



**大连中车集装箱有限公司**  
CRRC DALIAN CONTAINER CO., LTD.

# 核心理念

## Core value

- 使命** 为中国和世界铁路运输提供特色集装箱化技术、装备和服务
- 愿景** 成为世界特种集装箱行业一流企业
- 企业精神** 同心共利 勇为先导
- 座右铭** 用我的努力 赢得你的认可
- Mission** providing special containerization technology, equipments and services for China and world railway transport
- Vision** to be a global leading enterprise in special container industry
- Enterprisespirit** collaborate and lead
- Motto** Win your recognition with my efforts



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# 企业简介

## Company profile

### 大连中车集装箱有限公司

大连中车集装箱有限公司隶属于中车齐齐哈尔交通装备有限公司，是以集装箱及集装化设备制造、销售、租赁、维修为主营业务，包括集装箱道路运输活动及货物、技术进出口业务。

公司坐落在大连旅顺经济开发区，占地面积 16 万㎡，厂房建筑面积 7.38 万㎡，总投资 4.59 亿元。公司目前已形成罐式、LNG、干散货、特殊用途、台架、集装化装备等六大系列集装箱产品，具有年新造特种集装箱 9000 只、检修集装箱 5000 只、供应铁路车辆冲压件 3000 辆的综合生产能力。

公司通过了质量、环境和职业健康安全管理体系认证、国家安全质量标准化认证，获得中国船级社质量认证公司和英国劳氏船级社工厂认可，取得了 C3 类压力容器制造许可。

公司秉承质量至上理念和服务客户宗旨，全力开发特色集装化产品，为全球铁路运输提供精良装备。



### CRRC DALIAN CONTAINER CO., LTD.

Dalian CRRC Container Co.,Ltd ,affiliated with CRRC Qiqihar Rolling Stock Co,Ltd, covers the main businesses as the manufacturing ,sales ,leasing, and maintenance of containers and containerization equipments , including road transport of containers and imports& exports of cargo and technology.

The company ,located in Dalian Lushun Economic Zone, Liaoning Province, covers an area of 160 000 m<sup>2</sup> , including 73 800 m<sup>2</sup> building area with the total investment of 459 000 000 RMB. Currently, our company have formed six series containers including tank container , LNG , dry cargo container, special purpose container, platform-basedcontainer, and containerizationequipments. The company has the annual production capacity of newly built 9000 special containers, 5000 containers for maintenance, and the comprehensive ability of 3000 pressing and punching parts for railway cars.

Our company havepassed Quality, Environment, Occupational Health Safety Management Certification and National Safety Quality Standardization Certification as well as the recognition of CSQA and LR.and we have got the permission of manufacturing of C3 pressure vessel.

Our company ,committed to “quality comes first and serve clients” , strives to developcontainerization products and provides superiorequipments for global railway transport.

# 技术研发

## Technology R&D



公司以特种集装箱研发为核心，依托国家重载快捷铁路货车工程技术研究中心，产品研发实力雄厚，主导了大容积罐式集装箱升级换代，获得八面弧罐体结构等多项国内外自主专利技术，可根据用户的个性化需求研制开发各种形式的特种集装箱。

公司拥有与中国铁路最大的特种集装箱物流公司 - 中铁铁龙集装箱物流股份有限公司合资成立的北车铁龙大连集装箱化技术装备研发有限公司，主导研究多式联运集装箱化物流技术和标准，引领集装箱化装备开发。

公司产品研发全部采用三维、模块化和并行工程设计技术，应用虚拟样机系统、仿真分析、有限元计算，确保产品设计可靠和运用安全。

Our company makes special container R&D as its core, depending on the National Heavy-haul Railway Freight Car Engineering and Technical Research Center. With strong R&D strength, we lead the upgrade of large volume tank container. Gained the independent patent technologies on many projects at home and abroad, such as octahedral arc tank body structure, we can develop all kinds of special containers according to the requirements of clients.

Our company has the joint venture CNR TieLongDalian Containerization Technical Equipment R&D Co., Ltd established by CRRC Qiqihar Rolling Stock Co., Ltd and China Railway TieLong Container Logistics Co., Ltd, which is the largest special container logistics corporation of China railway. It leads the R&D of containerization equipments and multimodal transport containerization logistics technologies and standard.

The development of the products are applied with three dimensional, modularization and engineering design technology. virtual prototype system, simulation analysis and FEM calculation are applied to make sure the reliable design and safe operation.



# 试验研究

Test research



公司拥有国家认可产品试验室，是中国和亚洲唯一一家符合 UN 标准的集装箱冲击试验定点单位，具有世界最先进的集装箱冲击试验线、车箱一体疲劳与振动试验台、大部件疲劳试验台、集装箱型式试验台。通过开展集装箱疲劳、装载加固、敞车工况、角件性能等试验和研究，掌握了设计和制造核心技术，为产品可靠性和技术创新提供强有力支撑。

Our company have the National Recognized Product Laboratory, which is the only designated unit for impact test of the containers as per UN standard in Asia. We have the world’ s most advanced container impact test line, wagon fatigue and vibration test rig with container , large-size fatigue test rig,and container type test rig. With the test and study of container fatigue, loading fix, gondola workingcondition ,and corner casting property, we got the core technology of the design and manufacturing , which supports the innovation of reliability and technology.



# 工艺制造

## Process manufacture



公司作为国家级高新技术企业，具有领先的工艺技术和世界先进水平的制造装备。

主导开发了铁素体不锈钢、高强度等新型材料的工艺技术，掌握椭圆异型封头、八面弧结构罐体等新结构的制造工艺。

拥有封头切边机械手、筒体板6米数控剪机中心、筒体板圆弧成型6米卷板机，以及开卷、预处理、等离子切割、剪板、校平、铣边、折弯、压力成型等系列数控化下料和成形装备。

The company , as the national high technology enterprise, possesses the leading process technology and world advanced manufacturing equipments.

It leads the development of the process of new materials, such as ferritic stainless steel and high strength steel. Our company masters the manufacturing process of oval abnormal shape of cap and octahedral tank body.

We have head trimming mechanical arm, six-meter digital cut machine for tank body plate , six-meter rolling machine of arc molding .Moreover, we get material preparation and molding equipments for uncoiling, pretreatment, plasma cutting, shearing, edge milling, bending ,and pressure molding.



# 工艺制造

## Process manufacture



集成组对、焊接和检验为一体，拥有专业化的碳钢罐箱、不锈钢罐箱、LNG、干散货箱、杂型箱与检修箱等五条生产线。配备了罐式集装箱、LNG、干散货箱等部件和整箱柔性化组对装备，以及不离线翻转机、整箱抛丸机、LNG 缠绕和烘干室、油漆喷涂生产线；配备了适应埋弧焊、气体焊、等离子等焊接方式的板材拼接、筒体纵焊缝、筒体环焊缝等自动化焊接装备和除尘系统；配备了角柱拉力、X 射线探伤、罐体水压和气密性、整箱试雨、氦质谱检漏、抽空等智能化的试验和检测装备。

Integrated assembling, welding and inspection are combined. We have five specialized production lines of carbon steel tank container, stainless steel tank container, LNG , dry cargo container, multi-purpose container and maintenance container. The factory is equipped with parts and whole container flexible assembling equipments of tank container, LNG , dry bulk cargo container. Besides, we get line-on turn-over machine , shot blasting machine for the whole container , wind up drying room for LNG, painting production line. We have the automatic welding machining for plate joint of submerged weld, gas welding and plasma weld as well as longitudinal weld and girth weld of the tank body, and dust removal system. We provide intellectualized test and inspection equipments of corner post tension, X-ray detection, tank water pressure and tightness, rain test for the whole container, helium mass spectrum ,and evaluation .



罐式集装箱

Tank Container



20 英尺大容积系列罐式集装箱

主要用于液态食品、植物油、润滑油、BDO、乙二醇、丙二醇等普通液体，以及酒精、汽柴油、一四丁二醇、黄磷（水下）等危化品运输。

该系列罐箱是我公司自主研发、具有多项专利技术。采用八面弧断面结构罐体、椭圆异型封头，罐体与框架采用裙圈连接结构，使罐体容积最大化、自重最小化，容积与载重匹配，运输效益最佳。

该系列罐箱实现了“菜单式”选择配置，可根据客户的装运介质和个性化需求，按照容积、外形尺寸、总重、压力等级、罐体材料、装卸方式、加热保温和监控系统等，提供最佳解决方案。

20 Foot Large Volume Tank Container

Mainly be suitable for transport of general liquid such as liquid food, vegetable oil, lubricant, BDO, glycol and propanediol, and dangerous commodity such as alcohol, gasoline, diesel, butanediol, yellow phosphorous.

The series of tank containers are of the products developed by our company with multiple patent technology. The section of the tank body is of octahedral arc structure, special convex cap and mature apron ring connection structure, against the traditional round structure, which makes good use of the container dimension limit and obtains max. cubic volume of tank body.

This container is of series of products. They are available for menu order selection as per different demands, different commodity, cost, different cubic volume, pressure level, tank body material, loading and unloading, heating and insulation, etc.

技术参数  
Technical Parameters

容积 Cubic volume (m³)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
26	6058	2438	2591	30480	4190	26290
29.5	6058	2438	2591		4700	25780
32	6058	2438	2896		4950	25530
32.5	6058	2438	2896		5250	25230
29.5	6058	2438	2591	36000	5100	30900
30	6058	2438	2591		5200	30800
34	6058	2550	2896	35000	5250	29750

可选择不同配置菜单  
Different menu selection

容积 Cubicvolume (m³)	外形尺寸 External dimension (mm)	总重 Gross weight (kg)	压力等级 Pressure level	罐体材料 Tank material	装卸方式 Loading & unloading	加热保温 Heating	监控系统 Monitoring system
26~34			T0~T13	碳钢 Carbon steel	上装上卸 Top loading and top unloading	无 No	无 No
	6058X2438X2591	30480		铁素体不锈钢 Ferric stainless steel			
	6058X2438X2896	35000			上装下卸 Top loading and bottom unloading	有 Yes	GPS
	6058X2550X2896	36000		奥氏体不锈钢 Austenite stainless steel			电子标签 Electric label



罐式集装箱

Tank Container



沥青罐式集装箱

Bitumen Tank Container

主要用于散装沥青运输，采用上装下卸的操作方式。该箱采用八面弧断面结构罐体和轻量化设计，具有容积大、自重轻、载货多的特点；采用自主专利的铝合金并联支管新型加热系统，具有加热效率高、受热均匀、卸料前加热温度低、卸料后残留少的特点；采用新型保温材料 and 结构，保温效果好。

This tank container is mainly suitable for transport of bulk bitumen. Top loading and bottom unloading operation The section of the tank body is of octahedral arc structure and light weight design, which makes good use of container dimension limit and obtains max. cubic volume. Inside the tank, our self-developed patent system- aluminum parallel branch pipes new type heating system is fitted to increase the heating efficiency, which can satisfy the special loading and unloading and transport condition of bitumen. The insulation layer is fitted on the exterior tank body to maintain the temperature inside the tank body..

技术参数  
Technical Parameters

容积 Cubic volume (m³)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
27.2	6058	2438	2591	30480	5800	24680



水泥罐式集装箱

Cement Tank Container

主要用于装运散装水泥、粉煤灰等货物，采用上装下卸的操作方式。在传统水泥箱的基础上进行了优化改进，采用了新型的流化床结构，增大罐体容积，提高运输效率。

This tank container is mainly for transport of bulk cement, coal ash. It is top loading and bottom unloading. Optimum improvement is done on the basis of traditional cement tank such as new type fluid bed structure to increase cubic volume and transport efficiency.

技术参数  
Technical Parameters

容积 Cubic volume (m³)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
23.5	6058	2438	2896	35000	5000	30000

20 英尺干散货集装箱

20 Foot Dry Bulk Material Containers



主要用于粮食、豆粕、化肥、硫磺、聚氯乙烯、矿砂、煤炭等散堆货物的运输。该系列干散货箱实现了“菜单式”选择配置，可根据客户的装运货物和个性化需求，按照不同容积、不同外形尺寸、不同总重等级、不同框架结构形式、不同装卸货口结构等，提供容重比匹配最优、操作最便捷、运输效益最佳的解决方案。

Mainly be suitable for transport of common bulk material such as grain, bean slag, fertilizer, sulfur, polychloroaceticacid, ore sand and coal. Now, this series of dry bulk material containers can achieve menu selection arrangement as per different commodities and personal requirements, different cubic volume, different external dimension, different gross weight, different frame structure, different loading and unloading, we can provide most optimum ratio of volume and weight, most convenient operation and best transport benefits.

技术参数  
Technical Parameters

容积 Cubic volume (m <sup>3</sup> )	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
31.9	6058	2438	2591	30480	3100	27380
34	6058	2438	2896		3300	27180
39.5	6058	2550	2896		3100	27380
40	6058	2900	2896	32000	3550	28450
31.9	6058	2438	2591	35000	3100	31900
34	6058	2438	2896		3300	31700
39.5	6058	2550	2896		3100	31900

可选择不同配置菜单  
Different menu selection

容积 Cubic volume (m <sup>3</sup> )	外形尺寸 External dimension (mm)	总重 Gross weight (kg)	框架结构 Frame structure	装卸货口结构 Loading and unloading structure
31.9~40	6058X2438X2591	30480	框架固定式 折叠可拆式	顶部装货口 (1) 钢质：对开式、纵向长条式、全开式 (2) 软质：滑动全开式、抽拉式、拴系式 端部钢质卸货口：翻转式、对开式 侧部钢质卸货口：抽拉式、翻转式 底部钢质卸货口：翻转式
	6058X2438X2896	32000	frame, fixed Foldable, removable	Top loading hatch Steel: side to side opening, longitudinal long, full opening Soft material: sliding full open, draw-pull, tie type
	6058X2550X2896	35000		End steel unloading: rotation, side to side open
	6058X2900X2896			Side steel unloading: draw-pull, rotation Bottom steel unloading: rotation



LNG 罐箱

LNG Tank Container



液化天然气罐式集装箱，属于三类压力容器，主要用于运输和存储低温液化天然气，采用专用的装卸货口进行装卸作业。该箱采用真空多层绝热结构配有安全阀、三通切换阀、泄压装置、气动紧急切断装置等，保证货物的运输安全。

LNG tank container is of class three pressure vessel, mainly suitable for transport and storage of low temperature liquid natural gas with special loading and unloading hatches. The container uses vacuum multi-layer heat insulation structure with safety valve, T switch valve, pneumatic emergency cut-off device to ensure safe transport.

技术参数  
Technical Parameters

容积 Cubic volume (m³)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
42.3	12192	2438	2591	29886	13680	16206

冷藏箱

Refrigerated Container



主要用于公路、铁路运输冷冻或冷藏产品，满足铁路运输及公路挂车运输工况，箱体主要承载结构采用钢制焊接结构，底部设有鹅颈。制冷机组采用成熟的柴电一体机机械制冷机组，箱内温度范围可控制在 CARRIER-29℃到 +29℃，TK-29℃到 +27℃，保温层采用新型复合材料，大大提高整箱保温性能，实现节能降耗。该箱配有智能监控系统，满足本控和远程控制及主要信息的远程监测功能，使运输环节更有保障。

Mainly be suitable for transport of frozen or cooling products on road and railway and common commodities. This container can satisfy railway transport and road trailers. The load bearing structure of the container is of steel welding structure with the goose neck at the bottom. Refrigerating unit is of diesel-electric mechanical cooling unit, the temperature can be kept as CARRIER-29 °C to +29 °C, TK-29 °C to +27 °C . The insulation material is of new type composite material to enhance the performance and achieve energy saving. The smart monitoring system can achieve local control and remote control.

技术参数  
Technical Parameters

容积 Cubic volume (m³)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
82	13716	2550	2896	34000	7500	26500

特殊专用集装箱

Special Containers



主要用于卷钢、机床、柴油机、精密设备以及军工类产品的专用集装箱运输。现已形成 20 英尺卷钢运输集装箱、20/40/45/48 英尺设备集装箱以及 20/40 英尺保温集装箱等各类专用集装箱，具有装货多、装卸货快、运输安全等特点。可选配智能监控系统，可对运输过程实时定位及货物状态监控。

Special containers can satisfy the different demands for transport of coil steel, machining tool, diesel engine,exquisite equipment and military products. Now, we have coil steel containers, 20/40/45/48 foot equipment containers and 20/40 foot temperature retaining containers. The special purpose container can enhance the safety and intermodal transport of commodity. The smart monitoring system can be fitted to provide time-time location and condition of commodity for transport.

技术参数  
Technical Parameters

箱型 Container type	规格 Size (ft)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross Weight (kg)	自重 Tare weight (kg)	载重 Loading capacity (kg)	备注 Remark
卷钢箱 Coil steel container	20	6058	2438	2591	35000	3695	31305	适用卷径 Coil Diameter 1m~1.9m
设备箱 Equipment container	20	6058	2550	2896	30480	3480	27000	上下分体式结构 Top and bottom separated structure
	40	12192	2438	2896	30480	5600	24880	箱内有配滑道 Slide way inside container
	45	13716	2438	2896	30480	6500	23980	箱内有配滑道 Slide way inside container
	48	14630	2438	2896	30480	6900	23580	箱内有配滑道 Slide way inside container
保温箱 Temperature retaining container	20	6058	2438	2591	30480	3100	27380	箱内配有保温内饰 Temperature retaining inside container
	40	12192	2438	2591	58000	16000	42000	上下分体式结构 Top and bottom separated structure



台架式集装箱

Frame Containers

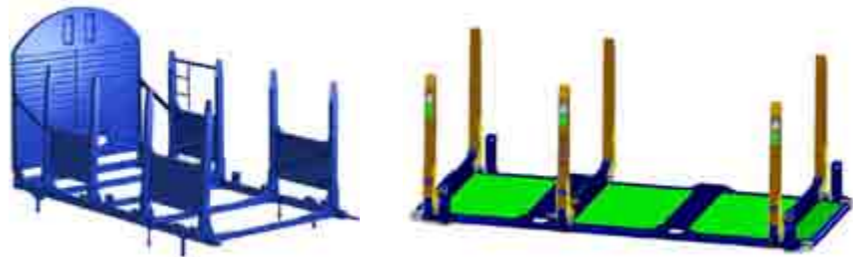


主要用于运输木材、管材等，使用时两台一组，成对使用，与集装箱平车配合使用。采用可折叠端侧墙结构或用可折叠侧柱结构，空箱返运或存放时可折叠堆码，降低运输成本，节约存储空间，综合经济效益高。

Mainly be suitable for transport of timber and pipe material. In pairs for use, it can be kept on the container flat wagon. The side wall and end wall are foldable, or the side post is foldable. The empty container can be shipped or stored in pile so as to lower down the cost and save the space for storage.

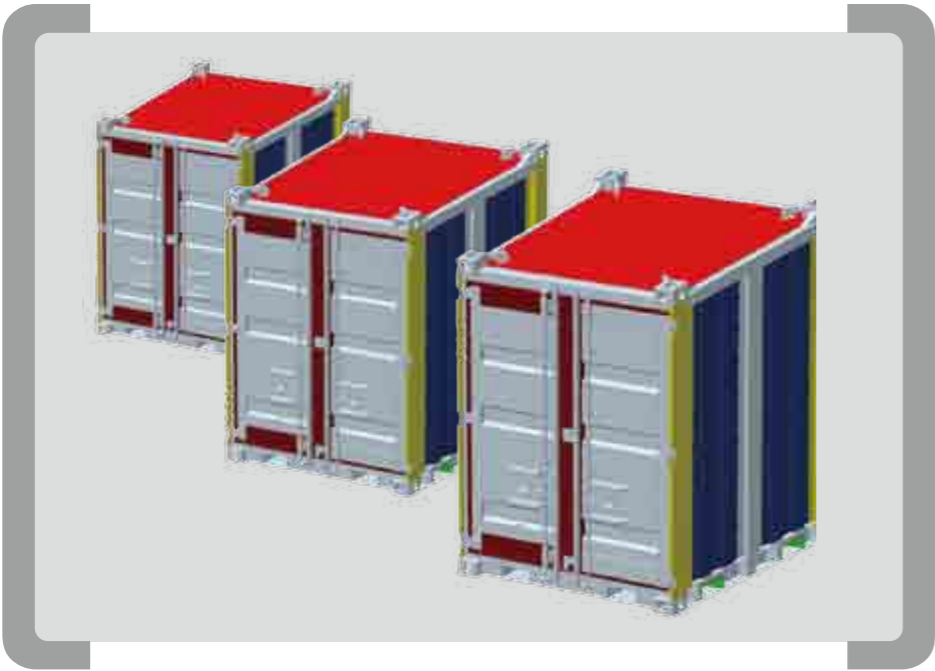
技术参数  
Technical Parameters

箱型 Container Type	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	内宽 Inner width (mm)	自重 (组) Tare weight(set) (kg)	载重 (组) Loadingcapacity(set) (kg)
折叠端侧墙结构 Foldable end wall and side wall structure	5603	3066	3750		≤4200	55800
折叠侧柱结构 Foldable side post structure	6058	2810	2250	2509	≤3700	40000



集装箱化装备

Containerized Equipment



近海集装箱

主要用于海洋石油平台的货物转运和储存，具有结构牢固可靠、耐腐蚀性能高、防倾覆稳定性好和吊运方便等特点。可依据客户要求定制，例如：6 英尺箱、10 英尺箱、开顶箱、设备箱、垃圾箱等。

Off shore Container

Mainly be suitable for transport of sea oil platform equipment and facilities, it is solid and durable. It can be made as per customers' demand, such as 6 foot container, 10 foot container, top opening container, equipment container and dustbin container.

技术参数  
Technical Parameters

容积 Cubic volume (m³)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
6.15	1830	1830	2438	5000	1630	3370



箱式托盘

主要用于行包、纸浆和油漆等集装、仓储和周转运输。现有箱式托盘、笼式托盘、罐式托盘等系列产品，具有内存空间大、尺寸标准化、防磕碰、防盗、防雨等特点，满足叉车和地牛等机械搬运、堆码作业要求，既有铁路棚车可实现三层 64 只重箱堆码。

Box Pallet

Mainly be suitable for transport of passenger package, paper pulp and paint for container, storage and short time delivery. There are products in terms of box pallet, tank pallet, cage pallet. It features large storage space, standard size, damage proof, anti-theft and anti-rain, The satisfying the operation with fork lift and bull dozer and piling up. Three layers, 64 containers can be loaded onto the existing box car.

技术参数  
Technical Parameters

箱型 Container Type	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	总重 Gross weight (mm)	自重 Tare weight (kg)	载重 Loading capacity (kg)
集装笼 Containerized cage	1300	900	1300	1000	120	880
箱式托盘 Box pallet	1300	1000	1300	1500	180	1320
罐式托盘Tank pallet	1300	1000	1300	1500	155	1345

品质保证

Certificates



我公司以为中国和世界物流企业量身定制特种、专用集装箱和集装化装备为己任，欢迎来电来函洽谈！

Our company will take the responsibility of supplying China and world logistics enterprise with special purpose containers and containerized equipments .Welcome to contact us.





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