

MAGICART

How to be A Global Leader in Services?

Many of us are facing after-sales trouble no matter private or governmental control company, time is invaluable and most worrying for us. Once the machine shut down, the production shut down either, and we start to lose money quickly and come to an operation crisis So what we do here?

- ◆ Fast Action in Services
- ◆ Unconditional Parts Supply
- ◆ Strong Professionalism
- ◆ Spotless Satisfaction

This is how MAGICART started to make business. What we do is giving the fastest services after supplying high-quality level products.

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About Us

MAGICART is a leading manufacturer and service provider of cranes and material handling equipment, dedicated to the R & D, design, manufacturing, installation and service of cranes and material handling technology.

MAGICART owns comprehensive products, reliable quality, excellent performance, efficient service. The products are distributed in more than 30 countries and regions around the world. It is widely used in more than 20 professional fields, such as equipment manufacturing, logistics, energy, electric power, shipbuilding, metallurgy, ports, infrastructure, metal processing, hydropower stations, automobile manufacturing, and aerospace.

MAGICART's main products are overhead crane, gantry crane, rubber tyred gantry crane, portal jib crane, dock arm, jib crane, electric hoist, customized crane system and lifting accessories. MAGICART has saved customers huge cost in machine purchase and life cycle operating after long-term technological innovation.

Through long-term unremitting efforts , MAGICART will provide clients with the best cost-effective products to fulfill its mission: **promote client's business!**

- **Floating Dock Crane**
- **Dock Arm**
- **Portal Jib Crane**
- **Shipbuilding Gantry Crane**
- **RMG Crane**
- **Port Cargo Crane**



Floating Dock Crane

- Unique design for ship repairs and launches on floating dock, reliable performance for various marine condition.
- The best method to make ship repair and maintenance job on a floating dock.



Technical sheet

F.E.M | DIN | EN Standard

MAGICART floating dock crane can be used in small and large floating dock for ship repair and building. It is very rigid for accurate load handling.

Standard Design

- Ergonomically designed Cabin for operator
- Smart & safety walkway and ladders
- Monitoring system for loading situation, wind factors, fault display, alarm control in cabin
- 4 travel motion alarms
- Minimized wind pressure and wheel load
- Inclination 1° ~ 3° design
- Berthing anchor system
- Power-off automatic rail clamping system
- Full frequency converters system
- Real time monitoring for traveling condition
- Outreach from 6.m to 50m
- Center lubrication system
- Programmable PLC Electronic Control System
- Electronic, stepless speed, infinitely variable controls for hoisting, traverse and travel.
- IACS class

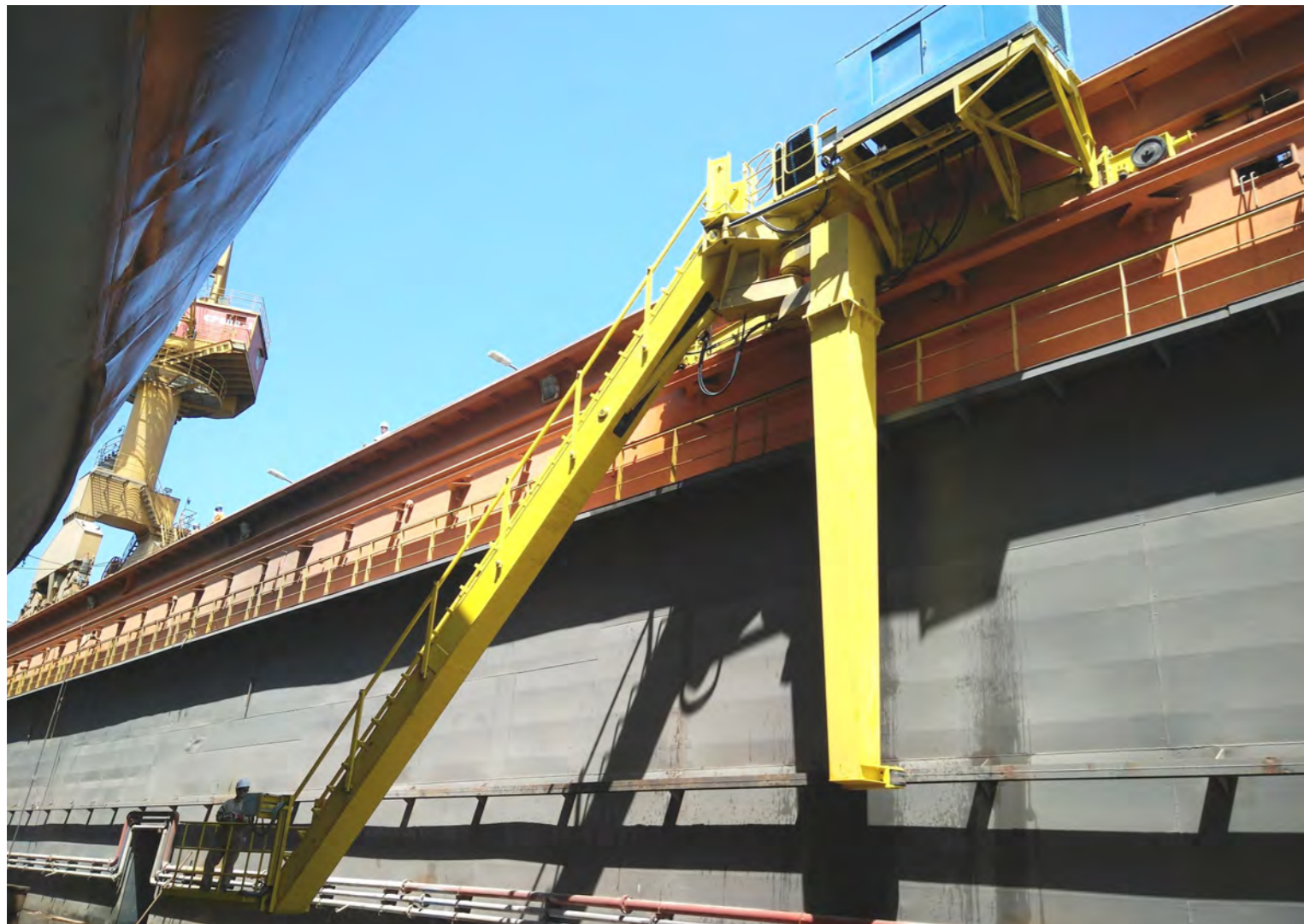
Capacity (ton)	Max Outreach (m)	Max Lifting height above rail/ under rail	Rail Span (m)
5	15~25	15~25/10~15	3.2~6.0
7	15~25	15~25/10~15	3.2~6.0
10	15~25	15~25/10~15	3.2~6.0
15	20~35	20~25/10~15	3.2~6.0
20	20~35	20~25/10~15	3.2~6.0
25	20~35	20~25/10~15	3.2~6.0
30	20~50	20~35/10~15	3.2~6.0
35	20~50	20~35/10~15	3.2~6.0
40	20~50	20~35/10~15	3.2~6.0

Dock Arm

Technical sheet

F.E.M | DIN | EN Standard

MAGICART Dock Arm can be used in various dock for ship repair. It is very rigid for accurate load handling



Standard Design

- Easy access of Control station on worker platform
- Control station in machinery house/cabin
- Monitoring system for pressure situation, alarm, oil volume
- 2 travel motion alarms
- Arm Slewing 0° ~180°
- Worker platform slewing 0° ~180°
- Outreach from 8.m to 55m
- Height from 10 m to 40 m
- Center lubrication system
- Programmable PLC Electronic Control System
- Stepless speed control, infinitely variable controls for hoisting, traverse and travel.
- Powered by: Diesel engine or Cable reel

Capacity (kg)	Max Outreach (m)	Power supply
500	8	Diesel engine or Cable reel
500	12	
500	16	Diesel engine or Cable reel
500	20	
500	24	Diesel engine or Cable reel
500	28	
400	32	Diesel engine or Cable reel
400	36	
400	40	Diesel engine or Cable reel
400	45	
400	50	Diesel engine or Cable reel
400	55	

Shipyards Jib Crane

Technical sheet

F.E.M | DIN | EN Standard

MAGICART portal jib crane can be used in small and large shipbuilding and repair. It is very rigid for accurate load handling.

Standard Design

- Ergonomically designed Cabin for operator
- Smart & safety walkway and ladders
- Monitoring system for loading situation, wind factors, fault display, alarm control in cabin
- 4 travel motion alarms
- Minimized wind pressure and wheel load
- Berthing anchor system
- Berthing anchor system
- Power-off automatic rail clamping system
- Full frequency converters system
- Real time monitoring for traveling condition
- Outreach from 6.m to 50m
- Center lubrication system
- Programmable PLC Electronic Control System
- Electronic, stepless speed, infinitely variable controls for hoisting, traverse and travel.



Capacity (ton)	Max Outreach (m)	Max Lifting height above rail/ under rail	Rail Span (m)
5	15~25	15~25/10~15	8.0~12
10	15~25	15~25/10~15	8.0~12
15	15~25	15~25/10~15	8.0~12
20	20~35	20~35/10~15	9.0~12
25	20~35	20~35/10~15	9.0~12
30	20~35	20~35/10~15	9.0~12
40	20~50	20~35/10~15	9.0~12
50	20~50	20~35/10~15	9.0~12
60	20~50	20~35/10~15	9.0~12
80	30~60	20~50/10~15	9.0~12
100	30~60	20~50/10~15	9.0~12
120	30~60	20~50/10~15	9.0~12
150	30~60	20~50/10~15	9.0~12
200	30~60	20~50/10~15	9.0~12
250	30~60	20~50/10~15	9.0~12
300	30~60	20~50/10~15	9.0~12
Customized	Customized	Customized	Customized

Shipbuilding Gantry Crane

- High reliability
- Excellent stability
- Unique rope design for minimal sway
- Easy maintenance
- Fault checking and monitoring
- High visibility in multiple directions
- All-in-one controls
- Low energy consumption
- High productivity with short cycle times
- Optimized equipment weight



Technical sheet

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Item	Capacity	Capacity
Load Capacity	100~500tons	500~1200tons
Upper trolley Load of total	50%~100%	50%~100%
Lower trolley Load of total	50%~100%	50%~100%
Auxiliary hoist	20~50ton	20~50tons
Service hoist	6~10tons	6~10tons
Work Grade	A5	A5
Main dimensions		
Span	10 ~ 25 m/min	10 ~ 25 m/min
Max. Lifting height	15 ~ 35 m/min	15 ~ 35 m/min
Speed		
Crab travel	10 ~ 25 m/min, stepless	
Upper trolley travel speed	0~30 m/min, stepless	
Upper trolley lifting speed (no load)	0~20 m/min, stepless	
Upper trolley lifting speed (with load)	0~10 m/min, stepless	
Lower trolley lifting speed (no load)	0~30 m/min, stepless	
Lower trolley lifting speed (with load)	0~10 m/min, stepless	
Auxiliary hoist speed	10~40 m/min , stepless	
Service hoist speed	5~25m/min, stepless	
Electric system		
Crane power supply	cable drum	
Trolley power supply	mobile cable system/drag chain system	
Operation		
Operation	cabin	
Maintenance services		
Monitoring system	cable drum	
Remote diagnostics	option	

RMG Crane

(For 20ft, 40ft, 45ft ISO Standard Container)

- Duty class A6, A7, A8
- Equipped with a 20/40ft telescopic spreader
- PLC control, Advanced Anti-sway system
- Easy maintenance
- Fault checking and monitoring
- High visibility in multiple directions
- All-in-one controls
- Low energy consumption
- High productivity with short cycle times
- Optimized equipment weight



Technical sheet

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Capacities		remarks
Container handing	single 20 ft, 40 ft & 45 ft container,twin 20 ft mode	
Capacity (under spreader)	35 t, 40 t, 40 to 65 tons	customized
	single lift or twin lift mode	customized
Lifting height (under spreader)	18.1 m (5+1 high-cube container)	Option-1
	21 m (6+1 high-cube container)	Option-2
Span	up to 50m	
Outreach	up to 16m for two sides	
Standard Speeds		
Hoisting with load	up to 30 m/min	
Hoisting with empty spreader	up to 60 m/min	
Trolley travel	up to 75 m/min	
Gantry travel with empty spreader	up to 135 m/min	
Performance & Option		
Power supply		
Standard: Fully electric/power supply via cable reel or electric busbar system		
Option: Fully electric/power supply via on-board diesel generator		
Energy saving/recovery		
Optimized diesel generator idling control/hybrid drive with flywheel as energy storage system/hybrid drive with battery as energy storage system		
Control & Navigation system		
Remote crane management system/differential GPS/container tracking		

Port Cargo Crane

Unloading, Loading General cargo, Bulk cargo. Increasing port productivities by multi-purpose cargo crane equipped with various spreader (telescopic container spreader or grab)



Technical sheet

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Container spreader



Grab



Spreader type	Hook	Grab
Material handling	various goods	bulk cargo, grain, coal, cement etc.
Max capacity (under spreader)	5.0 ~ 60ton	5.0 ~ 50ton
Lifting height (above rail)	15 ~ 35m	15 ~ 35m
Lifting height (under rail)	9 ~ 20m	9 ~ 18m
Work Grade	A5, A6, A7, A8	A5, A6, A7, A8
Max outreach	15 ~ 50m	15 ~ 50m
Rail span	9.0 ~ 12m	9.0 ~ 12m
Standard Speeds-Maximum		
Hoisting with load	10 ~ 25 m/min	10 ~ 25 m/min
Hoisting without load	15 ~ 35 m/min	15 ~ 35 m/min
Luffing	15 ~ 55m/min	15 ~ 55m/min
Slewing	0.8 ~ 2.0 r/min	0.8 ~ 2.0 r/min
Gantry travel	20 ~ 30 m/min	20 ~ 30 m/min
Performance & Option		
Drive		
Standard: Fully electric/power supply via cable drum along with rail		
Option: Fully electric/power supply via on-board diesel generator		
Control system		
Cabin operatin, Crane management system, quick-detachable spreader, automatic cable drum, PLC system, stepless speed control, monitoring system;		

Why our proposal is so attractive?

Technology Advantages

- Advanced technology in crane structure design
- Advanced electric & hydraulic control system



Reliable Fast Services

- Solve-trouble firstly in company rules
- Professional & fast action in solution



Excellent Performance

- 100% performance tested in factory
- Continuous performance optimized plan



Guaranteed Quality

- Qualified components for every part
- 2 years warranty services



How to find out the best solution for lifting job?

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