

## ABOUT PACECO® CORP.

PACECO® CORP. is recognized as a world leader in the design and manufacture of cargo container handling cranes for seaports. Our primary products, PORTAINER and TRANSTAINER cranes, are among the most reliable and productive container handling cranes on the market.

Working closely with ports and terminal operators, PACECO® CORP., along with our internationally known licensees, continually develop new designs and advanced technologies to meet ship and terminal operator's incessant drive for operational productivity and efficiency improvements. PACECO® CORP. also performs engineering and crane modification services by leveraging our extensive experience in crane design and manufacturing.

PACECO® CORP.'s products, services, and research and development in new technologies will continue to advance the container transport industry.



## 65 LT MONOGIRDER PORTAINER® CRANE

Outreach:	67m
Lift Height:	47m
Hoist Speed:	90/180m/min
Trolley Speed:	240m/min
Gantry Speed:	46m/min



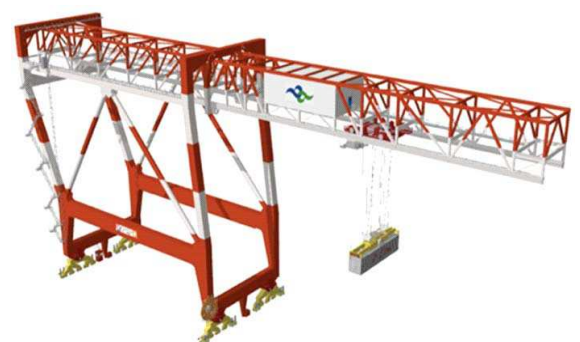
## 50LT PORTAINER® CRANE

Outreach:	56.6m
Lift Height:	40m
Hoist Speed:	80/160m/min
Trolley Speed:	240m/min
Gantry Speed:	46m/min



## 40.6 LT PORTAINER® CRANE ARTICULATED BOOM

Outreach:	37m
Lift Height:	32.5m
Hoist Speed:	60/120m/min
Trolley Speed:	180m/min
Gantry Speed:	45m/min



## 65 LT LOW PROFILE PORTAINER® CRANE

Outreach:	63m
Lift Above Rail:	40m
Hoist :	90/180m/min
Trolley:	240m/min
Gantry Speed:	45m/min

# PORTAINER® CRANES

PACECO® CORP.'s dockside container handling cranes, known as PORTAINER® cranes, are the workhorses of the container handling industry. PORTAINER® cranes perform the vital work of loading and unloading cargo containers on containerships.

The industry regards PORTAINER® cranes as amongst the highest quality, light-weight container cranes available. PORTAINER® cranes are reliable, easy to maintain, and have high performance.

PACECO® CORP. has produced numerous designs to suit a variety of needs. Low-Profile and Articulated Boom designs are available for ports situated near airports. PACECO® CORP. has also supplied Mono-Girder and Self-Propelled Trolley cranes.

PACECO® CORP. also provides supplementary systems such as:

- Anti-Snag Systems
- Anti-Sway Systems
- Boom Anti-Collision Systems
- Curved Rail Articulation
- Seismic Isolation



# PORTAINER® CRANES

## 50 LT PORTAINER® CRANE

Outreach:	52m
Lift Height:	36.5m
Hoist Speed:	61/131m/min
Trolley Speed:	183m/min
Gantry Speed:	45m/min



## 60 LT MONOGIRDER PORTAINER® CRANE

Outreach:	54m
Lift Height:	38m
Hoist Speed:	80/160m/min
Trolley Speed:	210m/min
Gantry Speed:	45m/min



## 61 LT MONOGIRDER PORTAINER® CRANE

Outreach:	63.5m
Lift Height:	43.5m
Hoist Speed:	80/180m/min
Trolley Speed:	240m/min
Gantry Speed:	45m/min



## 65 LT MONOGIRDER PORTAINER® CRANE

Outreach:	64m
Lift Height:	46m
Hoist Speed:	60/160m/min
Trolley Speed:	240m/min
Gantry Speed:	45m/min



# TRANSTAINER® CRANES



## STANDARD TRANSTAINER® RTG CRANE 8-WHEEL 1 OVER 6

Rated Load:	40.6 tons
Span:	22.5m
Lift:	21m
Hoist Speed (loaded):	23m/min
Hoist Speed (empty):	52m/min
Trolley Speed:	70m/min



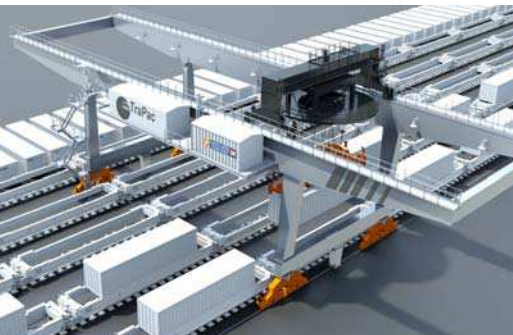
## HYBRID TRANSTAINER® RTG CRANE 8-WHEEL 1 OVER 5

Rated Load:	40 tons
Span:	77ft
Lift:	18.0m
Hoist Speed (loaded):	23m/min
Hoist Speed (empty):	52m/min
Trolley Speed:	70m/min
Large sized Lithium Ion Battery	



## TRANSTAINER® RTG CRANE 16-WHEEL 1 OVER 5

Rated Load:	40 tons
Span:	77.6 ft.(23.65m)
Lift:	59 ft.(18.0m)
Hoist Speed (loaded):	23m/min
Hoist Speed (empty):	46m/min
Trolley Speed:	70m/min
Gantry Speed:	145m/min



## RMG TRANSTAINER® CRANE

Rated Load:	40.6 tons
Hoist Speed (empty):	60m/min
Hoist Speed (loaded):	30m/min
Trolley Speed:	120m/min
Gantry Speed:	150m/min

TRANSTAINER® cranes are yard cranes that handle containers within container terminal storage facilities.

PACECO® CORP.'s TRANSTAINER® cranes are amongst the most productive and reliable yard cranes. They improve port productivity and have low maintenance requirements for higher crane availability.

Our company and our licensees have refined our crane designs and developed technologies that enhance efficiency, productivity and safety.

TRANSTAINER® cranes are mainly available in two forms: Rubber-Tire Gantry (RTG) and Rail-Mounted Gantry (RMG) cranes.

PACECO® CORP. provides a variety of each crane. RTG cranes are available in a variety of wheel configurations, most commonly in 8-wheel or 16-wheel designs.

All TRANSTAINER® cranes can incorporate technologies to improve their productivity, safety, and efficiency such as:

- Anti-Collision Systems
- Anti-Sway Systems
- Automation
- Auto Steering
- Diesel Emissions Reduction Devices
- Position Tracking
- Profile Detection System
- Remote Crane Monitoring and inventory Management



## CRANE MODIFICATION

PACECO® CORP.'s experienced Engineering staff are capable of designing and performing dockside or container yard crane modifications. Customers can modify or upgrade their existing equipment for improved performance and handling capabilities. As time progresses, ports often find the need to address new challenges in container handling, such as increasing vessel sizes, new yard configurations, and seismic concerns. Engineers at PACECO® CORP. can help evaluate methods to address these concerns, and determine the best Crane Modification options.

## ENGINEERING SERVICES

PACECO® CORP. is experienced in a variety of Engineering Services including:

- Crane Survey
- Elevator Installation
- Gantry Articulation
- Hoist & Traverse Speed Upgrades
- Lifting Capacity Upgrades
- Rail Span Changes
- Seismic Isolation Retrofits
- Snag Protection Systems
- Storm Brakes

## SPARE PARTS

Our company supplies all original parts for PACECO® CORP. and PACECO® CORP. licensee container handling cranes. Our company also provides high quality crane spreaders for dockside and yard cranes.

## CRANE RAISE



## BOOM EXTENSION

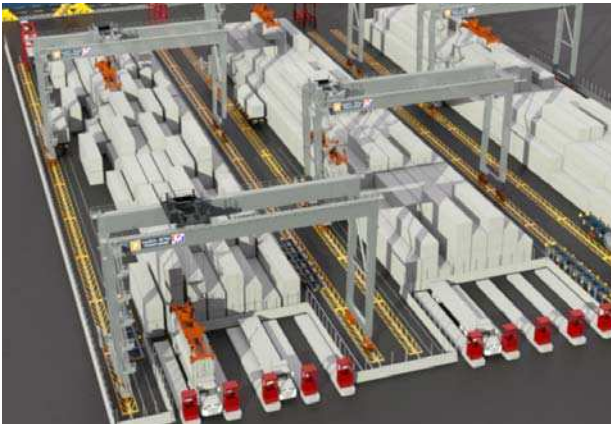


## CRANE RELOCATION



## CRANE SURVEY





## ADVANCED TECHNOLOGIES

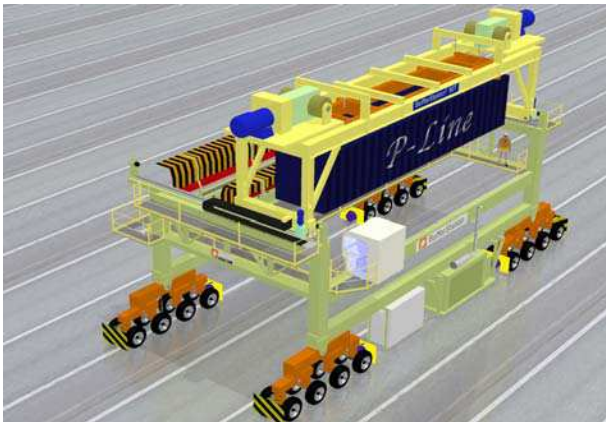
### RAILSHUTTLE® SYSTEM

PACECO®CORP. RailShuttle automated container terminal provides an alternative to the traditional terminal design based on Automated Stacking Cranes (ASC's). The RailShuttle System uses lightweight rail-mounted shuttles to move containers within the stacking yard instead of using the ASC's, which provides operational flexibility, improved productivity and lower energy costs.



### SUPERTAINER® CRANE

SUPERTAINER® crane is a high productivity dockside crane that uses three-trolleys to achieve high container handling speeds. The SUPERTAINER® crane dedicates one hoist trolley to the seaside operation, one to the landside operation, and uses a high speed trolley to move containers between the two. During an unloading operation for example, the seaside trolley takes a container from the vessel and places it on the trolley. The trolley moves the container to the landside hoist, which deposits the container on the truck. The SUPERTAINER® crane is capable of performing 85 moves per hour.



### BUFFERSTATION® MACHINE

BufferStation® Machine is device that adds a second hoist to existing standard dockside cranes and improves dockside crane productivity to approximately 48 moves per hour per crane. Supported by rubber-tires, the BufferStation® Machine can be easily rolled beneath existing dockside cranes with virtually no wharf or crane modifications. It is therefore a simple and effective method of improving dockside productivity without making major changes to terminals. Dockworkers also experience improved safety due to protective structures and isolation from dock vehicles.



### OVERHEAD BRIDGE CRANE

Overhead Bridge Cranes, known as OHBC's, can be considered the most sophisticated yard side container handling equipment available today. The bridge cranes traverse along permanent raised rails, allowing improved precision, speed, and higher stacking height. Capable of stacking up to 9-high, these yard cranes have the highest land utilization. In addition, the precision and safety of OHBC's allows higher automation and efficiency.



## WORLDWIDE LICENSEES



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