



**H** **METAL**  
**o l a x**  
H O L A X H O L D I N G

## Our Values

We constantly push boundaries and embrace new ideas to stay ahead of the curve. Also, we are committed to delivering exceptional products and services that exceed customer expectations. It is our proud to operate with honesty, transparency and ethical practices in all of our interactions.

## Our Mission

Our mission is to empower businesses with transformative business solutions that drive efficiency, productivity, and profitability. We strive to understand the unique challenges our clients face and collaborate with them to develop tailored solutions that deliver tangible results.

## Business Strategy

What we wholly concern about in each cooperation chance is how to bring a project to completion victoriously and attract the specific attention and satisfaction of our partners. Also, keeping collaboration with our fellows is crucial for our company which gives us a unique opportunity to fulfil their needs.

## Abstract

Hereby, we would like to showcase the wide range of products offered by Holax Metal Company, a leading supplier of Spare Parts and Equipment in the world.

Also, we are pleased to declare that we could provide Mechanical Equipment and electrical equipment like Valves, Gear units, Motors, Compressor, Vibrator and Screen, Generator, Bearing, Reformer tube, Pipe and fitting, Fan, Pump, Generators, Low Voltage/Medium-Voltage Products. Each product is accompanied by detailed specifications, ensuring customers have all the necessary information for their specific requirements. Here we also highlight the company's commitment to quality, reliability, and customer satisfaction.

As the company offers competitive pricing and prompt delivery, clients can rely on us for their required products.

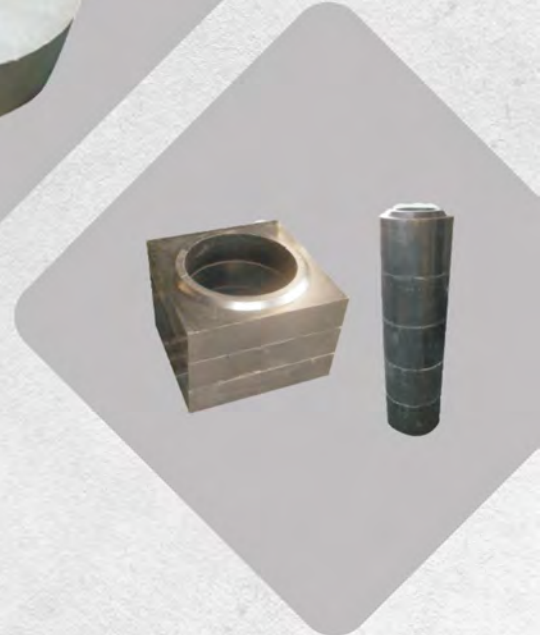
## Valve

Valve is categorized into mechanical devices that is, in general, responsible for doing specific functions based on its type (ball, pinch, gate, butterfly, check valve ,...); these tasks would be contained changing the pressure of flow, mixing of fluids or solids, controlling the amount and direction of flow and adjusting the flow and pressure of different fluids. Gate Valves, Globe Valves, Check Valves, Plug Valves,etc.



## Refractories

Refractory materials are used in furnaces, kilns, incinerators, and reactors. Refractories are also used to make crucibles and molds for casting glass and metals.



## Automation parts

An automation spare part is a part that someone can use to interchange a dysfunctional section of a machine with a functional one. It is usually kept as an inventory that can be used for repairs of several units of automobiles that need upgrading or replacement.



## Drives

drives are used to improve energy efficiency in most industries and applications, from single-phase residential and commercial buildings to huge all-electric drive systems that power entire natural gas liquefaction plants and gigantic gearless mill drives that grind ore and minerals into smaller pieces at mines.



# PLC

A programmable logic controller (PLC) or programmable controller is an industrial computer that has been ruggedized and adapted for the control of manufacturing processes, such as assembly lines, machines, robotic devices, or any activity that requires high reliability, ease of programming, and process fault diagnosis.



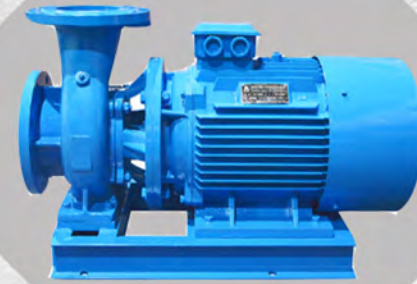
## Mechanical seals

A mechanical seal is a device that helps join systems and mechanisms together by preventing leakage (e.g. in a pumping system), containing pressure, or excluding contamination. The effectiveness of a seal is dependent on adhesion in the case of sealants and compression in the case of gaskets.



## pump

Pumps are used to move fluids from one point to another. This can include moving water for irrigation, pumping oil or gas for transportation or industrial processes, moving air in vacuum cleaners, and many other applications.



## Gear Units

Gear Units are the main parts of gear motors and necessary to turn the speed and torque of electric motors. The chief property of gear units is to regulate the speed ratio between input and output speed in machinery including pumps, trucks, power generation units, etc.



# Compressors

The compressor's main task is to change the volume or density of the gases (rather than fluids) through expanding pressure on it. Compressors look necessary and vital in food, chemical and petrochemical, energy, healthcare, automotive and textile fields and based on requirements of each industry, the manufacturers can choose between dynamic and positive displacement kinds and their subset. In below, we outline the common compressor types:

Rotary-screw compressor, Reciprocating air compressors, Centrifugal compressor, Scroll compressor, Diaphragm compressor, Dynamic compressor, Positive displacement compressor, Axial compressor,



## Low & High Voltage Motors

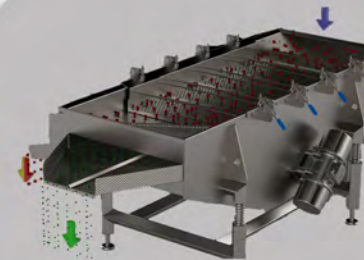
Low & High Voltage Motors are two main class of motors but with diverse voltage and applications. Generally, low voltage motors with power range of 200 to 690 V are suitable for electronic devices and automotive industry and less likely to injure; while the high voltage motors, owning output power of 45 to 230 kV, used for powering industrial machinery such as transformers, generators, motors and medical applicatio



## Vibrating Screen

Vibrating Screen is a machine that can separate the solid and liquid material of different sizes by vibration. Among the vibrating screen machinery, the linear kind is preferred for its high separation efficacy, fine grading, high screening capacity, minimum loss of material and separating solid from liquid.

Industries as diverse as mining operations, chemical companies and construction firms utilize these tools to help sort and clean items.



## Generators

Generator is an electrical AC/ DC -powered machine utilized for converting mechanical power resulted from gas, water and stream turbines to the electrical power; In general, hospitals, food processing, pumps, oil and gas and agriculture fields are in need electrical energy more than other industries for it is a clean source of energy, produces power based on device's requirement and provide continuous power.



## Bearings

Bearing is a part of machines such as airplanes, generators and automobiles that helps safe rotation of moving parts and ends in friction reduction between them. Totally, the bearing applied in different machinery according to the criteria involving allowed rotation, operation type and direction of applied force to the parts as well.



## Pipe and Fiting

Pipe Fitting is a connector that is considered as a key part of each pipe and helps the pipe system to distribute the fluids in the right way. Principally, the pipe fitting must be chosen based on the pipe system type and map to do its task as expected.





**Mobil**

## Lubricant Mobil Oil

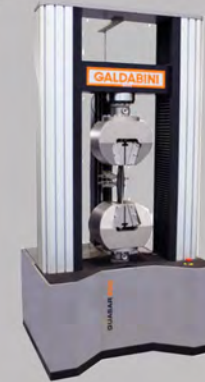
Mobil Vacuoline is worldwide brand of oil products known as the multi-purpose lubricant source for many industrial equipment that is originated in India.

Having specified balanced high-performance formula, different grade (ISO 150, ISO 220, ISO 320, ISO 460, ISO 680) and series (including 525, 528, 533, 537, 546 and 548), this product is suitable for applications using splash, bath and ring oil arrangements. Moreover, it would be applied for the system involving valves, pumps, auxiliary equipment and hydraulic systems where higher viscosity oils are specified as well. The significant features that inspire every one as a customer to use including:

- High resistance to oxidation and thermal degradation
- Outstanding anti-wear performance
- Excellent water separation characteristics
- Multiple application capability
- Good protection against rust and corrosion
- Resistant to the effects of prolonged high temperature

## **GALDABINI Universal Testing Machine**

A wide range of electromechanical materials testing machines suitable for bidirectional tests: tensile, compression, flexure, bending, cycle, constant load and many others according to International Standards or customer procedures



## Engineering Drives

Engineering Drivers and Applications Unit; specializes in distributing well-known and major brands in the heavy industrial sector, such as AG-OG Frequency Converters and motor brands, to provide energy efficiency services.

Our unit possesses the expertise and product range to meet all demands, including air-cooled systems, water-cooled DC bus systems, Regen, Low-Harmonic, medium-voltage soft starters, and medium-voltage drives commonly found in industrial processes.

As a reputable engineering firm with a history of successful projects, our primary goal is to provide industrial companies with the fastest solutions and technical engineering support they need.

### SERVICE SCOPE:

Iron & Steel Companies

Mining Companies

Marine

Petrochemical

Thermal Plant

Cement



## Automation EPC projects

The Automation Unit utilizes its engineering expertise and experience in industrial settings to offer services encompassing all aspects of monitoring and controlling process systems. The primary goal is to establish the necessary network, communication hardware, and software infrastructure to ensure the sustainability of the system, including the development and implementation of PLC, HMI, and SCADA programs.

A key focus area for the unit is the creation of monitoring and control software for energy storage facilities and EV Charger units, aligning with advancements in the energy sector. The Automation Unit, in harmony with innovative framework, is dedicated to supporting sustainability objectives, particularly within the energy domain.

### SERVICE SCOPE:

- Design and manufacture of automation panels
- Integration of data processing automation and software
- On-site facilities and commissioning
- Software hardware communications
- Engineering services



## Reformer Tubes

Reformer Tubes are tubes composed of nickel and chrome compound used for hydrogen production in steel making process through DRI mechanism. During this process, the nickel catalysts agents existed in these tubes are responsible for speeding up the reaction between water vapor and methane that terminated in construction of carbon dioxide and hydrogen.



## Solar Power Plants

Solar power plants are a profitable way of energy in terms of construction-operation costs and efficiency. It is one of the energy production systems of the future in terms of minimum damage to nature.

Solar power plants built on land are established to meet energy needs and for investment purposes.


Rooftop solar power plant applications offer advantageous usage areas to companies, residences, farms and agricultural irrigation areas by utilizing unused areas


### SERVICE SCOPE:


- Project design
- Design and Quotation
- Legislation and Permission Processes
- On-site Construction
- Operation and Maintenance




## GET IN TOUCH

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SCAN ME