



**POWERMASTER**

# **BOLTING / TENSIONING SERVICES**

*Tools for every conceivable need.....*

[www.powermaster.in](http://www.powermaster.in)

# SERVICE PROFILE

## What We Do...

We provide the oil and gas industry with a fully integrated bolting and flange management and support service capable of delivering complex flange management construction for shutdown and turnaround scopes.

**POWERMASTER** has significant experience in supporting clients to reduce shutdown time through developing integrated plans for shutdown work scopes.

**POWERMASTER** can deliver all activities within a shutdown work scope, including flange face machining and bolting and pipe cutting.



## Bolting Services

Powermaster Bolting Services offers the following advantages :

- **Safe** : Powermaster supervisors ensure a trouble free job.
- **Fast** : Skilled and experienced crew will allow the job to be completed faster and better than a 'First Time' crew.
- **Economical** : Since most companies use hydraulic bolting tools for a small part of the year, in a lot of cases it does not justify the large investment needed to purchase the tools.
- **Time Saving** : Since Powermaster carries a fleet of hydraulic bolting tools in its ISO-9001:2015 certified facility, our crew can be on site and on the job in matter of days, versus the weeks and sometimes months it takes for a company to purchase and commission a new set of hydraulic bolting tools.



# OFFICES AND WAREHOUSE

## Corporate Headquarters

A-701-702, T.T.C. Industrial Area,  
Mahape - Turbhe Road,  
M.I.D.C, Khairne,  
Navi Mumbai - 400 705, INDIA.  
Tel : +91.22.6761 9100



**A-701/702 HEAD QUARTERS - 120,000 sq.ft.**



**BOLTING TOOLS FACILITY - 45,000 sq.ft.**



**BOLTING TOOLS RENTAL FACILITY - 40,000 sq.ft.**

## Warehouse

A-660, T.T.C. Industrial Area,  
Mahape - Turbhe Road,  
M.I.D.C, Khairne,  
Navi Mumbai - 400 705, INDIA.  
Tel : +91.22.6761 9100

W-224, T.T.C. Industrial. Area,  
Thane - Belapur Road,  
M.I.D.C, Khairne,  
Navi Mumbai - 400 705, INDIA

## Locations

**India :** Mumbai, Pune, Vizag, Dahej, Chennai, Rourkela, Achad, Hazira.

**Outside India :** Houston Texas (USA), Wuppertal (Germany) Sharjah (UAE),  
St. Louis, Missouri (USA), Kuala Lumpur (Malaysia)

# ACCREDITATION

**We offer premier field services that are the best in industry.**

We will produce products equal to or better than the best available in the world. At the same time we also must provide our customers with added values.

Powermaster recognises that the maintenance of quality standards in all activities is the key to our success and reputation. The company is therefore committed to a policy to provide a service which fulfils the requirements and expectations of our customers in all ways and also where necessary meets with regulatory requirements.



**ISO 9001:2015**



## Powermaster Quality Accreditation

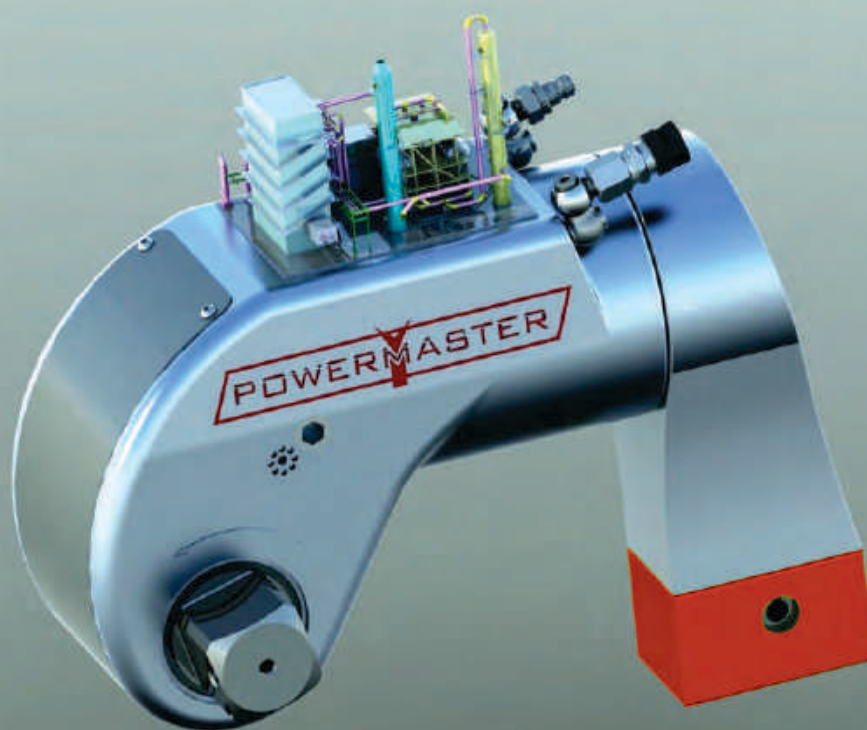
In order to achieve the commitment, a documented quality management system has been established with following certifications.

- **ISO 9001:2015** is a model for quality in production, installation, service, design and development. The system of procedures that we follow in Powermaster conforms to the guidelines of the ISO-9001 model.
- **Crisil Verified** : Skilled and experienced crew will allow the job to be completed faster and better.
- **CE** : All products supplied by Powermaster have been lab tested and conform to the **CE** specifications of the European community.
- Powermaster employees are trained and encouraged to follow the principles of **Six Sigma**.
- In its commitment to the environment, work is currently underway to conform to the ISO 14000 environment management standards.

# AT POWERMASTER

## We power the tools that drives your bolting requirement

- A dedicated team of experienced engineers to support all client enquiries.
- 24/7 response for technical queries.
- Industry leading procedures and operational knowledge gained over 20 years in the industry.
- In-house capability for bespoke solutions. The requirements set for bolted connections with regard to quality and reliability are substantial. Developments in bolt materials and gaskets now lead the requirement for good pre-calculated tension in bolted connections.



## What can you hire at POWERMASTER?

Powermaster has wide range of bolting tools and pipe cutting tools to complete jobs for our customers and maximize every result as follows:

- Hydraulic bolt torquing,
- Hydraulic bolt tensioning,
- Nut splitters,
- Flange spreaders,
- Pipe cutting and bevelling machines,
- Associated products like impact sockets and accessories

POWERMASTER offer a range of portable pneumatic or hydraulically operated machines enabling pipe cutting on almost any size, schedule or material of cylindrical pipe.

Powermaster utilizes highly durable lightweight machines that can be used in any environment. The split frame design of these machines allows minimum set up time and ease of operation. These machines can be driven by either hydraulic or pneumatic motors.

# REPAIR

**We provide industrial tool repairs for torque and tension equipment.**

A part of our dedication to providing our customers the highest quality and service, we offer exhaustive tool repair services for all of our products.

Our advanced 120,000 Sq ft. facility offers high quality tool calibration services, repairing service, preventive maintenance programs and 24/7 service for all your tools and torque equipment.



## **Why Use Team Powermaster? A Superior Repair Experience..**

Our technicians pursue a standard of high quality with pride in a torque tool repair and servicing job well done. These technicians have mastered the art of torque tool repairs and calibrations with a combined total valued experience. They constantly provide a balance of great turnaround time and exceptional quality in torque tool repair and servicing.

We know that you have a job to do, which is why we strive to minimize downtime. Often, repairs can be done in house, offering you the fastest turn around time on your tool repair. Our ability to meet your tooling repair needs is not limited to our products, as we also can repair tools from brands we do not carry.

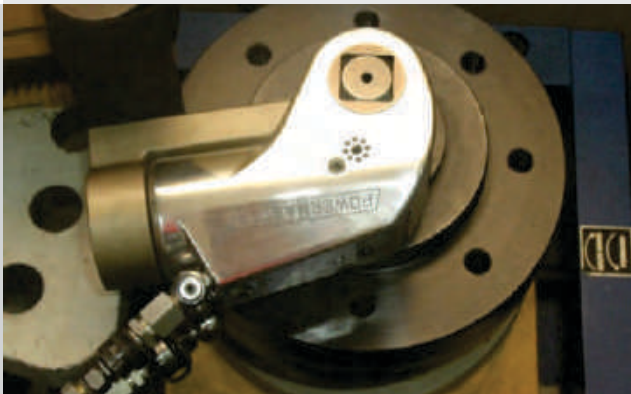
When you buy hydraulic bolting products from Powermaster Bolting, you can rest assured that we have you covered if repairs are ever needed.



# CALIBRATION

## Providing precise tool calibration services for hydraulic, pneumatic bolting tools

At Powermaster Bolting, we know that it's important that your tools, regardless of type, be inspected and accredited or calibrated every year to ensure your safety, performance, and reliability. Which is why we are not only an industry leader in critical bolting applications, but also renowned for our professional calibration services.



### Our Tool Calibration Services

We can calibrate, test and certify all of the followings:

- Hydraulic Torque Wrenches (Square Drives and Cassettes Series)
- Pneumatic Torque Wrenches
- Nut Splitters
- Manual Torque Wrenches
- Impact wrenches
- Bevelling Machines

**6 Calibration station capacity ranging from 10 Nm. to 100,000 Nm.**

Powermaster offers 24-hour emergency mobilization and expert bolting technicians. In addition, we specialize in on-site wind turbine foundation tensioning that is a critical bi-annual service.

For information about our calibration services, contact Powermaster.

# BOLTING TRAINING

## We offer hands-on training on bolting tools

POWERMASTER tools training helps the participant awareness of safety and maintenance issues using hydraulic and pneumatic tools and accessories. This improved knowledge leads to higher quality and sustainable cost reductions for our business partners.



## Understanding bolting and ensuring the correct use of tools

Training in torque tightening, bolt load and relevant tooling including:

- Bolting concepts and technology.
- Bolting terminology.
- Tool selection and safe use.
- Relationship between applied torque and achieved load.
- The effect of lubrication.

We offer training tailored to your requirements.



# ONSITE

## Our field technicians provide bolting services on site to move on your project.

Powermaster's advisers are specialists who will gladly look in-depth at the applications you wish to use your tools for and provide you with tailored advice. Other forms of service such as repairing of tool (also onsite) and calibration form a part of Powermaster's services.

Our field technicians have the experience and knowledge to move on your project, save bolting time, increase production, and reduce downtime through on site bolting services. As bolting experts, we utilize knowledge and experience of plant unit turnaround, shutdown and maintenance construction, new plant construction, power generating facilities, wind turbine maintenance and construction, and various other customized onsite bolting services and applications.



## Our On Site Bolting Service

Powermaster Bolting provides project supervision for your onsite employees. We can also send our technicians and equipment to perform critical torque and tension applications.

We are available for 24/7 emergency on site training for:

- Petrochemical plants
- Refineries
- Wind energy
- Foundation tensioning
- Tower flanges
- Solar power plants
- Power generation facilities
- Pipeline
- Hydra power plants
- Steel plants
- Speciality manufacturer
- Heat exchanger fabrication
- Cement Industry

Powermaster Bolting celebrates a sterling reputation as one of the most trustworthy and versatile providers of field services for critical onsite bolting applications.

# MOBILE UNITS

**Providing versatile bolting service with our mobile unit division.**

At Powermaster Bolting, we specialize in creating customized capabilities for any bolting job, which is why we have launched a mobile unit division.

We know that on site industrial bolting can be essential and our mobile unit can provide more versatile service than ever before. Whether you need on site calibration services for hand torque wrenches and hydraulic wrenches, on site training and repairs for Products, or help maintaining a strong product inventory, Powermaster's mobile unit provides the elite service you need.



## Mobile Unit Bolting Services

Powermaster Bolting consistently strives to offer customer training, equipment, spare parts and direct expert services. Our mobile unit services include:

- Hydraulic Torque Wrenches
- Hydraulic Bolt Tensioners
- Hydraulic Wrench Pumps
- Tensioner Pumps
- Pneumatic Torque Wrenches
- Nut Splitters
- Flange Spreaders
- Repairing Kit
- Calibration Setup
- All type of Fittings and Hoses

Our mobile unit service line is the latest testimony that Powermaster service is unparalleled in the industry.

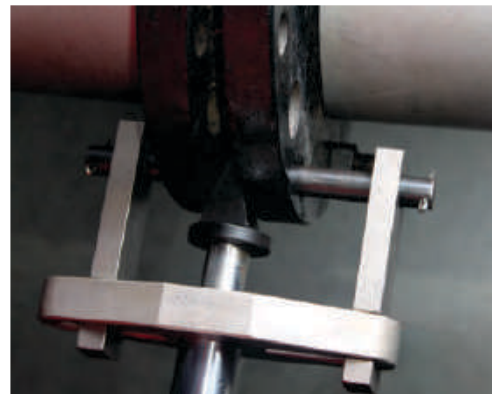


# RENTALS

**We provide tool rental for critical bolting applications.**

Looking for a bolting tool rental rather than outright purchase? Powermaster Bolting can help!

We understand that critical bolting applications can be tough on your gear - tools breakdown, need repair, or sometimes just aren't readily available. We offer a range of bolting rental tools so that your job can continue while bolting tools are being repaired or acquired.



**POWERMASTER is a name to think with focus on:**

- Even Bolt loading.
- Precision-bolting in confined spaces.
- Shortest possible mobilization time.
- No re-work due to right bolting at first time.

**We cater rental services to the following sectors:**

- Oil & Gas
- Power Generation
- Petro Chemical
- Mining / Construction
- Military
- Wind Energy



# RENTAL STOCK

## Largest rental fleet of tools in india

At POWERMASTER, we specialize in creating customized capabilities for any bolting job, which is why we have huge stock.

All of our rental products are carefully inspected on a regular basis to ensure they meet both our stringent performance criteria and your critical requirements.

In addition to the extensive range of products available for hire and rental, POWERMASTER also keeps a large rental stock of bolting equipments.



## Rental fleet

Almost all hydraulic and pneumatic torque wrenches, pumps, hoses and drives that we have available to rent; from the smallest to the largest sizes. Our rental service is not limited to torque wrenches and pumps as we also have other products available to rent, such as Back-Up wrenches, nut splitters, flange spreaders, pipe cutting and bevelling machines.

### Average Inventory for immediate mobilization:

- Hydraulic Torque Wrenches - 400 nos.
- Bolting Tensioners - 1000 nos.
- Hydraulic Spreaders - 50 nos.
- Flange Facing Machine - 30 nos.
- Pipe Cutting and Bevelling Machines - 30 nos.
- Hydraulic Torque Wrench Pumps - 200 nos.
- Bolting Tensioners Pumps - 100 nos.
- Nut Splitters - 50 nos.
- Pneumatic Torque Wrenches - 50 nos.

Supplied with a valid calibration certificate, if required.

# SOFTWARE

## Takes The Difficulty Out Of Bolt Tightening Calculations

Powermaster software permits users to manage and calculate bolt tensioner pressures. It has been designed with the vision of minimum input and maximum output. Documentation for multiple bolted joint projects can be created quickly with minimal operator input. The software contains data for the following standard bolted flanges.

- ANSI B16.5
- ANSI B16.47 Series A
- Manual Input

## Bolt tightening software for use with both **Tension** and **Torque**



## Bolt Tightening Software Features

- **Bolt Properties View** Displays the bolt material specification, bolt yield strength, tensile stress area and required bolt length.
- **Bolt Stress Graph at the First Sight:** The Powermaster Bolt Tightening software in many cases would recommend a preferred bolt stress based on bolt loads specified in the different bolt flange specifications. This software can also be used on non standard bolted joints. In "Manual Mode" the user enters the information such as bolt diameter, clamp length & bolt load and the software will select the suitable Powermaster tool and generate the desired pressure and tightening sequence to apply the selected tool.

The software generates a live bolt stress graph so that the user at first sight can see what proportion of the bolts tightening capacity is used.

- **Tightening Sequence :** Displays the torque sequence and application torque value when bolting method selected is TORQUE . Torque value will be displayed in Nm and ft-lbs.
- **Tightening View:** Displays details of bolt stress, bolt load and percentage bolt yield.

You can download our Bolt Tightening Software and Manual directly from our website [www.powermaster.in](http://www.powermaster.in)



# BEVELLING MACHINES

**Worldwide acceptance due to their rugged design, broad range and superior performance.**

POWERMASTER operates a worldwide Rental Service for beveling machines, and is a world leading supplier to many of the world's leading power utility companies and sub-contractors.

POWERMASTER Rental Division has vast stocks of Pipe Cutting and Beveling Machines.



## Features of Beveling Machines

Beveling Machines are manufactured on the latest state of the art machining centers that ensures high accuracy and zero defects. They are fast, accurate and easy to set up and use. Available for internal tubes and pipes from 1/2" ID to 24" ID (12.7mm to 609.6mm) and external tubes and pipes in the size range of 2" ID to 60" ID (50.8mm to 1524mm).

Externally mounted is a split frame, clamshell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the size range of 2" ID to 60" ID (50.8mm to 1524mm) in external diameter.

It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping industry.

Motors manufactured by the leading German manufacturers of motors, bearings from the world's largest manufacturer and gearing that is precision manufactured and hardened using the automated heat treatment plants makes the Powermaster range of beveling machines the world's preferred choice !



# CUSTOMER'S WE SERVE

**Their success, our success**

We're proud to be helping our customer's work faster, smarter and be more responsive - across all kinds of industries and business.

We helped our customers achieve their goals, stay on the leading-edge of innovation, and as a result become more profitable.

## Oil & Gas



## Steel Mills



## Heavy Engineering



## Pumps & Valves



## Wind Energy



## Hydro & Thermal



## Petrochemicals



## Fertilizers



## Offshore



## Cement Industry



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