



# شركة المشتري Jupiter co Pvt. Ltd.

The Boon of Technical نعمة التقنية

عبقرية في صناعة البتروكيماويات والمعدات وتوفير الحلول  
*Genius in petrochemical industry equipments & solution provider*



Tel: +973-17-874667 Mob: +973-39236574, E-mail: info@jems4u.com

## JEMS in Petrochemical Industry

JEMS is the pioneer in Petrochemical Industrial machineries since 1988, and we would like to introduce proudly with challenge in professional technical services & supplies in all kinds of used & new Machineries, equipments, spare parts and accessories in middle east countries.

We have well experienced qualified engineers technicians with well equipped workshop and able to provide fast & reliable service facility with guaranteed work perfection.

Head Office in Tamilnadu-South India: Our Branches in Bahrain-Salmabad, Saudi-Dammam, Qatar-Doha, UAE-Dubai, Singapore-Jurong and China-Shanghai.

## Our Mission

We are committed to providing the best and most cost-effective products and services to our customers. We serve diverse industries and offer a wide array of solutions. It is our mission to help our clients with practical, timely, and cost-effective waste management services and recycling solutions.



## Our Vision

A leading and profitable business in our field, while working toward constant development and growth together with our customers. To be an independent and neutral institute, providing professional services to support petroleum, petrochemical and related industries.



## Technical Assistance

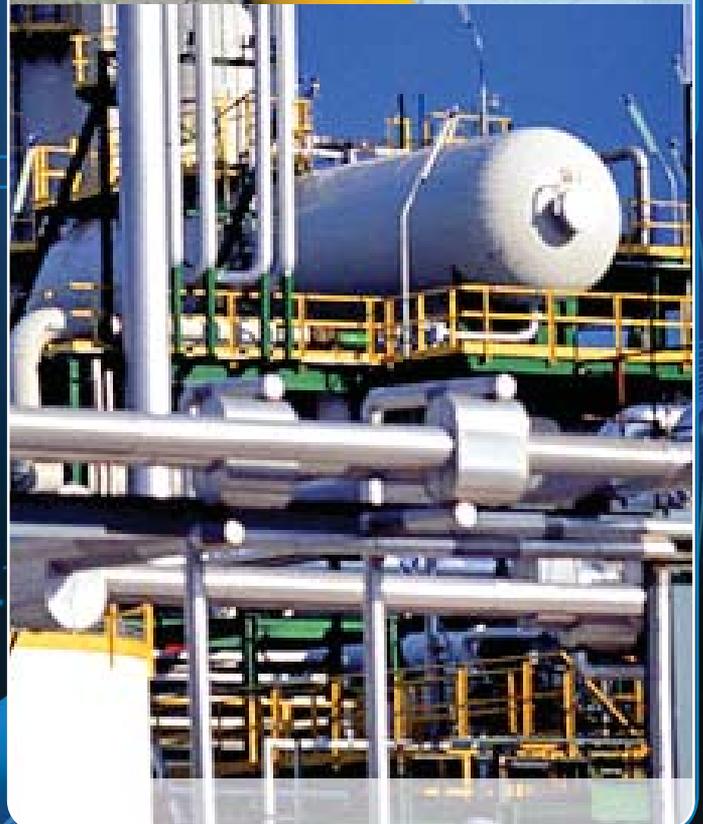
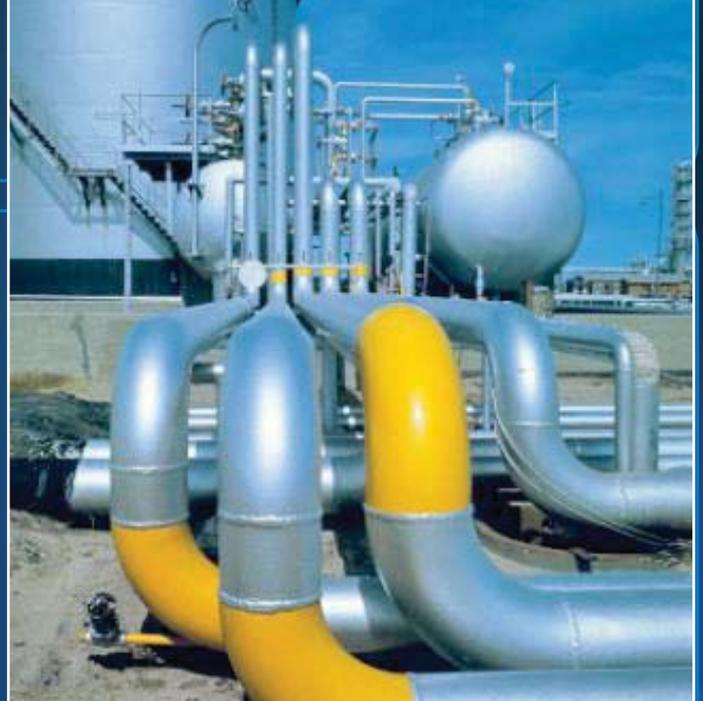
Jupiter engineers provide assistance to refiners in order to solve technical operating problems. This service has been provided by personal consultation or via telephone to over twenty different refining companies. Jupiter professionals have assisted refiners in avoiding problems which can lead to inefficient operations and reduced profitability. Jupiter offers a telephone consulting program whereby our company is held on retainer for a monthly fee and routinely assists in problem solving for our refining clients.

## Process Unit Monitoring & Optimize

Jupiter has developed techniques for monitoring the technical and economic performance of the FCC, hydrotreating and catalytic reforming units. We use these tools to analyze the operating parameters of the various processing units operated by our clients. The information generated is used to adjust operating conditions to overcome unit constraints and maintain an economically optimized operation. The diagram presents an understanding of the various tools and interactions which come into play in the FCC optimization scheme used by Refining Process Services.

## Test Run Services

Jupiter has perfected the art of reactor effluent overhead line sampling so that the difficult task of accurately determining yields from your FCC operation can be overcome. The test procedure eliminates the need to consider extraneous streams or rely on product meters when calculating product yields, thus enhancing the accuracy of the data. This technique is ideal for evaluating the effects of feed, catalyst, process & hardware changes. We can send our team of specialists to your site to provide your personnel with the equipment & training necessary to perform this technique on their own.



## Petrochemical Engineering Services

Petrochemical manufacturers rely on Jupiter in India to manufacture and supply quality engineered components, custom fittings and other solutions for refineries and the petrochemical industry. Chemicals derived from petroleum or natural gas are not easily attained. The engineering works behind petrochemical plants and related installations are complex and requires the expertise of skilled staff to build and maintain.

Jupiter petrochemical engineering services include but are not limited to the design, manufacture and supply of Orifice Plates, Thermowells, Flanges, Meter Runs, Venturis, Flow Nozzles and Manifolds. We are a niche manufacturer of petrochemical plant machinery and fabricator of custom engineered components and fittings required to keep petrochemical plants operational.

Assisting with breakdowns and the repair of petrochemical refinery machinery and plant equipment is what we do. Skilled engineering, reconditioning and the replacement of components big and small together with the manufacture and fabrication of complex parts and fittings are among the engineering services for petrochemical manufacturers that Jupiter Engineering provide.

Our expertise and knowledge, combines with full in-house machine shop capability to ensure quick turnaround and quality results. Wagma continually meets and exceeds client expectations by planning, controlling & continuously monitoring its processes. For the manufacture, reconditioning and replacement of worn or mismatched parts our petrochemical engineering company uses premium quality materials, components, skills and technologies.



## Offshore Drilling and Production

Jupiter provides various kinds of state-of-art services for contracting in oil and gas Industry, EPC, EM+PC, PMC etc. Its business mainly focuses on:

### Offshore Module

- Topside Modules for FPSO, FSO, TLP, SPAR and Platform
- Drilling Modules
- Derrick Equipment Set (DES), Accommodation Modules, Mud Modules, Power Modules
- Turret & Mooring Buoy, Workover Rig

### Offshore Drilling Rig

- Semi-, Jack-ups, Drillship, Drilling Tender, Drilling Barge

### Offshore Production Units

- Integrated decks
- FPSO FSO, TLP, FPU, SPAR
- Large jackets
- FPSO, Drilling Rig Repairs/Conversion

### Offshore Specialized Vessel

- PSV, AHTS, Diving Support vessel, Stand-by vessel, Seismic vessel, construction vessel, Pipe Layer, Semi-sub Heavy Lifter, and Windmill Installer, etc.



## Equipment Sales

### Mud Pumps

Jupiter has supplied equipment to the oil & gas drilling industry for more than a quarter of a century. In this time we have earned a reputation for only supplying premium products and service. Being a premium supplier not only means representation of premium brands, but also the commitment to invest in the manufacturing resources to meet the repair needs and supply requirements of our clients.

Our investment in manufacturing is a testimony to our commitment to remain a premium supplier to the oil & gas drilling industry. We have many design options from chain drive, belt drive packages, in-line or two piece packages. Over the years we have learned what works and what does not. We can take customer input and adapt a package to their needs.



### Drilling Rigs

Jupiter offers complete drilling rigs in the 800 to 2000hp range. Our rig systems are used both in internationally. All Jupiter rigs are fitted to conform with International standards. As an "one-stop-shop" to the oil and gas industry we can equip your rig to your specific requirements. We also ensure that the rig will comply with all standards applicable to the site location. Call to obtain details from one of our technicians regarding any specific requirements you have.



## Equipment Sales

### Tables

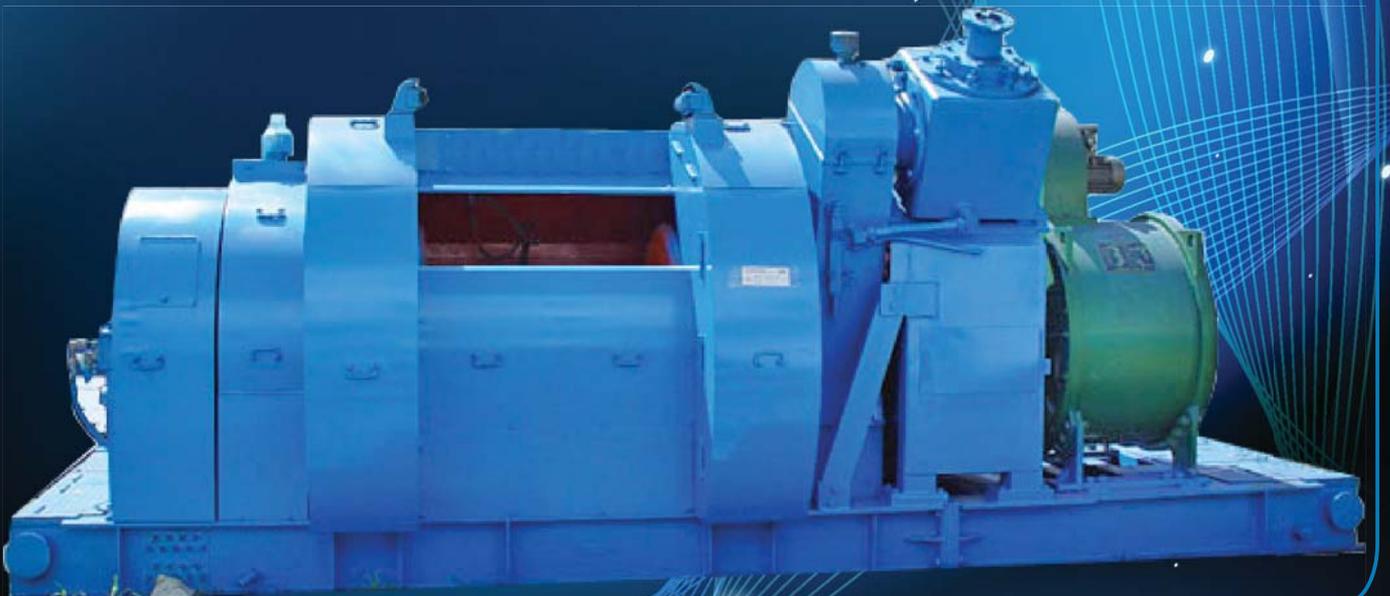
The rotary tables we offer are in the range 17.5" to 37.5" for further details please contact our sales office.

Bridges Equipment manage lines for domestic and international table manufacturers. We have earned a reputation for only supplying premium equipment. We carry a complete parts inventory for all the tables we offer and our technicians are fully trained on all the systems we supply.



### Drawworks

Bridges Equipment's experience in supplying drawworks, coupled to our extensive manufacturing capability, led to the development of the Bridges MI-1000 a true 1000+ hp drawworks. After extensive research, we have engineered our drawworks to hold up to the rigorous requirements of the industry. Our drawworks are designed for versatile operation with eight hoisting speeds, four rotary speeds, and reverse. Our drawworks offering now includes several mechanical and electrical driven packages. Our experience has shown us what works well and what does not.



## Equipment Sales

### Engines

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### Rigs

We supply a full line of drilling rig packages: skid-mounted drilling rigs, truck-mounted drilling rigs and trailer-mounted drilling rigs. Our skid-mounted drilling rigs include diesel electric AC/VFD or DC/SCR drive rigs, mechanical drive rigs, and combination drive rigs, from 1,000 HP to 6,000 HP. Our truck-mounted drilling rigs range from 450 HP to 1,000 HP.



## Petrochemical Equipments & Spares

Jupiter is committed to going to any lengths to provide its customers with specialist distillation equipment spares.

We have dedicated specialists to provide a unique service in the provision of all types of equipment and spares, from all manufacturers. We are not restricted to a particular manufacturer and can therefore provide a one stop source for a full range of products from various manufacturers.

Utilisation of our resources, by combining different products and manufacturers, provides our clients with considerable savings, not only for the products but also in both communication and freight costs.



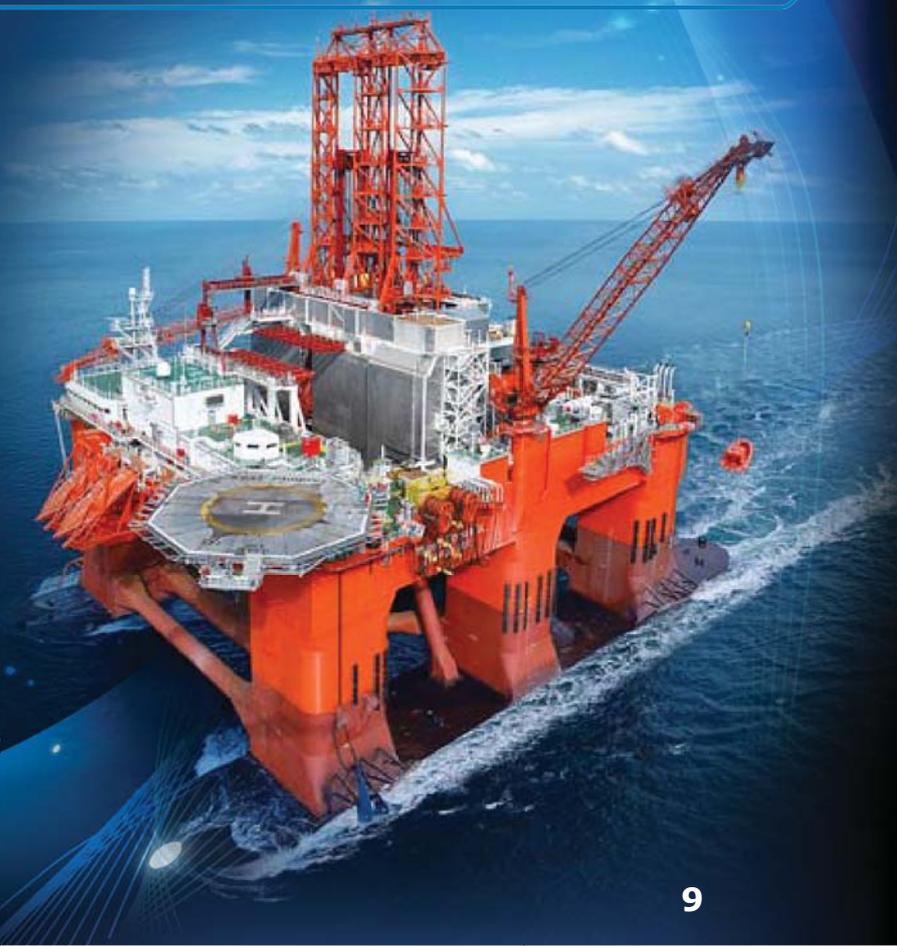
## Equipment Procurement

We go to great lengths to provide the best possible service to our clients with periodic order tracking and expediting to ensure you receive your equipment when you need it. We have teamed up with expert freight forwarding companies to ensure shipments are packed properly, to avoid damage, and all required documentation is completed properly, to speed clearance thru customs.

For repeat customers, we dedicated one contact person for all of your shipments to facilitate good communications between Vendor – PEG – Client.

In addition to the engineering and custom designed equipment listed, here is a sampling of items we are able to source for our clients:

- Circulators
- Electric Motors
- Fasteners
- Gear Boxes
- Heat Exchanger / Evaporator Tubes
- Instrumentation (Pressure Transmitters, Flow Transmitters, Level Sensors, Density...)
- Insulation
- Mechanical Drive Components (Gears, Chain)
- Mill Spares
- Pipe (fittings / flanges)
- Pumps
- Sight / Light Glasses
- Spare Parts
- Valves (Manual, Control)
- Welding / Cutting Equipment & Supplies



## Lifting Equipment and Cranes

We offer a variety of overhead lifting equipment for industrial, energy, commercial and institutional use. We supply a wide range lifting equipments for the Oil& Gas projects. Our range of products includes Hoists, Winches, Elevators, Cranes, Pipe Layers, Loaders, Work Area Cranes, Electric Chain Hoists, Heavy Duty Lifting Slings etc.

### Overhead Lifting Equipment

We supply and assist in installation of overhead gantry cranes and steel work, vacuum lifting equipment, jib cranes, Hoists, Cranes, Slings.

### Lifting Equipment, Cranes and Winches

Flexible Pipe Laying Systems, Chain Tensioners  
Air, Electric & Hydraulically Powered Chain Hoists  
Deck Machinery - Winches and Cranes  
Electric and Automation Engineering  
Explosion Proof Air Powered Lifting Equipment  
Explosion Proof Cranes, Hoists and Winches  
Heavy-Lift Professional Transport Solutions  
High-Tension Spooling Services  
Hydraulic and Electric Traction & Storage Winches  
Lifting and Rigging Equipment  
Offshore Equipment and Systems  
Offshore Cranes and Related Lifting Appliances



## Transformers and Generators

Transformers, Generators, Power Distribution, Circuit Breakers, Switch Gear  
Jupiter supplies Transformers and Generators to Refinery, Petroleum, Petrochemical and other process industries.

We supply a wide range of distribution, power, dry type, cast resin and traction transformers, along with flameproof transformers and switchgear. Power transformers ranging from 3000kVA to 100 MVA and voltage classes up to 230 KV for liquid filled transformers and 3000 kVA to 15MVA for cast resin transformers.

Our electric generator sets are ideal for all Industrial, commercial and residential use. We supply diesel fueled Gensets starting from 5.5 to 9 KVA for the small office and domestic use to 2,000 MW or more custom built Generators to meet the customer requirement.



## Services & Expertise

Jupiter expertise in all areas of column turn-arounds allows it to offer the full range of services for its customers. Its multi-national, on-site team is trained to the highest levels to offer the complete package on every project.

## Shut Downs

Jupiter has the experience, the talent and the equipment to provide a total column shutdown service, regardless of size or scope. From entire plants to single columns, Jupiter customers trust them with the full spectrum of shutdown services.

Whether shutdowns are required for maintenance, repair or installation, it's a major project that demands total professionalism and faultless execution.

## Repairs

If any column on your plant is suffering from poor performance, it's critical that it's dealt with as a priority.

Jupiter can assist with many aspects of column turnaround repairs. From nozzles and strip lining to new tower sections, Jupiter expert repair work is of the highest standard, and executed in accordance with all international standards.

## Inspections

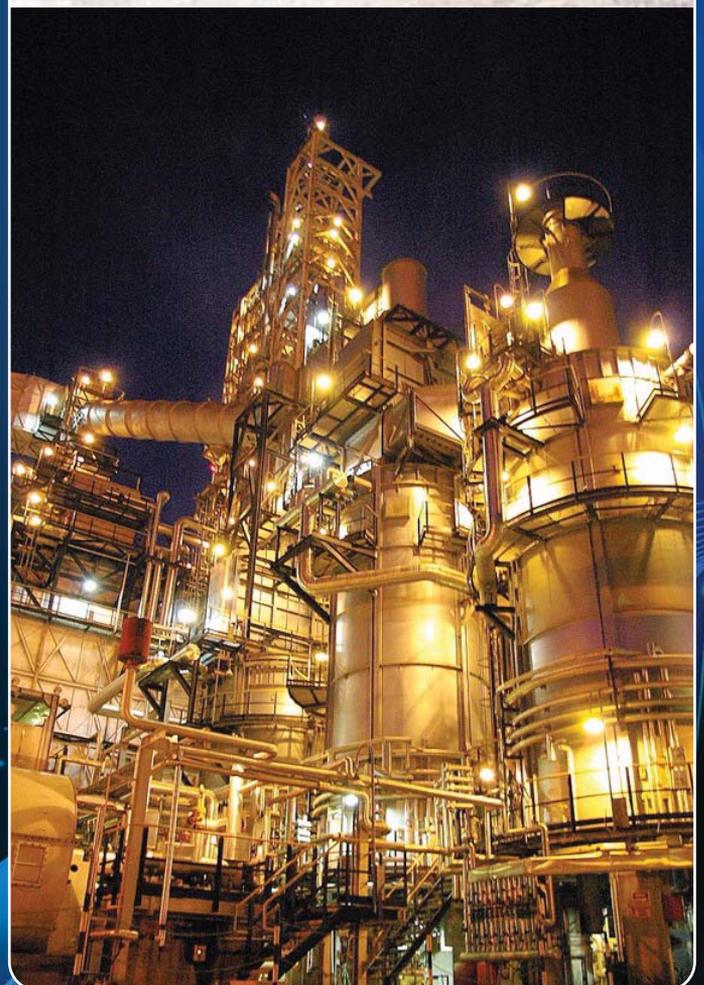
There's no margin for error in this industry. Every piece of equipment must be 100% functional, with absolutely no exceptions.

Experienced Jupiter engineers provide meticulous on-site inspections, ensuring total safety and efficiency, before providing a detailed breakdown of their findings and suggestions.

## Maintenance

With complex and high-specification equipment, the safeguarding of these component parts is essential to the continuation of your plant performance.

To keep your facility running at peak efficiency, Jupiter technicians also specialise in maintaining any existing column and tower equipment.



## Installation Services

Installation services form a major part of Jupiter professional remit. High-profile clients rely on Jupiter time and time again to get the job done right, on time, within budget, and to the highest standard.

Jupiter relationship with major distillation equipment manufacturers enables it to supply the right products for almost any column. If parts no longer exist, Jupiter Limited can arrange for them to be tailor-made to your exact needs.

## Manufacture

From years of experience at the highest level of the refining and petrochemical industry, Jupiter has worked extensively with highly regarded and specialist distillation equipment manufacturers, both in the UK and across the world.

These strong relationships have culminated in Jupiter receiving the backing of these firms to produce parts, such as trays and column internals, to suit every requirement.

## Repairs

No refinery or petrochemical plant can afford to work with defective equipment.

From time to time, repairs to specialist equipment are essential, and Jupiter engineers can repair any aspect of your column to perfect working order, preventing unnecessary downtime or hazardous conditions.

## Spare Parts

Because of its relationship with leading equipment manufacturers, Jupiter can provide its customers with specialist distillation equipment spares, fulfilling almost any requirement.

This flexible approach to the supply of equipment enables Jupiter to meet customer needs for the critical delivery of trays, internals, spares and hardware both before and during an event.



## Automation & Controls

Jupiter supplies to the oil and gas production and processing industries, Petrochemical industries that require the automation systems, software and services to run operations productively. We deliver complete electrical and automation systems to the oil & gas and petrochemical projects.

Automation Systems and optimization of natural gas production. The system supports many different and diverse automation equipment.

Automation for Marine and Offshore - automated control and monitoring systems.

Intelligent solutions for production optimization through automation for all forms of artificial lift using well site and desktop intelligence as well as control systems for onshore and offshore.



## Fire Protection Equipment

Jupiter supplies a wide range of fire protection equipment.

- Nozzles
- Breathing Apparatus
- Special Tools
- Valves
- Rescue Equipment
- Fittings

### Fire Protection Equipment and Safety Equipment Detection and Measurement Systems

- Combustible and toxic gas monitoring systems
- Optical fire detection systems
- Hazardous area alarm devices
- Passive fire protection systems for cable trays.

### Combustible and Toxic Gas Detector Infrared Hydrocarbon Gas Detector

- Electrochemical gas detectors

### Fire Protection & Detection Systems

- Infrared Combustible Gas Detection
- Fire and Gas Detection System
- Passive Fire and Blast Protection Systems



## Equipment Sales

### Rebuilt swivels



We have a large inventory of both new and rebuilt swivels, let us know what you are looking for and we can rebuild it from our large inventory or order you a new one.

### Bare Pumps

The Compressor Pump Is The Core Of A Compressor; That's Why All Nu Air Groups Are Designed And Realized To Ensure High Performances, Efficiency And Reliability Over The Time.



### Hydraulic Power Clamp



The clamp from the torque hydraulic motor driven back by clamp rack plunger drive, drive concise, compact structure.

### Hydraulic Power tong



The drill pipe tong is applicable in the petroleum and mine drilling, it is safety and labor saving, and improving the working efficiency. Its using pneumatic power to shift and drive backup tong It is a integral mechanism during operation

### Oil production wellhead

The gate segment and gate valve, needle valve all adopt build-up welding head metal alloy. All pressure parts and flanges adopt forged pieces of high quality alloy steel, which have been given the non-destructive testing to ensure safety.



### Gear Reducer



The Jupiter Double Reduction Gear Reducer pumping unit gearbox uses a cast-steel and forged-steel combination of gearing.

## Machineries, Equipments & Parts

### Pumping Unit



Pumping Units are among the commonly used ground-based machinery for petroleum extraction on oil fields.

### Worm Gear Reducer



Planet cone-disk stepless reducer can be widely used in need to speed automatic production, transmission line etc.

### Tubing Spiders



Oilfield Equipment Supplies Using 31/2" slip body assembly, Tubing size capacity is 23/8" through 31/2"

### Mud Pump



Continuous tooth herringbone gear, One-piece alloy steel crankshaft, Renewable Crosshead Guides.

### Kelly Bushings



Pulling out or feeding off string can be done while rotating; Because of its intergral construction.

### Drill Pipe Slips



Full distribution of load through out the length of the slips which helps in preventing bottle necking damage of drill pipes.

### Tubing Spiders



Tubing spiders use two slip body assembly halves. A pneumatic or hydraulic cylinder actuates a link.

### Sucker Rod Elevators



Safe efficient handling of Sucker Rod sizes from 5/8" through 11/8".

 H.O: INDIA

**(JEMS) Jupiter Equipments Manufacturer & Supplier Pvt Ltd.**

Main Road, Pathur 613705, Tiruvarur-Dt, Tamilnadu, S. India

Tel: +91-4366-232333, Mob: +91-95000 60000

E-mails: [info@jems4u.com](mailto:info@jems4u.com) [india@jems4u.com](mailto:india@jems4u.com)

Skype: [jupiter-india-h.o](https://www.skype.com/jupiter-india-h.o) Web: [www.jems4u.com](http://www.jems4u.com)

Main Branch

 BAHRAIN

**JEMS Co.W.L.L**

Salmabad, Kingdom of Bahrain

E-mail: [info@jems4u.com](mailto:info@jems4u.com)

Skype: [jupiter-bahrain-br](https://www.skype.com/jupiter-bahrain-br)

 CHINA

**JEMS Trading Co Ltd.**

Shanghai, China

E-mail: [china@jems4u.com](mailto:china@jems4u.com)

Skype: [jupiter-china-br](https://www.skype.com/jupiter-china-br)

 QATAR

Industrial Estate, Doha Qatar

E-Mail: [qatar@jems4u.com](mailto:qatar@jems4u.com)

Skype: [jupiter-qatar-br](https://www.skype.com/jupiter-qatar-br)

 DUBAI UAE

Industrial Zone-1, Dubai UAE

E-Mail: [dubai@jems4u.com](mailto:dubai@jems4u.com)

Skype: [jupiter-dubai-br](https://www.skype.com/jupiter-dubai-br)

 SAUDI ARABIA

Industrial Area, Dammam

Skype: [jupiter-saudi-br](https://www.skype.com/jupiter-saudi-br)

 SINGAPORE

Jurong West Singapore

Skype: [jupiter-singapore-br](https://www.skype.com/jupiter-singapore-br)

We Solicit Agent, Dealers, Distributors, Marketing.  
Technical Service Support Enquiries & Information:

Contact for Middle East :

**R. Jehan** (Sales & Sr Manager)

Mob: 00973-39236574

Tel : 00973-17-874667

E-Mail: [info@jems4u.com](mailto:info@jems4u.com)

