











Options and Upgrades

With the future of bulk handling expected to grow, so does the increasing pressures for terminals and bulk handling facilities to cope with these demands.

At RAM, we are committed to helping you get the most out of your equipment.



**Our Revolver upgrades will enhance performance,
boost productivity and increase safety**

Upgrade Option	Type	Description	Fitting	
			Onsite	Factory
Auto Greasing System		The auto greasing system performs autonomously, eliminating the consuming manual lubrication job. The system extends the life of the part/component by preventing unnecessary wear.	●	●
Camera System (CS)		The camera system extends operator's vision showing real-time visuals of the specific locations on the spreader. This eases the container handling process, increasing operational efficiency. Cameras can be mounted in various locations on the spreader to suit requirements.	●	●
Wireless Diagnostic System	 	Provides real-time diagnostic information from Revolver to a hand-held tablet device. Revolver PLC is integrated with webserver located in the crane cabin. The special antenna emits the Wi-Fi signal to the tablet PC in the crane cabin. This system is a safe and secure method of obtaining Revolver's diagnostics. This feature can be fitted onto Revolver at our factory or on-site.	●	●
Lid Lifter		The automated system (un)locks, removes and replaces the container lid. With the container lid sealed until the unloading process, there is no loss of commodity, contamination or dust generated during the handling process.	●	●
Storage/Docking Frame	 	The practical function of the storage frame allows for safe and secure access for maintenance purposes and for improved mobility of Revolver via Fork Lift access holes. The Storage/Docking Frame is attached to Revolver using pin connections on Revolver's end beams of its inner frame.	●	●
Stainless Steel Hydraulic Tank		The standard carbon steel tank can be upgraded to stainless steel for enhanced durability.	●	●
RAM Crane Gateway		An enclosure containing PLC and communication module for installation in crane.	●	●
Hydraulic Test Bench		Providing practicality for testing RAM hydraulic components	●	●

After Sales:

- Service
- Spare Parts
- Commissioning
- Refurbishments
- Health Checks



Contact us



RAM developed its product range responding to customers' operational needs and future expectations. We offer bespoke equipment based on our wide range of spreader models and options to deliver the most effective and practical container-handling solutions.

RAM Spreaders is the world's leading independent, dedicated specialist spreader manufacturer. The company has manufacturing facilities in China; service and repair centres in Singapore and UK; and sales and after-sales service support throughout Asia, Americas, Europe, Middle East and Africa.

PRODUCT RANGE

A comprehensive range of product for:

- Ship-to-Shore Cranes
- Yard Stacking Cranes
- Mobile Harbour Cranes

Product range includes:

- Electro-Hydraulic Spreaders (Single and Twinlift)
- All-Electric Spreaders (Single and Twinlift)
- Light Weight Spreaders
- Overheight Spreaders
- Tandem Headblock
- Revolver / Rotating Spreaders
- PinSmart (Automated Twistlock Handling Machine)
- Pipe Spreaders

RAM Lifting Technologies Pte Ltd

Singapore

Tel: +65 6716 9400

Fax: +65 6261 1300

China

Tel: +86 512 52297222

Fax: +86 512 52297223

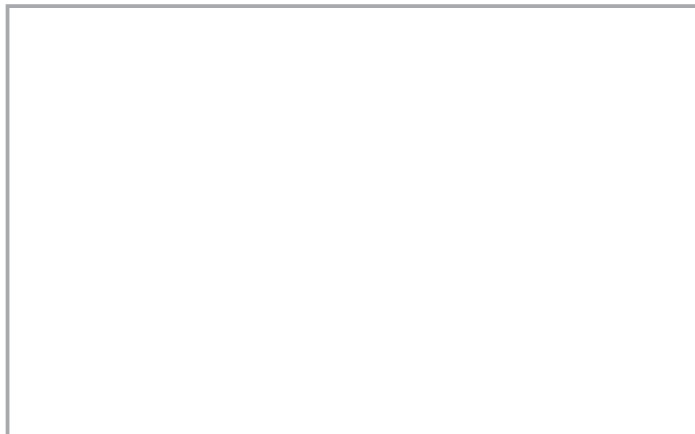
UK

Tel: +44 (0) 1695 556355

Fax: +44 (0) 1695 556356

For all sales enquires, please email to :

sales@ramspreaders.com



Please visit our website for other national and regional agents

www.ramspreaders.com

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