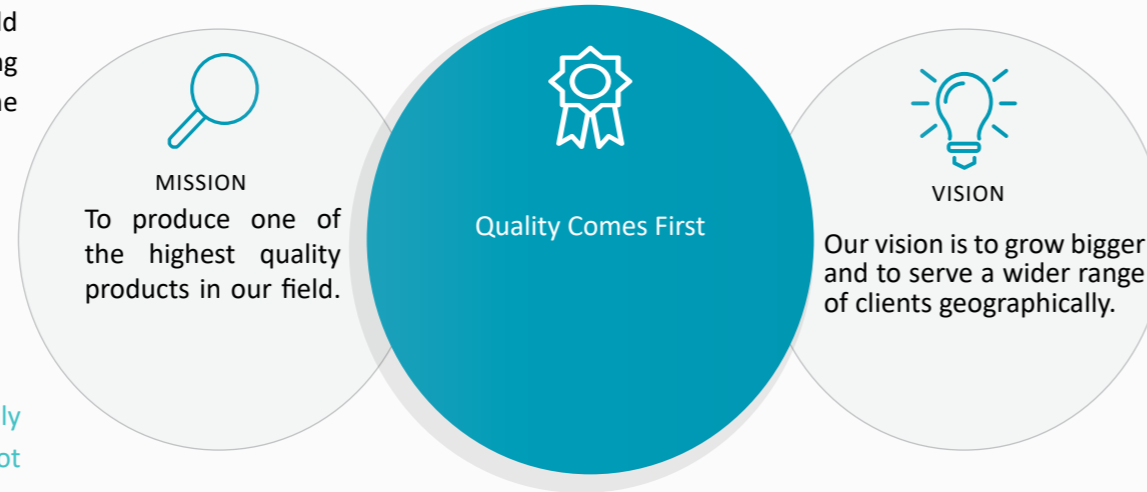




Middle East Manufacture
Of Pipe Cleaning Equipment

WHO WE ARE?

Since its formation in Jan 2014, Middle East Manufacture of Pipe Cleaning Equipment "MEM" started its activities in designing & manufacturing of Pigs and Foam Pigs for the oil and gas industry within the region. With our flag "Quality Comes First" MEM was positioned as a leader of producing one of the finest products that are tailored to suit the client's specific needs. MEM had already sold its products in 40 countries all over the world. We are still extending our geographical existence in more countries with an aim to serve the field with high quality products and services.



Managed by our experienced personnel and with a workforce of fully trained engineers and technicians, MEM was the main choice for a lot of the pre-commissioning, pipeline contractors & end users.

Our designs have been developed, Tested and field proven in some of the most difficult applications known for pigs. We design them for multi diameter, long runs and for those unpiggable pipelines.

We always provide unique designs that allow our pigs to negotiate the activity required. MEM works very closely with the clients to design and develop pipeline pigs which offers high performance solution for the pipelines integrity. MEM also performs various tests like abrasion, wear, tensile strength and elasticity tests on its final products to make sure that the required mechanical properties are never altered.



MEM manufactures a wide range of materials and is specialized in producing Metal Bodied Polyurethane Pigs, Polyurethane Foam Pigs and provides several related accessories such as steel Brushes, Plough Blades, Alm Gauging Plates, High Force Magnets, Tracking Tools, Transmitter Housings, Acoustic Pinger Housings and Isotope Housing of any required sizes.



Along with that, MEM provides tools those represent solutions for a lot of the sub-sea and onshore applications.

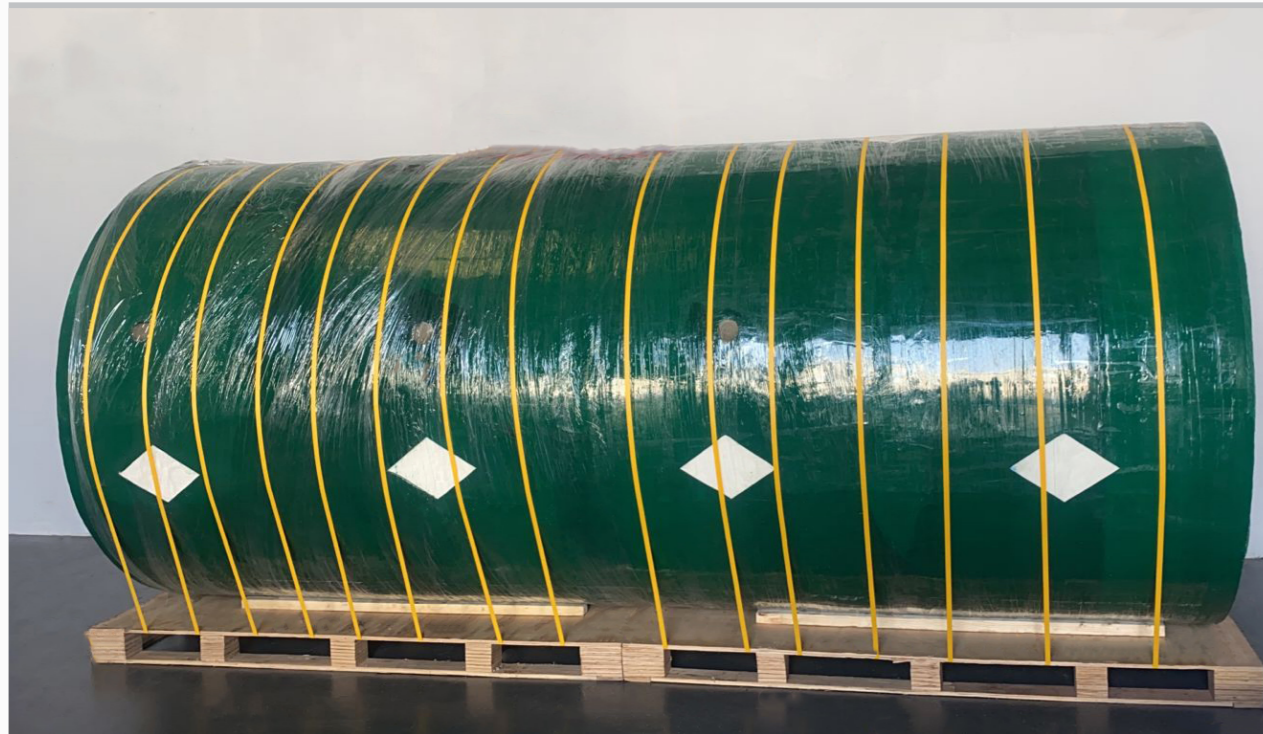


We committed ourselves to sell only the best.

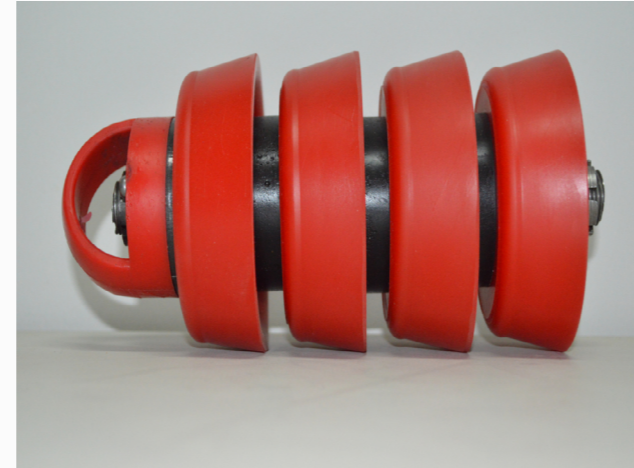


QUALITY POLICIES

Our main Quality objective is to meet and exceed the expectation and requirements of our customers in an efficient, cost-effective and timely manner. We also make sure that our employees, representatives and stake-holders receive their deserving rewards for their contributions.



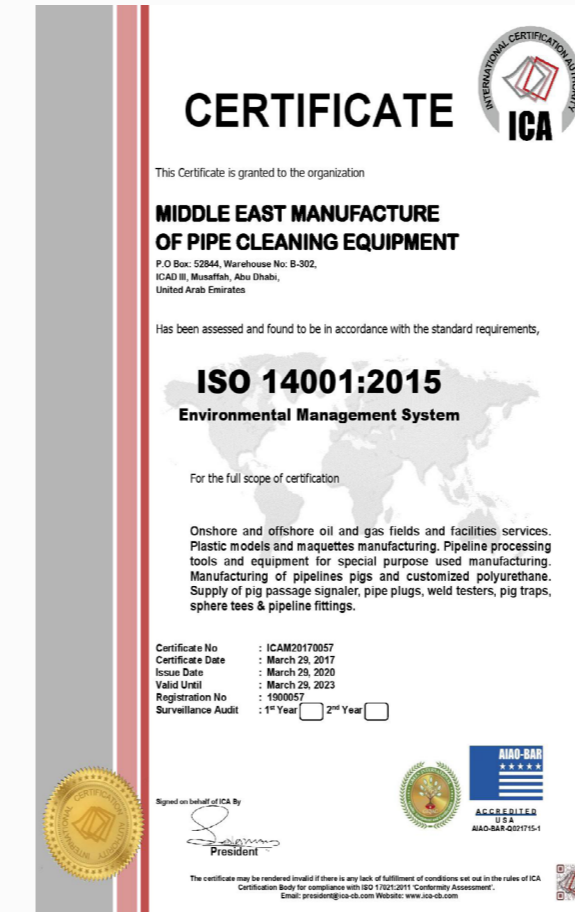
MEM has been certified with many quality standards like OHSAS 18001:2007, ISO 9001:2015, ISO 14001:2015 makes us an organization where quality is never compromised.



- The Quality Management System is well maintained in accordance with International Standards.
- Our Employees are continuously assessed and trained to meet the rising demands and expectations of our markets and customers.

- Quality, delivery, cost and other efficiency measures are promoted, monitored and controlled, to achieve customer satisfaction and company performance.
- The feedback we receive from our clients and authorities shows excellent satisfaction.

CERTIFICATES



OUR RESOURCES



All our chemicals come from the most reputable European houses who exists over the past 100 years. The same applies with our machines as we imported the highest technology and up to date machines those guarantee the homogeneity and the stability of the finished products.

Since its establishment, MEM decided to manufacture the best products and introduced it to the market in the region. This called for a lot of challenges. Our technicians and office staff were all well trained. We cast our products from the finest chemical systems available world-wide.



OUR PRODUCTS

FOAM PIGS

Can be used for pipeline scraping, cleaning, gauging, filling and drying ensuring the best performance. Made of lightweight open-cell polyurethane foam, foam pigs can be coated and adapted for best tracking.

MECHANICAL BI-DI

The Bi-Di Pig design is based on the pig's ability to travel in both directions. The Bi-Di Pig is equipped with Guide and Seal PU Discs to give the sealing element that would also remove the debris and to get the support from the guide discs while travelling in the line.

MECHANICAL CUP PIG

The Cup Pig is designed to travel in one direction. The PU cups ability to seal is normally high and its used for separation, batching, de-watering, de-curding and could be used for cleaning and gauging or Nitrogen Purging & many other applications. The cups have a great advantage of negotiating higher changes in the pipe diameter that could reach up to 20%.

ACCESSORIES

We provide a wide range of accessories which include all kinds of spare parts, add-on components for the pigs and a variety of other equipment that could encourage the pigging process.

The rapid progress in the pipeline industry within the region forced a lot of activities in hydro-testing, nitrogen purging, cleaning, drying, watering, de-watering..etc, all these activities require good pigging tools in place. We were there to supply our clients with all their needs of what is considered as one of the finest qualities available in the market.

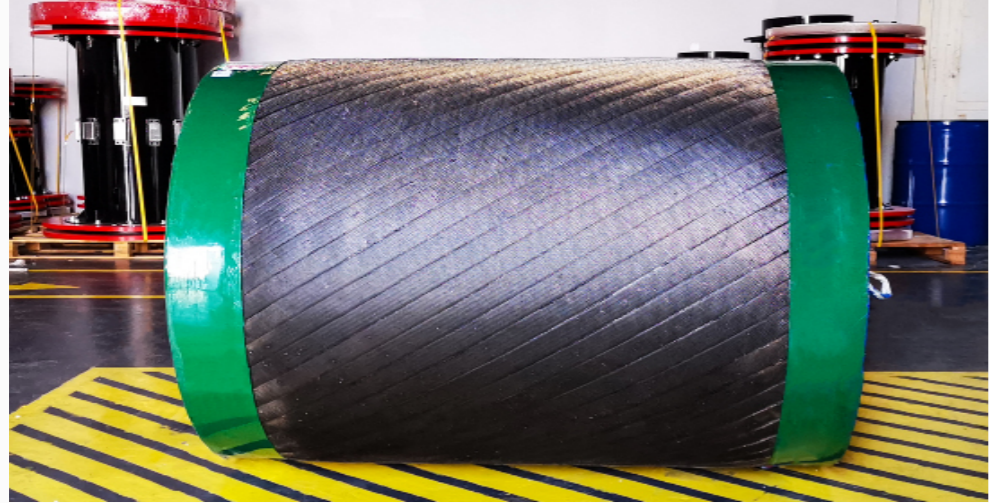
The company's versatile Pigs range can be used for pipeline scraping, cleaning, gauging, filling and drying ensuring the best performance. The following reveals the most popular products available, however, any conceivable configuration can be manufactured.

By utilizing MEM's pigging products, we offered our clients a lot of advantages. Starting from being close to the market around. MEM eliminated the need of long shipping time, very reasonable prices and highest quality possible.

FOAM PIGS

The company's versatile Foam Pigs range can be used for pipeline scraping, cleaning, gauging, filling and drying ensuring the best performance. Made of lightweight open cell polyurethane foam, foam pigs can be coated and adapted for best tracking.

These pigs are constructed of light, medium and heavy density polyurethane foam. They are constructed from an open-cell polyurethane foam with cylinder shape that can be coated with polyurethane based coating for more durability and can be customized to accommodate an assortment of situations. The following reveals the most popular styles available, however, any conceivable configuration can be manufactured.



Light Density: 1.5-2 lb/cu.ft (24-32 kg/cu.m)
Medium Density: 5-7 lb/cu.ft (80-112 kg/cu.m)
High Density: 8-10 lb/cu.ft (128-160 kg/cu.m)



Bare Foam Pigs

Bare Foam Pigs are primarily used for drying and sweeping of loose debris, sealing behind a stuck pig, batching operations and gauging of internal pipe conditions before extensive pigging.



Fully Coated Foam Pigs

Foam pigs can be coated and adapted for many activities like batching or de-watering...etc.



Criss-Cross Foam Pigs

The design is typically bullet shaped and constructed of foam with durable polyurethane elastomer coated in a criss-cross pattern.



Wire Brush Foam Pigs

Wire brush foam pigs are primarily used for regular maintenance applications and cleaning lines with buildup, rust or debris.

MECHANICAL BI-DI

A Mechanical pig comprises major main parts those are the Polyurethane Discs, Polyurethane Cups and the Metal Body that could be equipped with a lot of accessories based on the function the pig is required to achieve. Bi-Directional Standard Batching Pig comprises of Polyurethane Sealing, Guiding and Spacer discs those could be in minimum count of 2 x Guiding Discs, 4 x Sealing Discs and Spacers. A Uni Directional Mechanical Pig it counts in minimum 2 x Standard Polyurethane Cups. These arrangements and counts of either discs or cups would be different based on the activity the pig is required to achieve, the pipeline length and the changes of either the diameter or the thickness.

The Discs, Cups and accessories are mounted on a steel body tube that is held in position by metallic flanges and are designed in such a manner that they can be re-used repeatedly by only replacing the components.



MEM's metal bodies are fabricated to API & ASTM standard codes. The bodies are tested and checked as per the international standards then the process of assembly for all the components and accessories starts.



FEATURES

- Multi-functional.
- Replaceable Polyurethane Components.
- Durable and resilient Re-usable bodies.
- Customized sizes available from 2" onwards.
- Applicable to a wide range of gases and liquids.
- Excellent wear and abrasion resistance.

STANDARD PIG

Polyurethane Discs:

- Seal Discs Manufactured From 65°- 75° A Shore Hardness polyurethane to provide good seal flexibility.
- Guides and Spacer Discs manufactured from 85° A Shore Hardness polyurethane to support the pig.
- Metal body and flanges.
- Hex bolts, washers, and lock nuts.

MECHANICAL CUP PIG

Uni - Directional Batching Pig

Uni - Directional Batching Pigs are the simplest models of cup pigs. They are generally used as a barrier between two or more fluids flowing in the same pipeline and thereby reducing hazards and losses due to fluid contaminations. They are also used for removing the products from the pipelines. The conical cup design allows negotiation of pipes internal diameter. We could do th design so that the seals, spacers and guide discs can be placed on the same body, in place of the cups as per the requirements of the client.

Uni - Directional Cleaning Brush Pig

Uni - Directional Cleaning Brush Pig has a similar shape as compared to batching pigs. The main difference is that cleaning brush pigs has brush assembled along with the cups. There are basically 2 types of brushes that are assembled on the pig they are:

1. Circular Brushes
2. Spring Brushes

They are used for cleaning of rust, mud, sand, wax, oxides, unwanted organic materials or any other foreign particles present inside the pipeline.

Uni - Directional Gauging Pig

Uni - Directional Gauging Pigs basically has a gauge plate assembled with the pig. Gauging pigs are generally used to find out excess weld penetration or any other deformations like dents or thicker internal diameters. They are also used to prove the ovality of the pipe prior to caliper or intelligent pigging. These plates normally have slot cut in them to find out the deformation easily. Gauge plates are generally made around 5-10% lesser as compared to the inner diameter of the pipe. It's normally fabricated of Aluminum Alloy AA1100-H14.

Uni - Directional Magnetic Pig

Uni - Directional Magnetic Pig has high force Magnetic boxes fitted on the body. These are normally used for cleaning of any ferrous material that may present inside the pipeline. They are normally mounted on the center of the steel pig body.

Cup type batching pigs are used for standrd pigging operations such as filling and dewatering during hydrostatic testing, routine batching operations and product removal. Cup pigs can also be equipped with brushes, blades or gauging plates, allowing it to perform all the duties of batching, gauging, hydrostatic testing, product removal, pre-commissioning and on-stream cleaning.

 The cup design allows for negotiating multi internal pipe diameters and up to 20% reductions or deformations in nominal same size of a pipe. Cup pigs can be easily configured with discs in lieu of cups or adding guide, sealing and spacer discs for additional sealing capabilities.



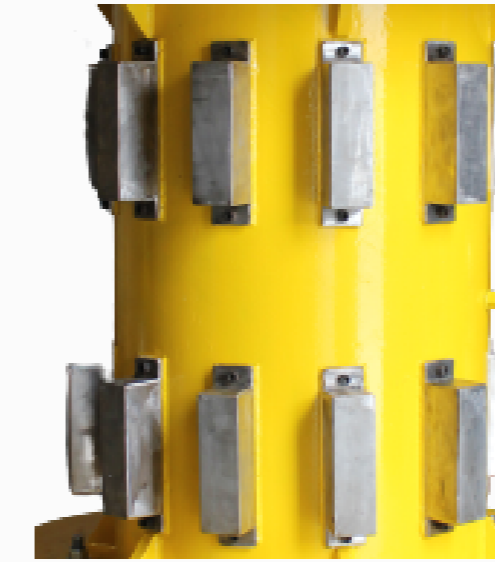
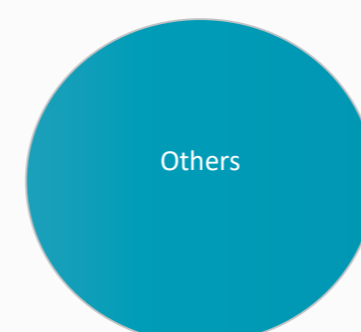
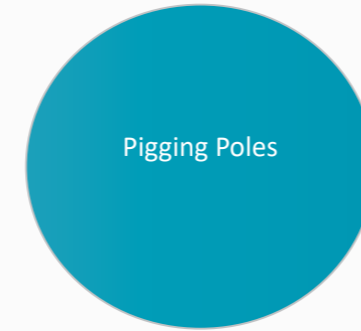
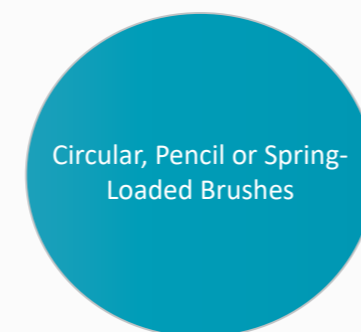
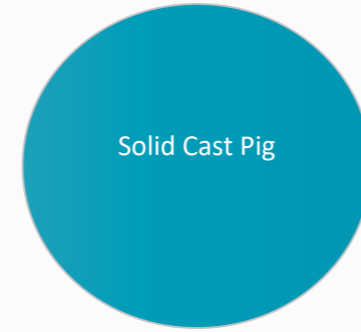
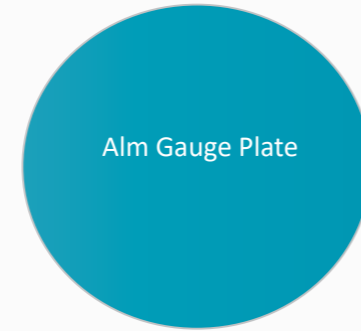
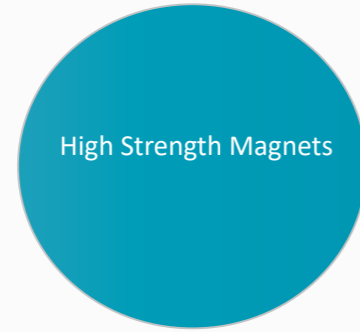
ACCESSORIES

In the Middle East Market, MEM has notched not only the pig manufacturing industry but also manufacturing of its accessories. MEM's pig accessories attain the highest quality that could be given in the market. We provide a wide range of accessories which include all kinds of spare parts and add-on components for the pigs and a variety of other equipment that could encourage the pigging process.

For cleaning and scrapping the pipelines, customized sizes of brushes can be designed for any schedules. Circular or Spring loaded brushes could be recommended based on the pipe size.

In many instances, metal and other ferrous materials get trapped in the pipeline.

High strength magnets are used to remove these particles.



High Strength Neodymium 52 Coated Magnets



Inflatable Stoppers (Up to 8bars Static Pressure)



MEM Intrusive Signaler (Magnetic - Mechanical Design)



Circular, Pencil steel and Nylon Brushes





Aluminum Alloy Gauge Plates



Tungsten Carbide Stud Discs



MEM Pigging Poles (All sizes)



Solid Cast Pigs (up to 24")



MEM EVERY WHERE

OUR OFFICES IN THE WORLD



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