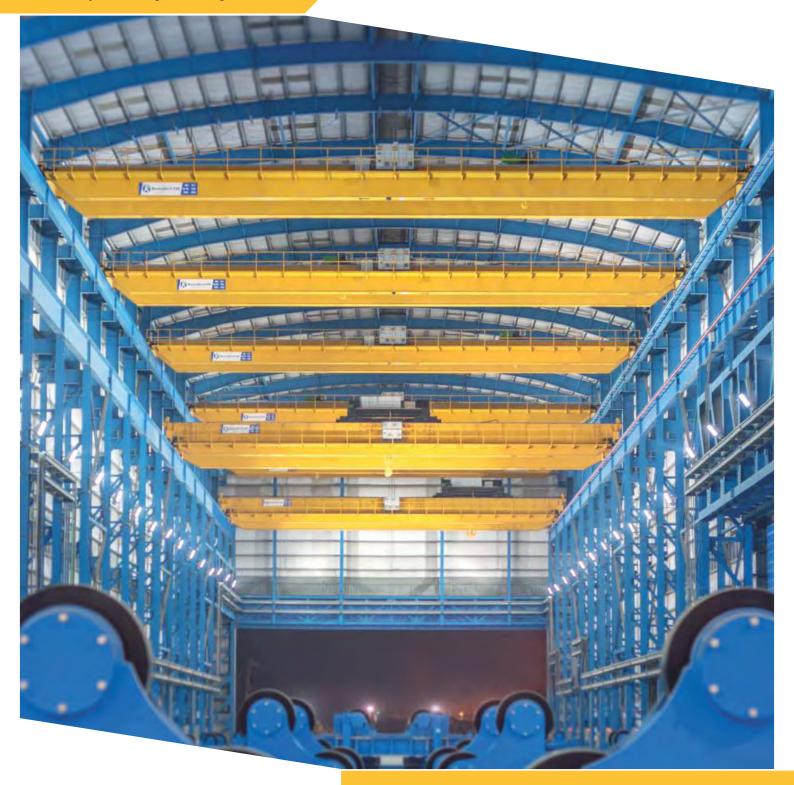
Crane solutions for every handling challenge





Equipped to Excel

ElectroMech is counted amongst the largest manufacturers of industrial cranes and related material handling equipment in the world. We are recognised for our unique solutions that address challenging material handling requirements across a wide spectrum of industries. Our loyal customers rely on us for our design capability, high manufacturing standards and service excellence. Since our inception in 1979, ElectroMech has commissioned over 10,000 cranes across more than 60 countries coupled with an unmatched track record of repeat orders.





Solutions for every handling challenge

Overhead Cranes

Industrial Overhead Cranes

- Standard EOT Cranes
 - Single Girder EOT Cranes
 - Double Girder EOT Cranes

Gantry Cranes

- Gantry Cranes
 - Single Girder Gantry Cranes
 - Double Girder Gantry Cranes
- Semi-gantry Cranes
 - Single Girder Semi-gantry Cranes
 - Double Girder Semi-gantry Cranes

Light Crane Systems

- Underslung Cranes
- HB Cranes

Jib Cranes

- Wall Mounted Jib Cranes
- Pillar Mounted Jib Cranes

Wall Travelling Cranes Stacker Cranes

Process Cranes

- 🦞 Hot Metal Handling Cranes
- Steel Plant Cranes
 - Coil Handling Cranes
 - Long Product Handling Cranes
- Grabbing Cranes
- Waste To Energy Cranes
- ? Tunnel Mucking Systems

Rubber Tyred Gantry Cranes (RTG)

- Single Girder RTGs
- Double Girder RTGs

Explosion-proof Cranes

Customised Solutions

- Triple Girder Cranes
- Single Failure Proof Cranes
- ? Telescopic Cranes
- Jib Cranes Underslung



Equipped to Excel







Exploring technology

Our engineering team is continuously engaged in upgrading our solution offerings to ensure that our customers' material handling experience is of the highest level. ElectroMech prides itself in being at the forefront in adopting newer technological advances in cranes and is considered a pioneer of various developments in this field by its peers. Constant development is undertaken with the sole intention of maximising the value delivered to the customer in terms of lower cost of ownership, higher reliability, enhanced safety and higher productivity.

Far-reaching solutions

As a result of our pursuance of world-class technology, our equipment can be seen operating flawlessly at diverse locations. ElectroMech supplies a variety of cranes and hoists in capacities ranging from 80kg to more than 300t across different industry verticals, like automotive, infrastructure, metallurgy, power, heavy engineering, general engineering, etc.

ElectroMech equipment is conspicuously present in the infrastructure segment. We are proud that a lot of major infrastructure projects, like roads, metro railways, bridges, dams and power plants have been made operational by using equipment supplied by ElectroMech.

Variety, versatility, safety, reliability, productivity, convenience and peace of mind are the standard features of offerings from ElectroMech. This is attested by several repeat orders received from major industrial groups across the world.

The infrastructure

At ElectroMech, we have been involved in the designing, manufacturing and commissioning of material handling systems with a special emphasis on cranes & hoists since 1979.

Our main manufacturing facility located in Pune, in western part of India, with a manufacturing capacity of 2000 cranes per year, is amongst the largest dedicated overhead crane manufacturing facilities in the world. This facility is spread over 120,000sq.m and is equipped with state-of-the-art machinery, like CNC cutting machines, semi-automated girder manufacturing fixtures, shot-blasting systems and one of the largest paint booths in the industry. Dedicated load testing facilities allow us to validate new products and design developments. The facility has 24 workstations for accommodating multiple cranes simultaneously, and has the flexibility to accommodate cranes of all sizes.

Equipped to Excel

The entire manufacturing activity is supported by a strong IT backbone that allows reliable availability of data, providing the intelligence to take quick decisions. Our proprietary software platform, EMote is unique in the industry and provides timely insights about crane health, usage patterns and possible risks.

The team

Any business needs to have a good team. Great people are the cornerstone of a fantastic customer experience. Recognised as a 'Great Place To Work' for several years in a row, ElectroMech attracts and retains the best talent in the industry. This ensures that our customers are always taken care of by the best people in the industry. A collective crane design experience of over 400 years gives our customers peace of mind, knowing that they are in the right hands.

Global presence

ElectroMech is amongst the top crane manufacturers globally and its products work in 60 countries across a whole host of different industries.

These different geographies are supported by our global manufacturing base, competent sales partners and top-notch after-sales service offerings.

Apart from our global headquarters located in Pune, India, our international operations are controlled out of Dubai, UAE. We have our own dedicated manufacturing facilities in the UAE, Saudi Arabia and Indonesia.

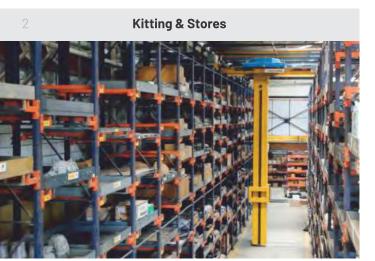
Our network of sales partners and service technicians spread across several parts of MENA, South Asia and South East Asia, ensures that we are never far from our customers.





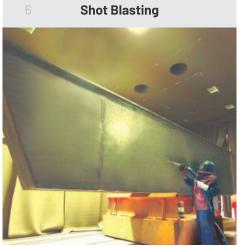


















ELR Hoists

The new, powerful ELR Series of Hoists is a culmination of our extensive experience in the Hoist & Crane technology. This range is perfectly suited for low and medium duty applications in several industries such as automotive, engineering workshops, electrical, fabrication, chemicals, plastics, process industries and so on. Designed after careful evaluation of handling requirements of such industries and through our indepth research, the new ELR Series promises great performance.

The ELR Series Hoist incorporates advanced features for higher safety so that you are confident while using it for critical applications. Its sturdy design assures absolute reliability, a long life, minimal maintenance, and complete value for your money. The ELR Series Hoist is light in weight, which reduces your structural costs and it can easily be adapted to different work environments providing immense flexibility at the workplace. With all these features and capabilities, the new ELR Series is truly the best-in-class hoist.



Constructional features

- > Compact, light-weight, modular yet robust construction
- > Hardened and ground helical gears
- > Involute spline for CT wheel
- > Minimum welding involvement

Electrical features

- > Variable Frequency Drive (VFD) for
 - Smooth start-stop and step-less, variable speed control
 - In-built protection against overload, short circuit and earth fault
 - Reduced motor starting current
 - Alarm and fault indication display on drive
 - Motor voltage and current display on VFD
- > IP 54 protection for control panel
- Protection against under-voltage, over-voltage, phase sequence and imbalance
- All motion drives fitted with MCB for short circuit protection
- > Plug and play arrangement for panel wiring ensures safety and allows ease of maintenance
- Power on-off switch for isolating incoming power
- > For pole changing motor option Two-speed offering through dual pole motor

Mechanical features

- > Lower rope fleet angle ensuring higher life of rope
- > Flanged wheels in cross travel (compared to flange-less wheels of other makes adding to maintenance cost)
- Direct drive for 50% of the wheels
- > Anti-fall lugs
- > Hook with safety latch
- > Spline shaft for hoisting gearbox ensuring easy assembly
- > Spring loaded rollers ensure correct tightness of the rope on the drum
- > Steel core wire ropes with higher breaking strength
- Compact design with low installation and maintenance cost

Safety features

- > Frequency inverter for CT and hoist
- > Wire rope with the highest safety factor
- > Two-step limit switch for lifting
- Overload limiter through VFD
- > Hook with safety latch



Single Girder Overhead Cranes

ElectroMech manufactures Single Girder Overhead Cranes in SWLs ranging from 250 kg to 20 t in different configurations.

- > Beam/Box type main girders (dependent on spans)
- > Precise control of the up/down motion and/or travel motion can be achieved by fitting Variable Frequency Drives in the panels (optional).
- > Control can be either through a Pendant Push Button station or a Radio Remote Control (optional).
- > Optimised geometry ensuring maximum hook coverage and the lowest head rooms.





Jib Cranes

Jib Cranes assist the staff and multiply human efforts, handling loads up to 6300kg precisely and effortlessly.

Jib Cranes are useful especially for loading or unloading of workpieces on machine tools. These are also useful for loading or unloading of trucks. They can also become an inseparable part of a standalone workstation.

Column mounted Jib Cranes are necessary when no other appropriate support near a workstation is available.

Wall mounted Jib Cranes are ideal solutions for workstations located near walls or vertical structures.

ElectroMech designs and manufactures such Jib Cranes to suit specific client requirements.







Wall Travelling Cranes

Single Girder Wall Travelling Cranes are designed for operation on a lower level beneath a large travelling crane system. These cranes provide additional handling possibilities and ensure smooth and trouble-free material handling between different working areas.

A wall travelling crane installed at right angles across the hall can serve several workstations. Single Girder Wall Travelling Cranes are available for a maximum load capacity up to 5000kg and for a maximum outreach of 10m depending upon the load capacity.





Double Girder Overhead Cranes



ElectroMech manufactures Double Girder Overhead Cranes in SWLs ranging from 1000kg to more than 300t.

These cranes incorporate customised open winch type crabs.

ElectroMech can supply fully customised Double Girder Cranes as per the client requirements for different duty cycles and for diverse range of applications.

Double Girder Cranes can be given for a very large range of spans, heights of lift as well as a large range of speeds.

Double Girder Cranes can have only a main hoist or a combination of a main hoist as well as auxiliary hoists (useful especially for load tilting).





Double Girder Cranes can also be provided with multiple hoisting trolleys running on the same bridge.

Precise control of the up/down motion and/or travel motion can be achieved by fitting Variable Frequency Drives in the panels (optional).

Control can be either through a Pendant Push Button station or a Radio Remote Control (optional) or through a Control Cabin (optional).

We can also offer Double Girder Overhead Cranes for the steel industry which are capable of withstanding extreme requirements of operating speeds and operating conditions.





Semi-gantry and Gantry Cranes



These versatile cranes are used mainly for activities in steel stockyards, pre-cast segment yards and other outdoor applications. These are self-propelled cranes running on rails installed at the ground level and do not require any supporting structures.

These cranes can be supplied in Single Girder or Double Girder options depending on requirements of SWLs, speeds, heights of lift and other characteristics.

Hoisting for these cranes can be through a suitable model of standard electric wire rope hoist depending on the application requirement for a single girder configuration. For Double Girder Gantry cranes, the hoisting can either incorporate standard crabs or fully customised open winch type crabs (up to 250t).

Power supply to these cranes is traditionally provided through a Cable Reeling Drum. These cranes can also be fitted with on-board generators depending on the site conditions.





Precise control of the up / down motion and / or travel motion can be achieved by fitting of Variable Frequency Drives in the panels(optional).

Control can be either through a Pendant Push Button station or a Radio Remote Control (optional) or through a Control Cabin (optional).

We can also provide different versions of these cranes to suit your requirement. For example -

- > In workshops where part utilisation of the shop bay is required, a Semi-gantry crane can be provided.
- > Cranes with overhangs on one/both sides.
- > An auxiliary hoisting mechanism can also be fitted on the main hoisting trolley.
- > Multiple hoisting trolleys running on the same bridge.





Shaft / Tunnel Mucking Systems

ElectroMech has developed a unique and cost-effective bulk material handling system for extraction and disposal of overburden generated during construction of tunnels. These systems can very efficiently remove overburden generated during construction of deep shafts which access tunnels as well as the overburden generated during the tunnelling operation itself

The typical heights of lift for such systems are in the range of 50 m to 300 m. The typical hoisting speeds are in the range of 10 m/min to 30 m/min.

Several such systems designed and manufactured by ElectroMech are being used by several major construction companies and are operational at various construction sites all over the world. This includes projects where tunnelling is involved in rail and road construction, underground drinking water schemes, underground tunnels for sewerage and tunnelling required in hydroelectric projects.







Stacker Cranes

Indigenously designed and manufactured by ElectroMech

- > First conceptualised and introduced by ElectroMech in 1993
- > Second iteration of the original design with slew bearing for smooth operation
- > Combination of an EOT crane and forklift
- Optimises warehouse space by providing a highly effective, quick and safe solution for storing and retrieving material from vertical racking systems
- > Allows for narrower aisles as compared to the space required by a forklift to manouevre
- > Racks support the crane. No additional structure required
- Electrically operated, no diesel fumes or batteries to be recharged
- > No danger of tipping over
- > Supplied to several customers across the world





Rubber Tyred Gantry Cranes (RTG)



After attaining a position among the top 10 companies in the crane segment across the world and establishing its presence in nearly 60 countries, ElectroMech has introduced the RTG—Rubber Tyred Gantry crane. The new RTG is a custom-designed solution for your material handling requirements to move load in all directions. RTG benefits industries by addressing several material handling challenges, and provides the much required flexibility, safety and ease of operation.

RTG is designed to operate on gradients and various types of surfaces. It is self-propelled equipment and driven by electric motors using VFD, has a rigid structure designed to take dynamic forces and can easily be disassembled and transported. These features make it the perfect choice for industrial, infrastructure, wind energy and other sectors to competently address various load-handling requirements.

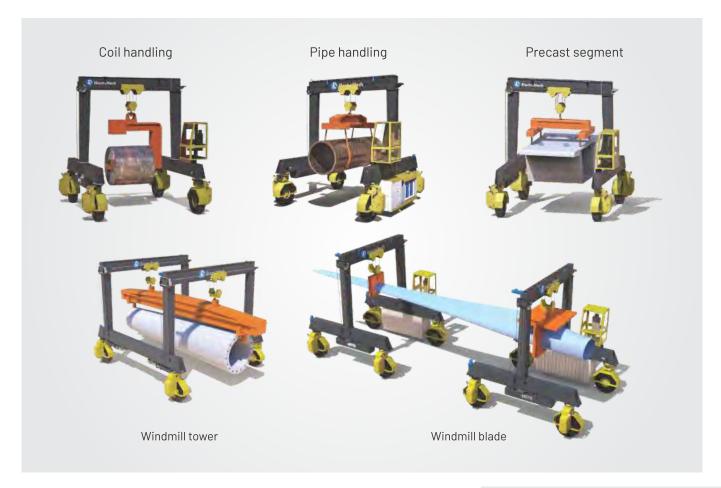




Features:

- > Gradeability Up to 5%. Can be operated on uneven surfaces
- > Electrically driven No hydraulics involved (No power supply, runway needed)
- > Intact floor Constant pressure on floor irrespective of amount of load lifted
- > Versatility Capability to work on various surfaces
- > Portability Can be easily disassembled and transported
- > High safety Safe handling of long and odd-shaped items
- > Turns effortlessly Can easily negotiate turns
- > Robust structure Designed for dynamic loads
- > Tandem operation Two RTGs can be easily coupled to handled long objects
- Low cost of ownership Low maintenance, high uptime, high productivity, low expenses on developing infrastructure





Entrance Automation Systems



Gandhi Automations Pvt. Ltd. is a leading Entrance Automation and Loading Bay Equipment company. This widely recognised position has been achieved over years of hard work, innovation, commitment to quality and reliable customer service.

Its hanger doors and large doors are particularly preferred for smooth operation, reliable performance, minimum maintenance, longer life and good aesthetics. With more than 100,000 installation in 70 countries, Gandhi Automation has a significant presence in the Middle East.

Gandhi Automations - Global leaders in hangar doors and large doors







The comprehensive product range of Gandhi Automations includes:

- Loading Bay Equipment
- > High Speed Doors
- Rolling Shutters
- > Fire Rated Shutters
- Fire Rated Doors
- ➤ Gates
- Cold Storage Doors
- Industrial Doors

- Sliding Hangar Doors
- Vertical Lifting Fabric Doors
- Sectional Overhead Doors
- Commercial Doors
- > Garage Doors
- > Swing Doors
- Boom Barrier





SCIVICC

Services

Service offerings

- > Spares Sales
- > Repairs, Services and Overhauling
- > Annual Maintenance Contracts
- Crane Health Checks
- > Modifications and Retrofits
- Relocation of Cranes
- > Crane Safety Certification







Services for you

At ElectroMech, we pursue the concept of offering 'Service at your doorstep' for reaching 'Zero downtime' and building 'Lifetime relationships'.

Our experienced and trained team is strategically located across the regions, supported by a strong logistics and inventory management system with quick access to spares. We have a knowledge bank on a variety of cranes and applications, and a host of products to optimise crane efficiency.

Our team is well trained on various aspects to ensure a very high up time of your cranes and ensure safe operations. This training includes crane architecture, systematic methods for quick diagnosis of problems and quicker methods to solve them, domain knowledge, safety procedures to be followed while working in your plant, precautions to ensure safe working of cranes, etc.

Once you engage us, your cranes are in safe hands.





A World of Satisfaction

ElectroMech has earned a noteworthy reputation of being a most reliable name in the field of material handling systems through its products and prompt, efficient service. Our clients all over the world have been experiencing a delight and satisfaction.

The sturdy ElectroMech cranes are operating year-after-year in extreme climatic conditions, irrespective of whether it is the sweltering heat of Rajasthan or the Middle East, or the biting chill of the Himachal or Afghanistan.

Our experience with cranes, installed at small workshops as well as at gigantic shipyards, expands our knowledge base. We are inspired to sharpen it further for designing advanced cranes for more critical applications.

Our happy customers all over are a source of immense satisfaction for team Electro Mech.



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Manufacturing Facilities & Offices









