

MOBILE SOLUTIONS



WE CONVEY QUALITY

SAMSON
AUMUNDGROUP

INDUSTRIES

PORTS & TERMINALS

SAMSON Materials Handling has established a suite of ship loading and discharge appliances tailored to the Ports & Terminals business handling dry bulk cargoes. Specifically developed to offer both flexibility in operation from existing berths and high performance loading, whilst respecting the highest environmental standards for dust and pollution control.

MINING & MINERALS

The SAMSON range of bulk handling solutions is dedicated to the reliable intake, storage, export and import of minerals and concentrates at the quarry, mine, terminal and processor. Mobility is at the core of our product concept; from truck intake, through to mobile stacking and ship loading solutions able to operate from existing or temporary berths.

AGRICULTURE

SAMSON Materials Handling has designed a comprehensive range of mobile equipment for the storage and export of cereals and similar agribulks. Our equipment provides high performance with handling rates on Shiploaders to 1200 tonnes per hour with the flexibility of operating independently of dedicated infrastructure or port facilities.

ENVIRONMENTAL

Alternative fuels such as biomass, agricultural waste products, end of life tyres, paper, plastics, Refuse Derived Fuel (RDF) all form part of the fuel mix in many cement plant and power utilities including combined heat and power plants. All of these materials present a challenge to the materials handling plant designer given that they are different in their characteristics.

IRON & STEEL

For the intake of raw materials and by-products throughout the steel works and associated plant, the SAMSON Mobile Material Feeder provides a flexible alternative to conventional deep pits and hoppers receiving material direct from tipping trucks. SAMSON heavy duty Shiploaders provide an ideal mobile solution for safe delivery of heavy bulk materials.

POWER

SAMSON Materials Handling offers a range of economical handling solutions for the loading and discharge of rail wagons, road trucks, barges and ships to Panamax size using a combination of surface mounted and mobile solutions. These can be incorporated into the existing infrastructure of power plants.

CEMENT

SAMSON Materials Handling is a recognised specialist for the conveying and storage of all bulk materials pertaining to the cement and related industries. The SAMSON range of products provides the link from the point of origin or quarry, through storage and transportation, to processing.

FERTILISER

When designing SAMSON fertiliser equipment, special consideration is given to the form and the properties of the material to be conveyed; the flow characteristics of the granules, pellets or powder as well as extra durability in the wear plates and liners. Dust production at transfer and source is minimised with specialised filtration units and enclosures.



Samson® Material Feeder at the reception point.

Requiring no fixed works or services SAMSON Mobile Shiploaders can be moved away from the operational area when not in use making

them ideal for narrow or multi-purpose quays.

The shiplading system is enhanced with specialised trimming equipment, covers and enclosures relevant to the material being conveyed.



BENEFITS

- Provides dust-free loading to the vessel hold and allows for fast trimming of entire vessel
- Powered travel - ideal for narrow quays
- Slew ring mount between Samson® Material Feeder and Shiploader permits 180 degrees working arc
- By mounting the shiploader to 1-2 Samson® Material Feeders, the entire equipment can be moved as an integrated unit
- Three roll troughing idlers support conveyor belt in conveyor design for maximum rigidity and minimum weight
- Remote control allows for operator to stand close to and watch the trimming, rather than operate from a distance



onward handling systems can accommodate the increased capacity.

The SAMSON Eco Hopper is designed to serve busy ports. It receives bulk materials from vessel mounted or shore based grabs

and employs a variety of dust containment measures before discharging the material into trucks, rail cars or onto a transfer belt conveyor. Mounted on rails or wheels the Eco Hopper can be positioned along the quay as required.



BENEFITS

- Minimise escape of fugitive dust
- Fit to any onwards processing or logistics requirements
- Can be used on non-dedicated quays and moved off the area when not in use
- Flexible positioning to suit unloading vessel
- Ability to work with a wide variety of materials with differing characteristics



manoeuvrability and quick set up time make it ideal to respond to changing market needs.

The SAMSON Stormajor® is a compact and versatile piece of equipment which offers the performance of a fixed load system without the

need for a permanent infrastructure.

Power and travel options, boom size, hopper reception unit and dust control features can all be tailored to suit the material and application.



BENEFITS

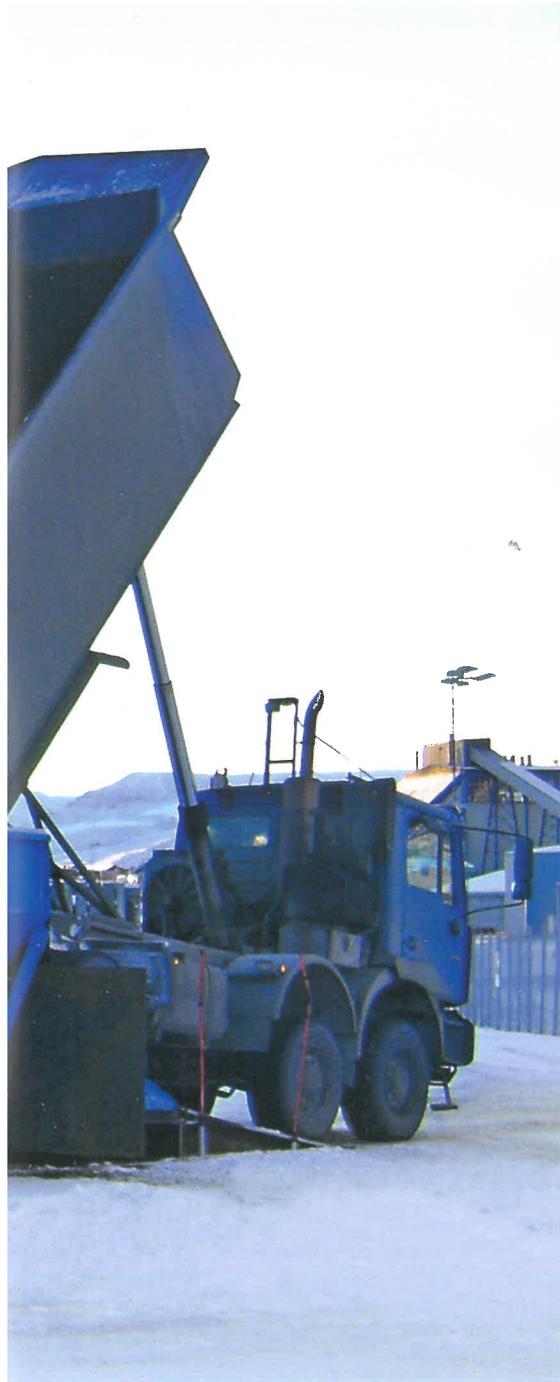
- Multiple function equipment
- Fit to any onwards processing or logistics requirements
- Can be used on non-dedicated quays and moved off the area when not in use
- Flexible positioning to suit unloading vessel
- Ability to work with a wide variety of materials with differing characteristics



and discharge options tailored to material and operation.

The Samson® Material Feeder can be used as a standalone reception unit or can be configured as part of a conveying system permitting efficient transfer of dry bulk materials from

source to onward processing. The Samson® Material Feeder can convey a multitude of bulk materials where fixed plant is not an option.



BENEFITS

- No deep pits or underground hoppers
- No civil works, giving flexibility of location
- Receives directly from a variety of vehicles
- Buffer holding capacity allows for continuous outgoing feed rate
- Handles dry and dusty materials
- Handles wet and sticky materials
- Reduced energy consumption
- Easy to maintain and service
- Wide apron belt design combines strength of a steel apron feeder with cleanliness of a belt feeder
- Flexible side seals prevent spillage and waste



FEATURES

- High strength lattice structure
- Option of covers, dust filtration and trimming chutes
- Automation technology
- Automated stockpiling options

BENEFITS

- Controlled loading and stacking rates
- Easily transportable and immediately operational
- Reduces fuel consumption

WITH BEST COMPLIMENTS

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