

GULF
CRANES
الخليج للرافعات



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REDEFINING LIFTING EFFICIENCY

Innovative Design:

Gulf Cranes stands as Qatar's first overhead crane manufacturer, setting industry standards with designs adhering to the international FEM standard. Our unique design approach ensures top-notch quality in every crane system.

Manufacturing Quality:

Every component of our crane systems is manufactured in-house, reflecting our commitment to world-class standards. Our skilled team ensures each part embodies durability and reliability.

Advanced Production Facility:

Our state-of-the-art facility spans over 30,000 square meters, equipped with the latest technology. This is where innovation meets quality, making us a strong competitor in the industry.

Gulf Cranes – We don't just build cranes; we raise industry standards.



DOUBLE GIRDER ELECTRIC OVERHEAD CRANE SYSTEM

Our Double Girder system features two bridge girders, each with distinct functionalities. One girder houses power cables, while the other includes a maintenance platform. Ideal for high-tonnage handling, these cranes boast advanced walking mechanisms and a lifting machine that glides smoothly along rails on the bridge girders. They're the perfect blend of power and precision.

SINGLE GIRDER ELECTRIC OVERHEAD CRANE SYSTEM

The Single Girder system is designed for efficiency and economy. Comprising a single bridge girder, it's supported by robust walking mechanisms. The lifting machine operates seamlessly under the girder's lower flange. This system is optimal for handling capacities up to 10 tons, offering low bridge clearances and cost-effectiveness, making it a popular choice for various applications.



E.O.T CRANES

Hoist Machine

The Hoist Machine, a crucial component of our crane systems, is designed for the efficient lifting and lowering of loads. Typically mounted on the crane's bridge or trolley, it incorporates several key parts to ensure smooth and reliable operation. This machine is the heart of our crane's lifting capability, demonstrating our commitment to high performance and safety.

End Carriage

End Carriages form the essential assemblies at both ends of the crane's bridge, enabling smooth movement along the bridge. Equipped with wheels, they provide vital stability and support for the crane's operations, ensuring reliable and safe movement across the entire span of the bridge.

Girder

The Girder is the crane's main horizontal structure, spanning the width of the working area. It encompasses two runways, providing a stable path for the crane to travel efficiently and safely across the entire work zone.

HOIST MACHINE

Our Crane Hoist Machines are the epitome of strength and precision. Designed to cater to a wide range of industrial needs, our production portfolio includes double-girder hoist machines with capacities of 5, 10, 16, 20, 25, 32, and 50 tons. Each machine is meticulously engineered to meet global standards, ensuring top-tier performance, safety, and reliability. These hoists are ideal for a variety of lifting tasks, offering the perfect combination of power and control for your heavy lifting needs.



MAJOR COMPONENTS



Rope Guide:

- Production from steel casting materials
- Production tailored to rope diameter



Lifting machine travel group

- Standard design
- Hub-driven mechanism in all models
- Helical gear travel reducer
- Soft start and stops with inverter control
- Design of hook distances



Lifting group Limit Switch:

- Limitation of up and down movement with travel limit switches operated by drum motion.



Overload Limit Control:

- Safe operation
- Panel internal display option
- Continuous load monitoring

MAJOR COMPONENTS



Drum:

- Production of steel tension tube (S355)
- Precision-machined grooves for minimizing rope deflection



Hook Group:

- Forged steel hook with compliance to standards
- Standard safety latch
- 360°-degree rotation capability
- Weldless covered hook pulley system with advanced design



Lifting motor:

- Quiet operation
- High torque values
- IP 55/65 protection class and insulation class F
- PTC thermistor temperature control sensor
- Long-lasting brake
- Adjustable torque value



Electrical Panel:

- Custom design according to machine capacity
- IP55 and IP65 protection class
- High safety standards
- Soft start and stop controlled by PLC and inverter

SPECIFICATIONS

Capacity(T)	Reeving	FEM/ISO Class	Lifting Heights	Lifting Speed	Cross Travel Speed
5	4\1	2m/M5	6m	0.7-4 m/min	5-20 m/min
			10m		
			15m		
10	4\1	2m/M5	6m	0.6-4 m/min	5-20 m/min
			10m		
			15m		
16	4\1	2m/M5	6m	0.6-4 m/min	5-20 m/min
			10m		
			15m		
20	4\1	2m/M5	6m	0.6-4 m/min	5-20 m/min
			10m		
			15m		
25	4\1	2m/M5	6m	1.25-5 m/min	5-20 m/min
			10m		
			15m		
32	4\1	2m/M5	6m	1.25-5 m/min	5-20 m/min
			10m		
			15m		
50	4\1	2m/M5	6m	0.6-4 m/min	5-20 m/min
			10m		
			15m		

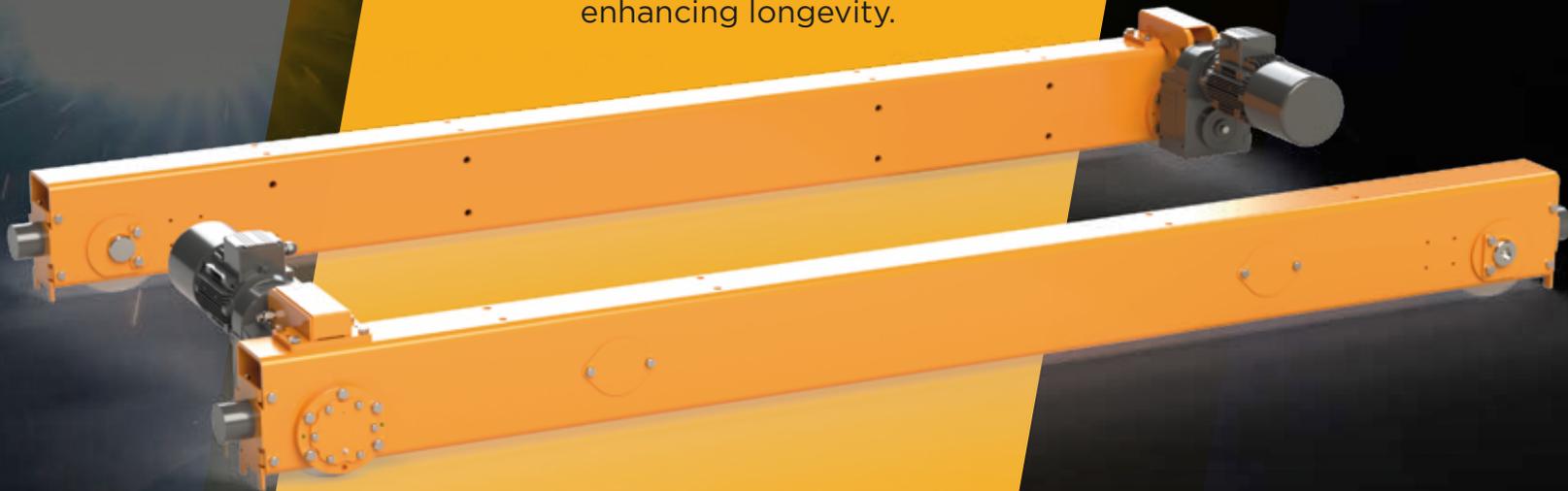
END CARRIAGES

Our End-Carriages are engineered to perfection, meeting DIN EN ISO 10070, DIN EN ISO 10074, and FEM standards. Designed with SolidWorks for precision, they exemplify quality and performance.

Materials: Constructed with high-quality S275JR and S355JR materials for durability and strength.

Wheel Design: Hub-driven wheels are crafted for maximum load efficiency, promoting smooth and stable movement.

Bearing Selection: We use fixed and movable bearings with machined brass cages for enduring radial and axial loads, enhancing longevity.



JIB CRANES

Our Jib Cranes, conforming to DIN and FEM standards, offer top-tier quality for efficient, safe material handling in tight spaces.

Column and Floor-Mounted:

Robust support for heavy lifting.

360-Degree Rotating Jibs:

Full maneuverability.

Wall-Mounted and 180-Degree Swivel:

Ideal for space-saving needs.

180 to 270-Degree Rotating Columns:

Customizable for specific requirements.

Efficient Movement:

Ideal for transporting products in confined areas.

Workflow Enhancement:

Streamlines transfers between workstations.

Experience unmatched reliability and adaptability with our Jib Cranes, crafted for optimal material handling.

TRANSFER TROLLEY

Discover the future of material handling with our Transfer Trolleys. Expertly designed for efficient goods movement, these trolleys combine advanced features with robust construction for smooth, reliable transfers within your facility.

Column and Floor-Mounted:

Robust support for heavy lifting.

Intelligent Design: Optimal for varied facility layouts.

Advanced Technology: Ensures safe, efficient transport.

Durable Build: Ready for rigorous use.

Elevating Efficiency, Streamlining Success – With Our Transfer Trolleys





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