

GENMA Worldwide

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GENMA 
bulk

Our Specialty - Your Strength

Optimized Bulk Handling Solution

GENMA Bulk Division

Rainbow Heavy Industries Co.,Ltd.

Tel: +86 -21 -6333 3037

Add: Room 1505, No.1 Zhongji Building, Lane 819,
Yinxiang Road, Shanghai, China

E-mail: genmabulk@rainbowco.com.cn

Web: www.genmabulk.com

www.genmasolution.com (valid from Mar. 2018)

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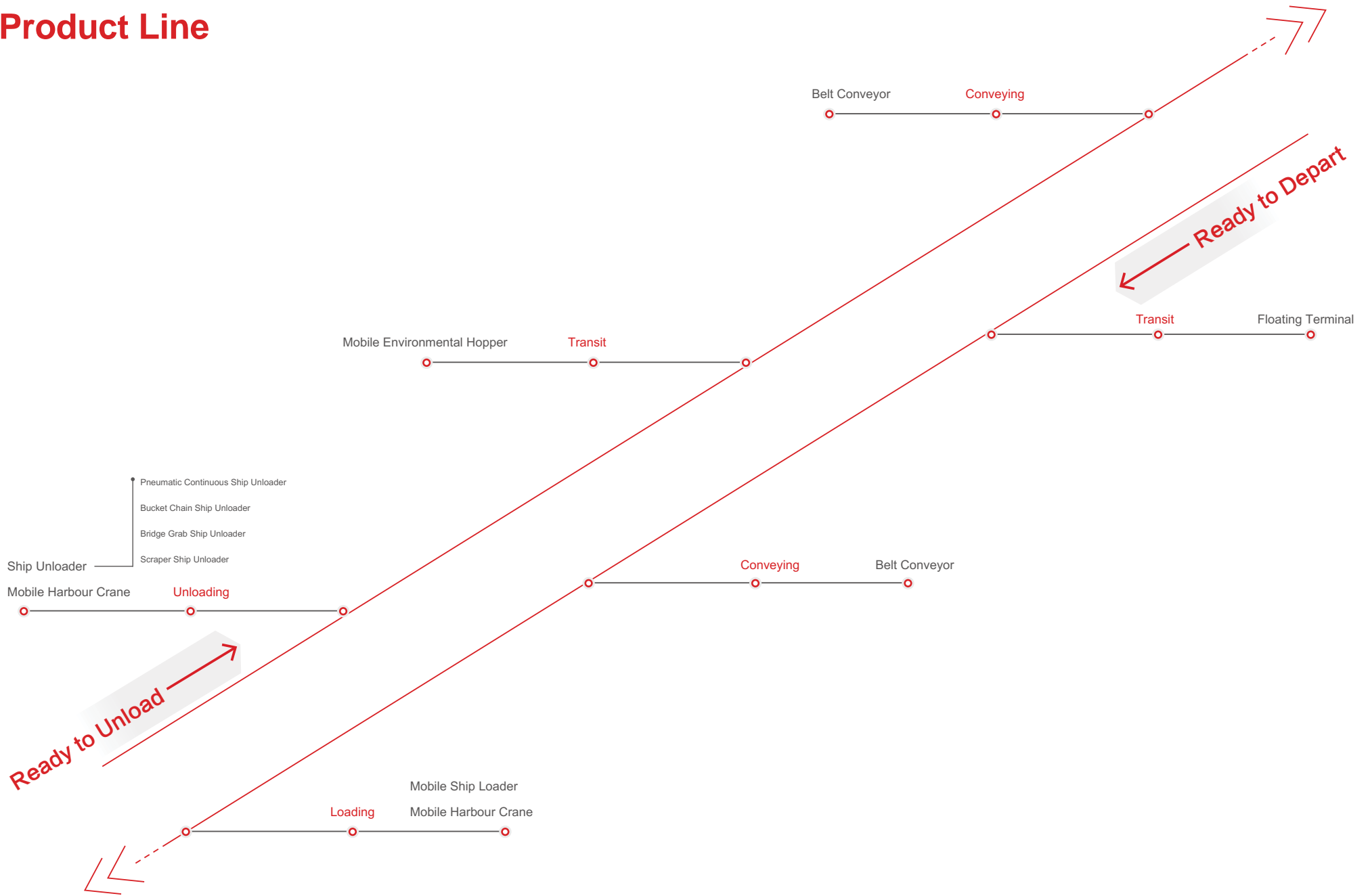
- Loading & unloading
- Discontinuous unloading
- Continuous unloading
- Loading
- Conveying

Total Solution 15



- Engineering & consulting
- Manufacture & delivering
- EPC
- Maintenance
- Training & know-How
- Financial service

Product Line



Global Overview

Delivered area

21

- AAsia: Myanmar, Vietnam, Singapore, Malaysia, Indonesia, China, India South Korea, Japan
- Africa: South Africa
- Mid-east: Saudi Arabia, Bahrain
- America: USA, Peru, Brazil, Argentina
- Europe: Finland, UK, Germany, Poland Australia



Offices

9

- Asia: China(2), Singapore, India, Bangladesh,
- Malaysia, Vietnam,
- MiddleEast: Egypt
- SouthAmerica: Peru



2240 employees worldwide



■ Delivered
□ area Offices

Mobile Harbour Crane

MHC is mainly used for bulk, break-bulk and container cargo's loading and unloading. GHC50-210, the maximum capacity ranging from 50-210t.



Key character

Equipped with efficient engine and the overhaul period is long. 3 types undercarriages optional to meet the specific needs. The intelligent safety control and optimized structure can reduce the wind load while the tower can lower to the ground under extreme weather to ensure safe operation. Besides, the user-friendly design provides easy access to operation and maintenance.



Pneumatic Continuous Ship Unloader

GPU80-600 series with capacity from 80-600t/h(single pipe), can be customized by specific condition. Self-developed multi-stage turbo blower system, more efficient and energy-saving.

3 installation types

Rail, fixed and steerable rubber tires (pulled or self-propelled)



Applicable for various cargo

Different kinds of grain, cement, mineral powder, cement clinker, sulfur, aluminum, soda ash, salt, fertilizer and petrol coke etc.

Intelligent

Automatic air flow speed adjustment leads to the optimal conveying speed. Full-automatic control, real-time and visible monitoring.

Safety

Consideration of the ATEX regulations.

Pro-environment and protect your cargo

The closed-loop conveying condition with no limitation to bad climatic conditions. Besides, the risk of material loss, foreign matters mix and damage will be prevented. The dedusting efficiency as high as 99.5% while the emission levels below 20 mg / Nm³ and the noise will be lower than 80db within 10 meters.

Bucket Chain Ship Unloader

Especially suitable for coal, mineral, grain and the other bulk materials. The efficient operation speeds up the turnover of the vessels and lower the unloading cost.



The capacity is 1000-4500t/h. Applicable to the vessel type of 35000~400000DWT. The higher vessel capacity, the more obvious discharging efficient strength.

High efficiency

The average working performance as high as 65%. The auxiliary work supported by push rake machine accounts for only 10% of the total.

Environmental & energy-saving

Enclosed conveying, no risk of material leak or loses and dust blowing. Stable operation, without frequent starting, braking, accelerating and decelerating, Less energy consumption.

Low relative investment

The design is based on the maximum capacity equalling to rated capacity. The material flowing is stable and unnecessary to increase the belt conveyor's capacity. Low wheel-pressure, which will lower the requirements of the port construction.

Scraper Ship Unloader

Mainly used in grain terminal, applicable to the vessels below 100,000DWT. The capacity range is 600-1500t/h.

Efficient

The unloading efficient as high as nearly 70%.

Eco-friendly

The energy cost is lower than 0.4kwh/t. Protect your cargo and the environment under the enclosed conveying process.

Intelligent & easy-operation

Cabin operation or remote control operation optional for you. Highly automotive, ease access to the operation.

Low maintenance required

Superior alloy steel chain adopted and wear-resistant material used at the easy-to-wear places based on the EDEM analysis. Accordingly, the service life will be extended and less maintenance required.



Bridge Grab Ship Unloader

Applicable to the vessels from 1000DWT to 20000DWT and adapting to different water levels and the material dump height. The capacity range is 500-3000t/h.

Product category

- Wire rope drive type
- Crab trolley type



Main advantages

Excellent PLC program development ability guarantees the optimized controlling methods. The parallel movement locus means higher productivity without the rotation function. The excellent lubrication system leads to less maintenance.

Main features

- Applicable to various material: coal, mineral, cement and grain etc.
- Various structural style choices

Energy saving and environment-protect

- The optimized structure design means less installed power and energy consumption.
- Optional dry fog dust suppression or negative pressure dry dust removal system.

Mobile Ship Loader

The mobile ship loader is mainly used for continuous loading operation, especially for bulk cargo, which is designed based on the port condition. Capacity ranges between 500-6000t/h.

3 types of installation

- Railway
- Arc-swing type
- Linear swing type



Flexibility

Applicable to the vessels from 1000DWT to 20000DWT. Various materials can be handled, such as coal, mineral, cement and grain etc. Multiple structure, power supply and lighting system options provided. The clients can choose based on the port conditions.

Mobile Environmental Hopper

Optimized control system and structure

The structure is optimized based on the finite element software. Excellent PLC program development ability ensures the customers choosing the optimized controlling methods. Developed hydraulic drive technology and lubrication system means higher efficiency and less maintenance needed.

Efficient and low noise

Boom stretching and luffing, slewing and gantry travelling lead to wider working range. Telescopic chute equipped with slewing throwing device further enhances the working efficiency. The variable-frequency boom conveyor can flex and control the conveying quantity. PLC electric-control and wire controller system, reliable and low-noise.

Environmental & energy-saving

The optimized structure means less installed power and energy consumption. The conveyors adopt soft starters which can save cost and meet the demand of energy controlling. Flexible telescopic chute installed with wear-resistance and dustproof features. Besides above, dry fog dust suppression or negative pressure dry dust removal system can be chosen based on the client's condition.

GHH series mobile environmental hopper is different from the common hopper with its environment-protection, safe and flexible features.



Nearly dust-free & low noise

The whole processes is designed on eco-friendly basis. Heavy duty "flex-flap" dust suppression system equipped. Enclosed conveying, no risk of material damage, contamination, dust blowing. Every noise resource equipped with related noise and vibration reduction solution.

Flexibility

Various power supply options, high efficient walking ways: quickly get ready for operation.

Safety

Bumper bar, hydraulic lifting-up, grab positioning system, monitoring & alarming system and material overload sensor provides safe guarantee. Anti-explosion components used in the explosion proof area. The electrical control house, cabin and the compressor room apply the positive pressure explosion-proof.

Floating Terminal



Capacity: 3000t/h or customized by your conditions.

Floating terminal can continuously load and unload, no ship-shifting and waiting time in the process. The ground logistics chain extends to the port and reduces the overall logistics cost.

Key character

All the component parts and the whole system are optimized based on our design and manufacture expertise. The system is mainly composed by crane, hopper, belt conveyor and ship loader.

Belt Conveyor

Belt conveyor is widely used in open pit mine, metallurgy, electric power, construction materials, chemical, grain and port industry.

The capacity is 300-6000t/h, the maximum belt width could be 2200mm. Main structure: belt, idler set, rollers set, actuating device, tensioning gear and sweeper. The final solution can be customized based on the client's condition.

Key character

- High productivity, safe, stable and dust proof.
- Automation and centralized control.
- Long-distance and large-capacity demand can be satisfied.



Far More Than Product Providing...

Engineering & consulting

- Nearly 20 years' experience & more than 120 experts team
- Design & manufacture engineering
- Process optimizations
- Analysis & consulting

Manufacture & delivering

- Nearly 20 years manufacture experience
- Installation and debugging guaranteeing the instrument's application

EPC

- From consulting to the turnkey project delivery

Maintenance

- Spare parts management
- Repairs & overhaul
- Retrofits
- Maintenance

Financial service

- Leverage buyout
- Minimum initial investment
- Long payment term up to 10 years
- Low interest rate

Training & know-How

- Operation & maintenance
- Application
- Maximize application
- Industry expertise

