

We Compete with **Quality**  
not the **Competitor**

**45+ Years**  
of Commitment & Quality

**DR& DR ENGIMECH**  
PVT.LTD.

An ISO 9001:2015 certified company

# About Us

**D.R. ENGIMECH PVT. LTD.** is a trusted manufacturer and exporter of advanced material handling equipment in India. We specialize in EOT Cranes, Jib Cranes, Goliath Cranes, Goods Lifts, and customized lifting solutions designed to deliver reliable performance, operational efficiency, and long-lasting durability across diverse industrial applications.

With a strong focus on engineering excellence, safety, and innovation, we utilize modern technology and strict quality standards to develop dependable lifting systems. Our solutions are trusted by industries in India and overseas, helping businesses improve productivity while ensuring safe and efficient material handling operations.

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## Lifting the Future with Strength, Safety & Innovation





# Building Trust Through Industry Expertise

## Our Mission

To deliver high-quality, reliable, and innovative material handling solutions that enhance industrial efficiency and safety. We are committed to engineering excellence, customer satisfaction, and continuous improvement while maintaining the highest standards of quality and sustainability.

## Our Vision

To become a leading global brand in material handling solutions by setting new benchmarks in quality, innovation, and trust. We aim to build a large, future-ready organization that powers industries with advanced engineering and long-term value.

## Certificates



# Why Choose DR ENGIMECH?

**D.R. ENGIMECH PVT. LTD.** is dedicated to delivering reliable and efficient material handling solutions designed for modern industries. With strong engineering expertise, advanced manufacturing technology, and strict quality standards, we ensure every product offers durability, safety, and consistent performance in demanding industrial environments.

Our customer-focused approach and ability to provide customized solutions make us a trusted and reliable partner for businesses across various industries. We emphasize precision engineering, timely delivery, and dependable service to help industries maintain smooth operations and achieve long-term productivity and operational efficiency.

- ▶ **Driven By Technical Expertise**
- ▶ **Engineering Expertise**
- ▶ **Quality Manufacturing**
- ▶ **Customized Solutions**
- ▶ **On-Time Execution**
- ▶ **Reliable Performance**
- ▶ **Technical Support**
- ▶ **Fast & Efficient Maintenance Support**

# Industries

We Deliver To



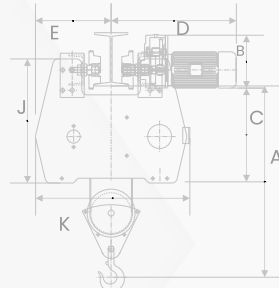
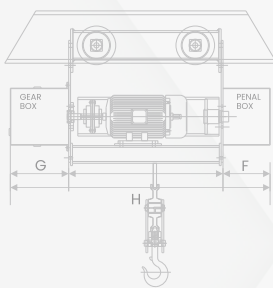
“ We deliver reliable material handling solution ensuring efficiency and safety

- ▶ Automobile Industry
- ▶ Warehouse Industry
- ▶ Food Industry
- ▶ Paper Mills
- ▶ Foundries Industry
- ▶ Cement Plants
- ▶ Fabrication Units
- ▶ Textile Industry
- ▶ Heavy Machinery
- ▶ Power Plants & Energy Sectors
- ▶ Infrastructure & Construction
- ▶ Ports & Ship Yards

# Electric Wire Rope Hoist



**Electric Wire Rope Hoists** are designed for safe, efficient, and reliable lifting in industrial environments. Built with a compact and robust structure, these hoists provide smooth operation and long service life. Equipped with high-strength wire ropes, precision gear systems, powerful induction motors, and fail-safe brakes, they ensure controlled lifting and maximum operator safety. Their modular design allows easy maintenance and can be customized for various lifting capacities, speeds, and application requirements.



## LIFTING HEIGHT CAPACITY

**Up to 110 Meters,**  
(As Per Customer Requirement)

## Dimensions, Weight and Performance Data Sheet

CAPACITY	TONNES	0.5	1.0	1.0	2.0	2.0	3.0	3.0	5.0	7.5	10.0	12.5	15.0	20.0	25.0	
(SAFE WORKING LOAD)																
HIGH OF LIFT	Mtr.	3.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8	8	8	8	8	
HOISTING SPEED	m/min.	4.5	4.0	4.0	3.5	3.3	3.3	3.5	3.3	3.3	2.7	2.7	2.0	1.8	1.8	
CROSS TRAVEL SPEED	m/min.		15	15	15	15	12.0	12.0	12.0	12	12	12	12	12	12	
HOISTING MOTOR	HP	0.5	1.5	1.5	3.0	3.0	5.0	5.0	7.5	10.0	12.5	12.5	15.5	20.0	25.0	
RPM	RPM	1440	1440	1440	1440	1440	1445	1440	1440	1440	1440	960	960	960	960	
CROSS TRAVEL MOTOR	HP		0.250	0.250	0.5	0.5	0.5	0.5	0.5	1.5	1.5	2.0	2.0	2.0+2.0	2.0+2.0	
RPM	RPM		1330	1330	1330	1330	906	960	960	960	960	960	960	960	960	
NUMBER OF FALLS		2	2	4	2	4	2	4	4	4+6	4+6	4+6	6+8	6+8	6+8	
WIRE ROPE DIA	mm	6.0	8.0	6.0	10.	8.0	12.0	10.0	12.0	14.0	16+14	16.0	18+16	18+16	20+18	
TEST LOAD	Tonnes	0.62	1.25	1.25	2.50	2.50	3.75	3.75	3.75	9.37	12.50	15.62	18.75	25.00	31.25	
WEIGHT (APPROX.)	Kgs.															
<b>Dimensions, Weights &amp; Performance Data</b>																
A	mm.		700	700	900	900	1250	1250	1250	1800						
B	mm.		180	180	220	220	270	270	270	320	320	320	320			
C	mm.		580	580	700	700	800	800	800	740	740	740	740			
D	mm.		460	460	420	420	550	550	550	380	380	380	380			
E	mm.		270	270	360	360	430	430	430	450	450	450	450			
F	mm.		140	140	160	160	200	200	200	270	270	270	270			
G	mm.		100	100	160	160	200	300	200	270	270	270	270			
H	mm.		680	880	930	1030	1140	1140	1140	1510						
I	mm.		440	640	610	710	740	740	740	970						
J	mm.		420	420	640	640	680	680	680	930	930	930	930			
K	mm.		620	620	780	780	690	990	990	1400	1400	1400	1400			

# Single Girder EOT Crane

A **Single Girder EOT Crane** is designed for efficient and economical material handling in light to medium-duty applications. It features a single bridge girder with a wire rope or electric hoist for smooth lifting operations. Known for its compact design and optimal space utilization, it ensures reliable performance, low maintenance, and cost-effective operation in industrial environments.



## Specifications

<b>Safe Working Load</b>	Up to 25 TON
<b>Span</b>	Up to 40 MTR (As Per Customer Requirement)
<b>Height of Lift</b>	Up to 30 MTR (As Per Customer Requirement)
<b>Duty Cycle</b>	M1 to M8 As Per IS 1377 / IS 3938 / IS 807
<b>Crane Control</b>	Operated from ground level via pendant push buttons, or through open cabin, enclosed cabin, or radio remote control systems.
<b>Drive System</b>	Available in single or twin drive configurations, utilizing squirrel cage or slip ring induction motors, coupled with totally enclosed, oil-immersed helical gearboxes.
<b>Motors</b>	Foot-mounted, IEC frame crane-duty motors designed for main hoisting, auxiliary hoisting, cross travel, and long travel operations
<b>Brakes</b>	Equipped with electro-hydraulic thruster brakes for all movements. Optional DC/AC electromagnetic brakes can be provided upon request.
<b>Power Supply System</b>	Power to hoist and cross travel is supplied via Trailing Cables, C-Rail, Drag Chain or GI Shrouded Bus Bar Systems, as per customer preference.

# Double Girder EOT Crane

A **Double Girder EOT Crane** is designed for heavy-duty applications with high load capacity and superior stability. It features two girders supporting a trolley-mounted hoist for precise and efficient lifting. For very heavy loads, bogie end carriages are used to distribute weight evenly, ensuring smooth movement, reduced wheel load, and enhanced durability.



## Specifications

<b>Safe Working Load</b>	Up to 150 TON
<b>Span</b>	Up to 50 MTR (As Per Customer Requirement)
<b>Height of Lift</b>	Up to 30 MTR (As Per Customer Requirement)
<b>Duty Cycle</b>	M1 to M8 As Per IS 1377 / IS 3938 / IS 807
<b>Crane Control</b>	Operated from ground level via pendant push buttons, or through open cabin, enclosed cabin, or radio remote control systems.
<b>Drive System</b>	Available in single or twin drive configurations, utilizing squirrel cage or slip ring induction motors, coupled with totally enclosed, oil-immersed helical gearboxes.
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<b>Brakes</b>	Equipped with electro-hydraulic thruster brakes for all movements. Optional DC/AC electromagnetic brakes can be provided upon request.
<b>Power Supply System</b>	Power to hoist and cross travel is supplied via Trailing Cables, C-Rail, Drag Chain or GI Shrouded Bus Bar Systems, as per customer preference.

## Gantry Crane

**Gantry Cranes** are available in single and double girder designs for light to heavy-duty use. Operating on ground-mounted rails, they are ideal for outdoor yards and large industrial spaces. For higher capacities, bogie end carriages ensure smooth travel, balanced loads, and stability.

**Safe Working Load :** Up to 150 TON

**Span :** Up to 50 MTR (As Per Customer Requirement)

**Height of Lift :** Up to 15 MTR (As Per Customer Requirement)

**Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807

**Optional Features :** Radio Remote Control, Cabin Control

**Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



## Semi-Gantry Crane

**Semi-Gantry Cranes** are available in single and double girder designs for flexible material handling, with one side on an elevated runway and the other on ground rails. Ideal for optimizing space in workshops and yards. For heavy-duty use, bogie end carriages ensure smooth travel, balanced loads, and stability.

**Safe Working Load :** Up to 75 TON

**Span :** Up to 25 MTR (As Per Customer Requirement)

**Height of Lift :** Up to 15 MTR (As Per Customer Requirement)

**Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807

**Optional Features :** Radio Remote Control, Cabin Control

**Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



## Stacker Crane

**Stacker Cranes** are advanced systems for efficient storage and retrieval in warehouses and industrial facilities. They offer precise positioning, high-speed operation, and optimal vertical space use. Ideal for automated setups, they boost productivity and reduce manual handling.

**Safe Working Load :** Up to 10 TON

**Span :** Up to 20 MTR (As Per Customer Requirement)

**Height of Lift :** Up to 15 MTR (As Per Customer Requirement)

**Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807

**Optional Features :** Radio Remote Control, Cabin Control

**Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



# Jib Cranes

## Free Standing Jib Crane

A **Free Standing Jib Crane** is designed for independent operation with a self-supporting structure, ideal for localized material handling. It offers smooth slewing and efficient lifting for flexible, precise industrial applications.

- Safe Working Load :** Up to 3 TON
- Boom Length :** Up to 5 MTR (As Per Customer Requirement)
- Height of Lift :** Up to 5 MTR (As Per Customer Requirement)
- Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807
- Rotation :** 180° / 270° / 360°
- Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



## Wall Travelling Jib Crane

A **Wall Travelling Jib Crane** moves along wall-mounted tracks, offering extended material handling coverage. It ensures efficient floor space use with smooth travel and precise lifting, ideal for continuous operations.

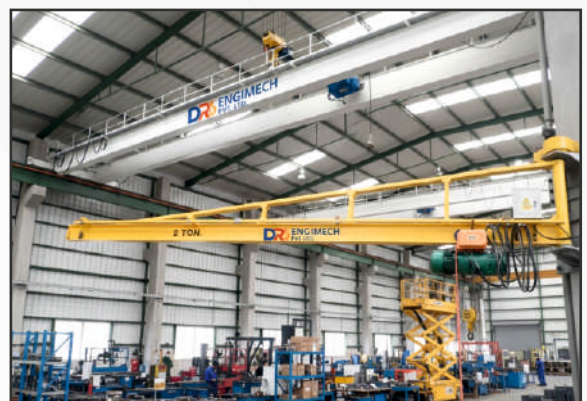
- Safe Working Load :** Up to 3 TON
- Boom Length :** Up to 5 MTR (As Per Customer Requirement)
- Height of Lift :** Up to 6 MTR (As Per Customer Requirement)
- Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



## Column Mounted Jib Crane

A **Column Mounted Jib Crane** mounts on existing columns, offering efficient localized material handling. It provides smooth rotation and precise lifting, ideal for confined work areas.

- Safe Working Load :** Up to 3 TON
- Boom Length :** Up to 5 MTR (As Per Customer Requirement)
- Height of Lift :** Up to 6 MTR (As Per Customer Requirement)
- Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807
- Rotation :** 180°
- Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



## Underslung Crane

**Underslung Cranes** run beneath runway beams, ideal for low headroom spaces. Their compact design maximizes space while ensuring smooth, precise handling. Suitable for light to medium-duty industrial applications.

**Safe Working Load :** Up to 3 TON

**Span :** Up to 10 MTR (As Per Customer Requirement)

**Height of Lift :** Up to 6 MTR (As Per Customer Requirement)

**Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807

**Optional Features :** Radio Remote Control, Cabin Control

**Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



## Wire Rope Crab

A **Wire Rope Crab** is a compact hoisting unit mounted on crane girders for heavy-duty lifting. It includes a trolley, wire rope hoist, motor, gearbox, and brakes for smooth, precise handling. Built for durability, it ensures reliable performance in demanding industrial environments.

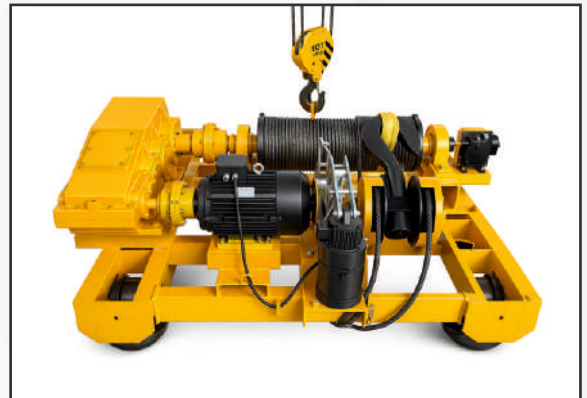
**Safe Working Load :** Up to 150 TON

**Height of Lift :** Up to 30 MTR (As Per Customer Requirement)

**Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807

**Optional Features :** Radio Remote Control, Cabin Control

**Safety Features :** Overload Protection, Emergency Braking, Limit Switches, Anti-Collision



## Wire Rope Winch

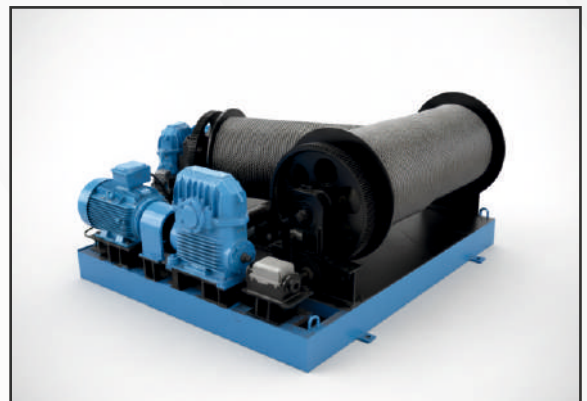
A **Wire Rope Winch** is a powerful solution for heavy-duty lifting and pulling. Built with high-quality components, it ensures smooth operation, precise control, and reliable performance. Ideal for construction and material handling, it offers durability and efficiency.

**Safe Working Load :** Up to 30 TON

**Bay Length :** As Per Customer Requirement

**Safety Features :** Overload Protection, Emergency Braking, Limit Switches

**Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807



## Dam Gate Wire Rope Hoist

A **Dam Gate Wire Rope Hoist** is designed for reliable operation of spillway and sluice gates. Built for heavy-duty use, it ensures smooth lifting, accurate positioning, and durability. Engineered for harsh conditions, it delivers safe and efficient gate control.

- Safe Working Load :** Up to 30 TON
- Height of Lift :** Up to 100 MTR (As Per Customer Requirement)
- Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807
- Safety Features :** Overload Protection, Emergency Braking, Limit Switches
- Control Method :** Pendant Control and Radio Remote



## Goods Lift

A **Goods Lift** ensures safe, efficient vertical transport of materials across floors in industrial and commercial spaces. With reliable lifting mechanisms, it offers smooth operation and high load capacity, improving productivity while reducing manual effort.

- Safe Working Load :** Up to 20 TON
- Height of Lift :** As Per Customer Requirement
- Safety Features :** Overload Protection, Emergency Braking, Limit Switches
- Certifications :** IS 3177, IS 807
- Floors :** G+20



## Transfer Trolley

A **Transfer Trolley** enables efficient horizontal movement of heavy materials within industrial facilities. Available in manual and motorized options, it ensures smooth, controlled transport across bays or workstations. Its robust design delivers reliable performance and improves efficiency.

- Safe Working Load :** Up to 150 TON
- Bay Length :** As Per Customer Requirement
- Control Method :** Pendant Control and Radio Remote
- Safety Features :** Overload Protection, Emergency Braking, Limit Switches
- Duty Cycle :** M1 to M8 As Per IS 1377 / IS 3938 / IS 807





### Electro Hyd. Thruster Brake

- ▶ Suitable for **400/440 Volts. 3 Phase. 50 C/s. A.C.Supply.**
- ▶ **Brake Drum Diameter** : 100-400 MM
- ▶ **Braking Torque** : 6 Kg.M - 580 Kg.M
- ▶ Easy Installation and Maintenance



### Rotary Geared Limit Switch

- ▶ **Body Material** : Aluminium
- ▶ **Die Cast Gear Ratio** : 1:48:1:60
- ▶ **Cable Entries** : 3/4"
- ▶ **Cadmium Thermal Test Current** : 10 Amps.



### Rotary Worm Limit Switch

- ▶ **Body Material** : Black Nylon
- ▶ **Gear Ratio** : 1:12.5, 1:25, 1:50, 1:100, 1:200 & 1:400
- ▶ **Cable Entries** : 2.3/4"
- ▶ **Thermal Test Current** : 10 Amps.



### Gravity Operated Limit Switch

- ▶ **Body Material** : Powder Coated Aluminium Die
- ▶ **No. of Contact** : 2/3/4 Wire Connection
- ▶ **Cable Entries** : 2.3/4"
- ▶ **Cadmium Rated Voltage Insulation** : 500 V.C.V.



### Leaver Type Limit Switch

- ▶ Suitable for power & control circuits up to **500V and 40 Amps**



### ACEM Disc Type Brake

- ▶ Operates on **230/415 V AC** with electromagnetic braking system



### Insulated Conductor Bar

- ▶ Quick and easy installation
- ▶ Pin joint design for accurate alignment
- ▶ **Available Ratings** :  
60A, 100A, 125A  
160A, 250A, 315A  
200A, 315A
- ▶ **3 Pole / 4 Pole** hanger options
- ▶ Finger-safe and touch-proof design



### Wireless Radio Remote Control

- ▶ Best suited for uninterrupted radio signals
- ▶ Available Range :  
From **2 Buttons** to **14 Buttons**
- ▶ Range of each remote :  
Up to **100 Meters**

# Delivering to Clients Across the Globe



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