pig passed" condition with a manual latch reset to the horizontal position. When moving through production pipework and pipelines so that the time/location of the PIG is known.

In addition, it can estimate accumulated debris in front of the PIG which can help you identify in which section of a pipe debris is being built up.



In Business since over 50 years, City Cat International is on the forefront of pipe and pipe fittings innovation, partnering with our clients to build new, high customized solutions to move the pipeline pigging industry forward.

We hold ISO 9001 registration for our operations, which confirms our rigorous quality management system. As an industry leader in supply and export, City Cat International is one of the top groups in the nation of offering products of high range and excellent quality as per API 5CT specifications. City Cat group is driven only towards client's satisfaction and delivering quality products to clients worldwide.

INDUSTRY LEADERSHIP



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