



全球起重机方案解决专家

GLOBAL CRANE SOLUTION PROVIDER

Yuantai Crane Machinery

HQ Add: Room 2005, Building 3A, Shenglong Plaza, South Dongfeng Road and Shangding Road, Zhengzhou City, China.

Contact Lydia

Phone/ WhatsApp: 0086-150 38346929 Email: sales012@cranesdq.com

Web: www.bettercrane.com Youtube: <https://www.youtube.com/@YuantaiCrane>



产品样本
PRODUCT MANUAL

港机类

PORT CRANE

产品分类 PRODUCT CLASSIFICATION

轨道式集装箱门式起重机
Rail Mounted Container Gantry Crane

轮胎式集装箱门式起重机
Rail Tyred Container Gantry Crane

CONTENTS

目录

港机类起重机

Port Crane

轨道式集装箱门式起重机	P.01
-------------------	------

Rail Mounted Container Gantry Crane

轮胎式集装箱门式起重机	P.07
-------------------	------

Rubber Tyred Container Gantry Crane



轨道式集装箱门式起重机

Rail Mounted Container Gantry Crane

产品概述：

1. 轨道式集装箱门式起重机(简称场桥)适用于港口、码头、铁路、物流等集装箱堆场或中转站的国际标准集装箱及铁路宽箱的搬运及装卸。通过多组钢轮支撑在轨道上，以市电为动力，由大车机构、小车总成、龙门架、动力系统、集装箱专用吊具等组成。
2. 设计、制造、检验执行FEM、DIN、IEC、AWS、GB等国内外最新标准。远泰RMG具备功能多样，效率高，稳定可靠，作业范围广，使用、维护、保养便捷等特点。
3. 具有完善的安全指示和过载保护装置，最大限度地确保操作人员和设备的安全。电气驱动采用全数字式交流变频、PLC控制调速特有技术，控制灵活、精度高。标配国内外知名品牌外购件确保整机质量。

Product Introduction:

1. Rail mounted container gantry crane is appropriate for handling, loading and unloading ISO container and railway wide container in container yard or transfer station such as port, wharf, railway and logistics. Supported by multiple steel wheels and powered by electricity, it consists of gantry mechanism, trolley assembly, gantry frame, power system and special container spreader.
2. The design, manufacture and inspection comply with Chinese standard and international standards such as FEM, DIN, IEC, AWS and etc. Yuantai' s RMG has the characteristics of multiple function, high efficiency, stability, reliability, wide range of operation, easy operation and maintenance.
3. It is also completed with safety indication and overload protection device to provide maximum safety for operators and equipment. The electric drive adopts fully digital AC variable frequency and PLC speed control technology with flexible control and high accuracy. Standard bought-in components from well-known brands at home and abroad ensure overall quality.

技术特点

Technical Features



1、公司专业提供上旋转(小车旋转)轨道式集装箱门式起重机，下旋转(吊具旋转)轨道式集装箱门式起重机，有悬臂、无悬臂轨道式集装箱门式起重机，铁路专用轨道式集装箱门式起重机；

Our main products include upper rotating (trolley rotation) RMG, lower rotating (spreader rotation) RMG, cantilevered and non- cantilevered RMG, RMG for railway.



2、标配双向柔性阻力防摇系统，选配多功能变频防摇微动系统和电子防摇系统，防摇效果显著，维护方便，提高集装箱的抗摇摆性；

standard two-way flexible resistance anti-swing system, multiple function frequency control anti-swing inching system and electronic anti-swing system as option, perfect anti-swing effects, easy maintenance.



3、CMS智能服务管理系统，实时监控设备各机构运行状态；

CMS intelligent service management system, real-time monitoring of running status.



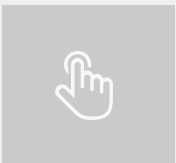
4、矢量变频、电能回馈、力矩平衡控制技术，节能环保，便捷高效；

vector frequency conversion, electric energy feedback, torque balance control, energy saving and environmental protection, convenience and efficiency.



5、故障自动化检测和数据实时显示技术，安全可靠；

automatic fault detection and real-time data display, safety and reliability.



6、提供多种操作模式——手动\半自动\自动化远程操作，技术先进，性能稳定；

multiple operation mode---manual, semi-automatic and automatic remote operation, complete with advanced technology and stable performance.



7、具有自动运行定位、智能着箱对箱、轨迹智能控制、智能化安全保护等核心技术；

applied core technologies such as automatic running positioning, flexible landing on containers, trajectory intelligent control, intelligent tilting anti-sag safety protection and etc.



8、大风报警、安全动态扫描等各种安全措施齐全。

A variety of safety measures, including strong wind alarm, safety dynamic scanning.

性能参数表

Technical Data

轨道式集装箱门式起重机主要技术参数Main Technical Parameters				
吊具下起重量(t) Lifting Capacity Under Spreader		35	41	70
基距(m) Base Distance		10/16		
跨度(m) Span		30/35/40		
起升高度(m) Lifting Height		12.5/15.3/18.3		
堆箱层数(层) Stack Layers		堆3过1/堆4过1/堆5过1		
集装箱规格 Container Specification		20' , 40' , 45'	20' , 40' , 45'	双20' , 20' , 40' , 45'
速度 Speed	起升(满/空载) (m/min) Hoisting(full load/empty load)	13/20	13/20	20/40
	大车运行(满/空载) (m/min) Gantry Traveling(full load/empty load)	45	45	45
	小车运行(m/min) Trolley Traveling	70	70	70
车轮数量(个) Wheel Numbers		16/20	16/20	24
最大轮压(kN) Maximum Wheel Load		250	280	300
电源 Power Supply		三相交流 Three Phase AC 380V 50Hz		

以上技术参数表所列项目为常规推荐参考,可依据用户实际要求。
The items listed in above technical parameter table are for reference.

产品展示

Picture Show



浙江石化自动化轨道式集装箱门式起重机
Automatic Rail Mounted Container Gantry Crane for Zhejiang Petrochemical Industry



九江红光码头自动化轨道式集装箱门式起重机
Automatic Rail Mounted Container Gantry Crane for Hongguang Wharf in Jiujiang



产品展示

Picture Show



周口港轨道式集装箱门式起重机
Rail Mounted Container Gantry Crane at Zhoukou Port



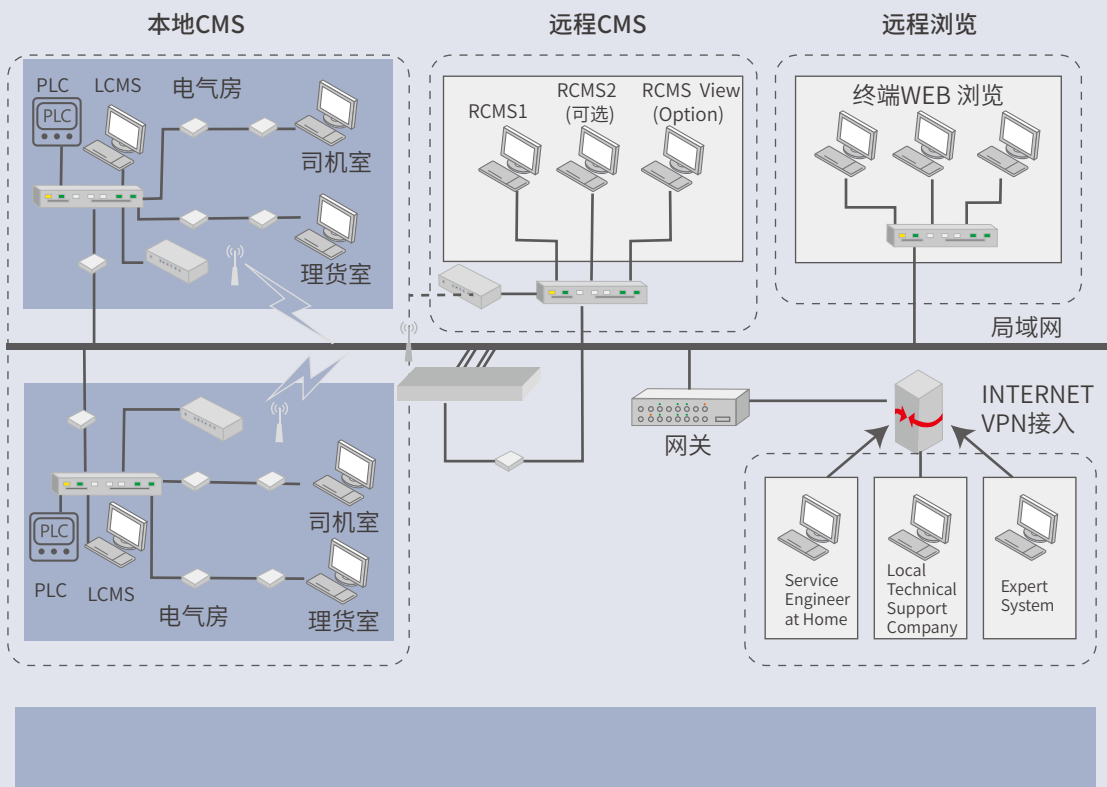
漯河港轨道式集装箱门式起重机
Rail Mounted Container Gantry Crane at Luohe Port



出口哈萨克斯坦轨道式集装箱门式起重机
Rail Mounted Container Gantry Crane
Exported to Kazakhstan

电控系统

Electric Control System



海口港轨道式集装箱门式起重机
Rail Mounted Container Gantry Crane at Haikou Port



象屿集团轨道式集装箱门式起重机
Rail Mounted Container Gantry Crane for Xiangyu Group



轮胎式集装箱门式起重机 Rubber Tyred Container Gantry Crane

轮胎式集装箱门式起重机(简称场桥)适用于港口、码头、物流等集装箱堆场或中转站的国际标准集装箱的搬运及装卸。支撑在充气橡胶轮胎上、常以柴油发电机为动力,也可采用电缆卷筒、锂电池等为动力。由大车机构、小车总成、龙门架、动力系统、集装箱专用吊具等组成。设计、制造、检验执行FEM、DIN、IEC、AWS、GB等国内外最新标准。远泰RTG具备功能多样,效率高,稳定可靠,作业范围广,机动性好,对地面不平度敏感性小,使用、维护、保养便捷,最大特点能够直行,横行,0-90度转向及原地回转。具有完善的安全指示和过载保护装置,最大限度地确保操作人员和设备的安全。电气驱动采用全数字式交流变频、PLC控制调速特有技术,控制灵活、精度高。标配国内外知名品牌外购件确保整机质量。

Rubber tyred container gantry crane is appropriate for handling, loading and unloading ISO container in container yard or transfer station such as port, wharf and logistics. Supported by pneumatic rubber tyres and powered by diesel generator, cable drum or lithium battery, it consists of gantry mechanism, trolley assembly, gantry frame, power system and special container spreader. The design, manufacture and inspection comply with Chinese standard and international standards such as FEM, DIN, IEC, AWS and etc. Yuantai's RTG has the characteristics of multiple function, high efficiency, stability, reliability, wide range of operation, good maneuverability, low sensitive to ground unevenness, easy operation and maintenance. Straight travel, lateral travel, 0-90 degree turning and turning in the same place are the most important features. It is also completed with safety indication and overload protection device to provide maximum safety for operators and equipment. The electric drive adopts fully digital AC variable frequency and PLC speed control technology with flexible control and high accuracy. Standard bought-in components from well-known brands at home and abroad ensure overall quality.

技术特点

Technical Features

	1.公司提供多种动力组合方案(柴油机组、市电、小功率柴油机组+锂电池),节能环保; a variety of power combination solutions (diesel engine, city power, small power diesel units + lithium batteries) are provided, energy saving and environmental protection.
	2.标配双向柔性阻力防摇系统,选配多功能变频防摇微动系统和电子防摇系统,防摇效果显著,维护方便,提高集装箱的抗摇摆性; standard two-way flexible resistance anti-swing system, multiple function frequency control anti-swing inching system and electronic anti-swing system as option, perfect anti-swing effects, easy maintenance.
	3.CMS智能服务管理系统,实时监控设备各机构运行状态; CMS intelligent service management system, real-time monitoring of running status.
	4.矢量变频、电能回馈(动力为市电或锂电池时)、力矩平衡控制技术,节能环保,便捷高效; vector frequency conversion, electric energy feedback(if city power or lithium battery supplies power), torque balance control, energy saving and environmental protection, convenience and efficiency.
	5.故障自动化检测和数据实时显示技术,安全可靠; automatic fault detection and real-time data display, safety and reliability.
	6.特有大桥纠偏及微调技术,大桥个性化转向,顶升,防倾翻设计; unique crane guiding system and trimming technology, personalized crane turning, jacking point, rollover protection
	7.提供多种操作模式——手动/半自动/自动化远程操作,技术先进,性能稳定; multiple operation mode---manual, semi-automatic and automatic remote operation, complete with advanced technology and stable performance.
	8.具有自动运行定位、智能着箱对箱、轨迹智能控制、智能化安全保护等核心技术; applied core technologies such as automatic running positioning, flexible landing on containers, trajectory intelligent control, intelligent tilting anti-sag safety protection and etc.
	9.大风报警、安全动态扫描等各种安全措施齐全。 A variety of safety measures, including strong wind alarm, safety dynamic scanning.

性能参数表

Technical Data

轮胎式集装箱门式起重机主要技术参数Main Technical Parameters				
额定起重量(t) Rated Lifting Capacity		35	41	70
基距(m) Base Distance		7	7	7.5
跨度(m) Span		23.47/26	23.47/26	23.47/26
起升高度(m) Lifting Height		15.5/18.5	15.5/18.5	15.5/18.5
堆箱层数(层) Stack Layers		4/5	4/5	4/5
集装箱规格 Container Specification		20' , 40' , 45'	20' , 40' , 45'	20' , 40' , 45'
速度 Speed	起升(满/空载) (m/min) Hoisting(full load/empty load)	20/40	25/50	25/50
	大车运行(满/空载) (m/min) Gantry Traveling(full load/empty load)	30/130	30/130	30/130
	小车运行(m/min) Trolley Traveling	70	70	70
车轮数量(个) Wheel Numbers		8	8/16	16
最大轮压(kN) Maximum Wheel Load		300	320/180	200
电源 Power Supply		柴油发电机组或三相交流 diesel generator set or three phase AC380V 50Hz		

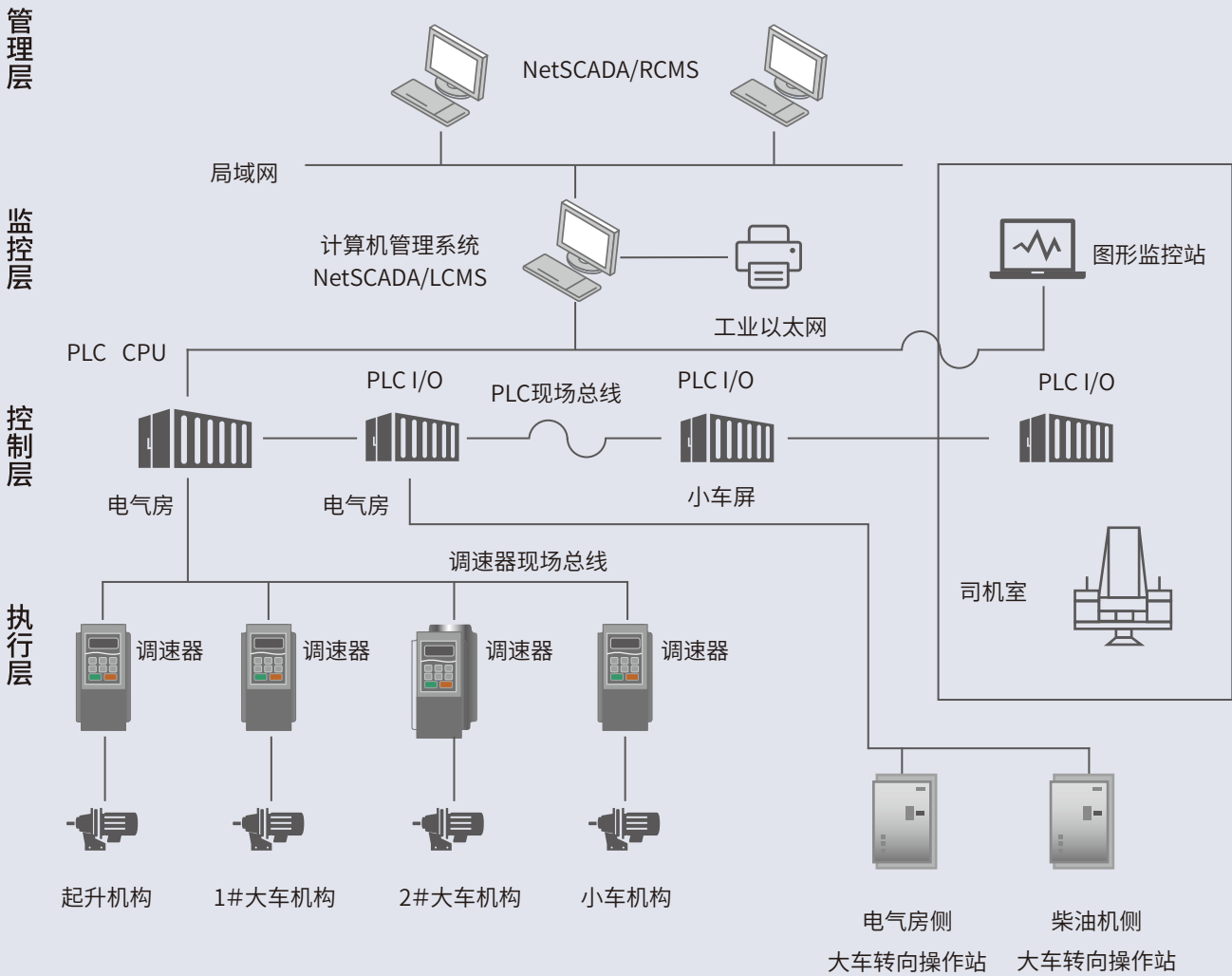
以上技术参数表所列项目为常规推荐参考,可依据用户实际要求。
The items listed in above technical parameter table are for reference.



电控系统

Electric Control System

轮胎吊电控驱动与自动化系统方案





出口泰国轮胎式集装箱门式起重机
Rubber Tire Container Gantry Crane Exported to Thailand



出口澳大利亚轮胎式集装箱门式起重机
Rubber Tire Container Gantry Crane Exported to Australia



出口哈萨克斯坦轮胎式集装箱门式起重机
Rubber Tire Container Gantry Crane Exported to Kazakhstan



广东鱼珠穗林码头轮胎式集装箱门式起重机
Rubber Tire Container Gantry Crane Exported for Guangzhou Yuzhusuilin Wharf



出口法国大皇宫轮胎式集装箱门式起重机
RTG for the Royal Palace Monument Exhibition exported to France