

Stormajor[®] Boom Feeder BF0415T

SAMSON
AUMUND GROUP

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Stormajor® Boom Feeder

The SAMSON Stormajor® BF0415T is designed to receive bulk aggregates with densities of up to 1.6 t/m³ direct from dump trucks providing a large holding capacity and a regulated output feed rate of up to 625 m³ (dependant on material density) per hour direct to a mobile crushing, screening or other processing plant.

Undercarriage

The BF0415T is mounted on a tracked subframe with a pair of heavy duty steel growser type track units.

Power pack

Both the feeder and tracks are driven by a CAT C 4.4 diesel engine via variable displacement hydraulic pumps.

Loading section

Horizontal loading section with folding flared entry allows greater flexibility in vehicle alignment and maximises holding capacity while minimising the vehicle access ramp requirement. Material can be received direct from the trucks or wide bucket front end loaders. The folding flared entry allows the BF0415T to meet restrictive transport dimensions.

Outloading boom section

The luffing and radial ranges allow for flexible feeding and large stockpiling capabilities. Featuring a foldable boom, the BF0415T meets compact transport dimensions.

Conveyor design

Feeder belt supported by unique high performance, trapezoidal form, load bearing double apron bars located every pitch of the heavy duty conveyor chain. The feeder uses a 2,200 mm wide belt and the boom a 1,000 mm wide chevron belt.

Material discharge rate

Regulated volumetric material discharge is controlled by a combination of an adjustable strike off blade and belt speed.

Controls

A control panel (with LCD screen) provides proportional speed, slew and luff control and indicator lights that downstream equipment is ready to receive material. Tracking is controlled via a dog lead remote control. In addition the unit will be supplied with a block chute probe at the transfer point and a rotation sensor.



The evolution of the wheeled Stormajor® to the tracked version offers market proven high performance and reliability with unrivalled manoeuvrability.

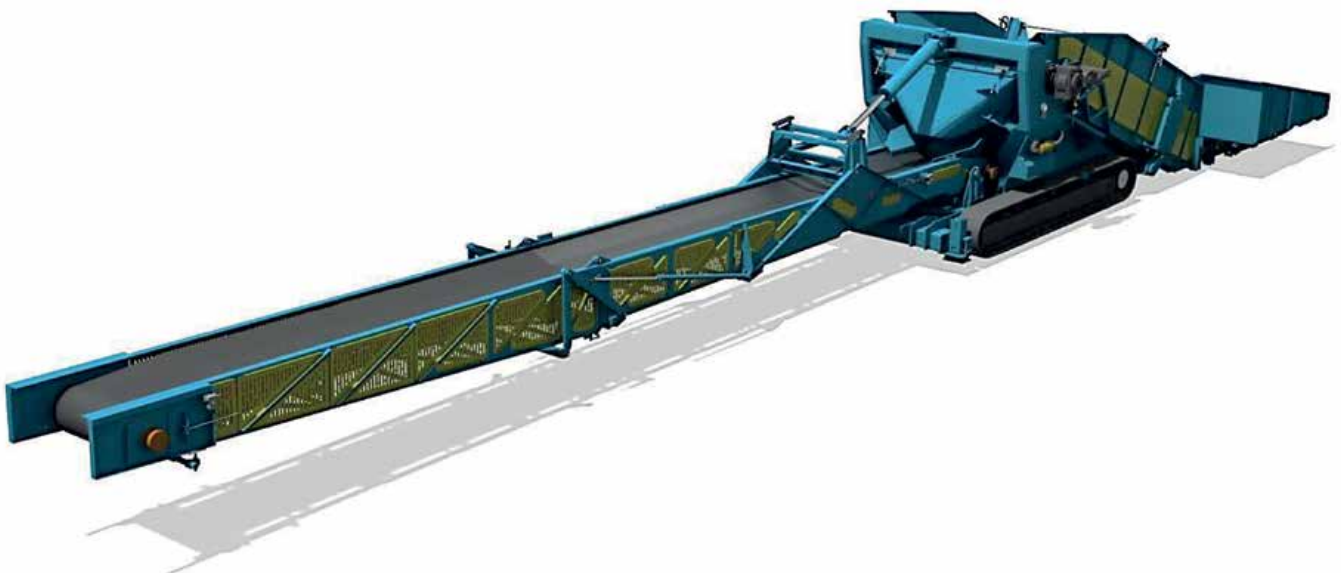
This concept delivers a cost effective solution for stockpiling, barge loading, shiploading and rail wagon loading, even in the world's most arduous conditions.

Key Features

- Compact dimensions
- Rapid set up time
- 20 m & 15 m boom available
- Folding hoppers
- Increased radial facility
- Remote control via umbilical control or optional radio control
- Outriggers
- Winch operated levelling blade

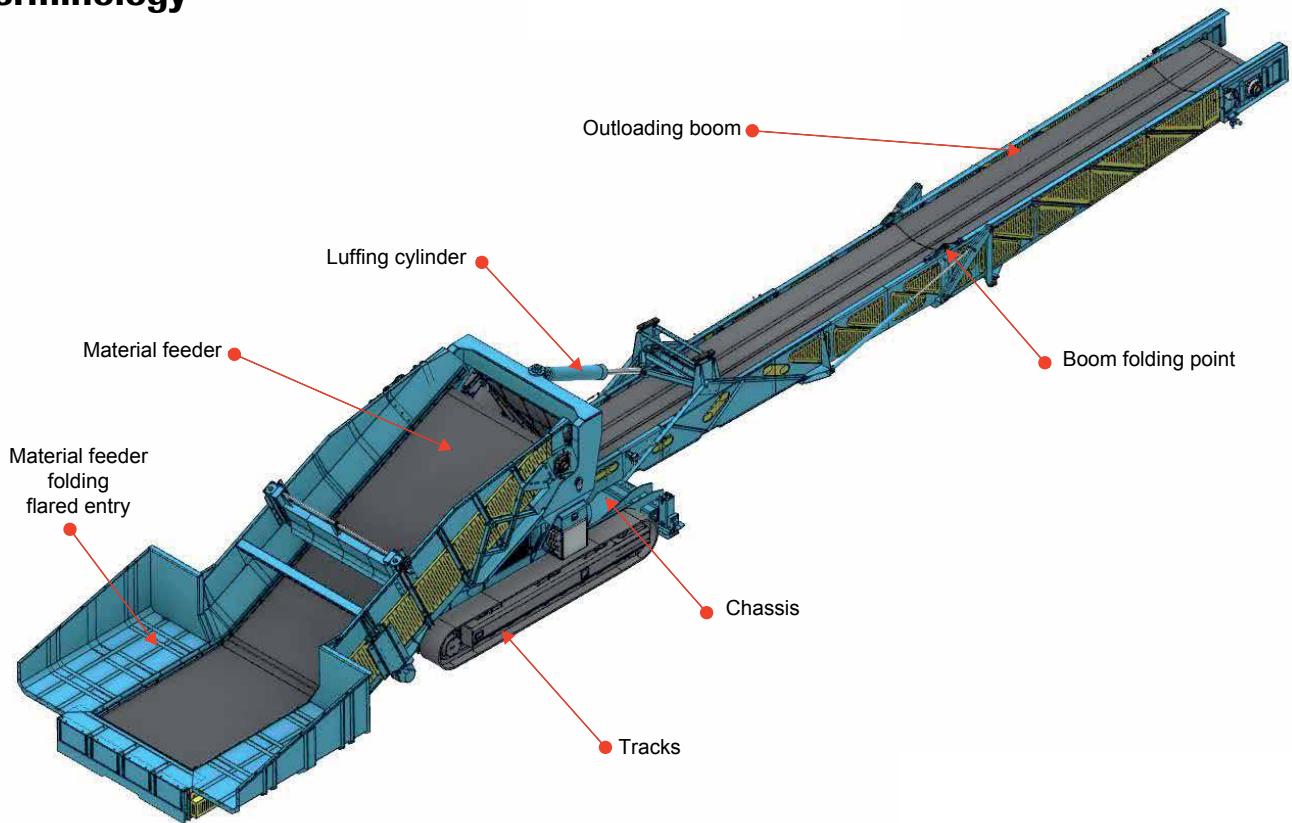
Benefits

- Easily transportable to site and immediately operational
- Quick production start up from delivery
- Offering fleet owners flexibility
- Accept a huge variety of trucks and loading options
- +/- 65 degrees offers more efficient stockpiling with fewer moves
- Ease of operation
- Increased radial range
- Flexibility in controlling material flow



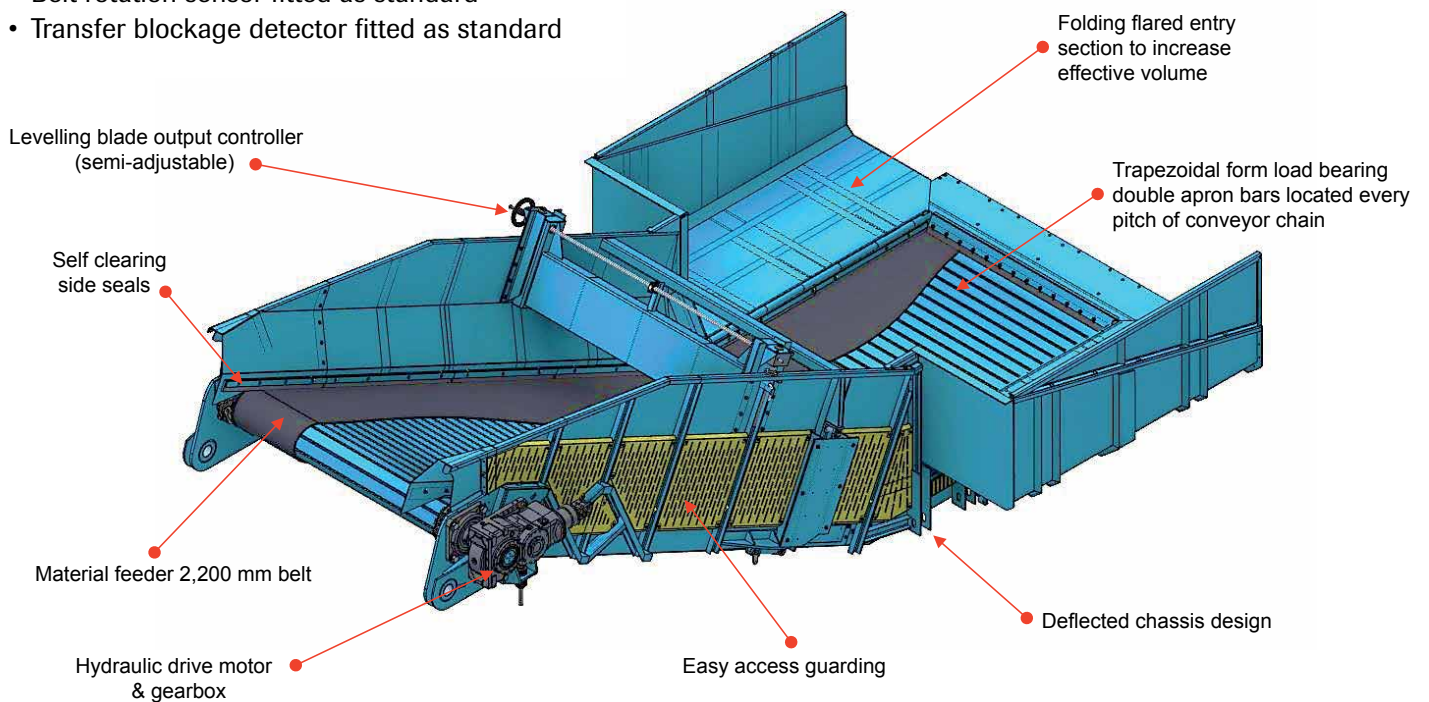
Boom Feeder BF0415T

Terminology



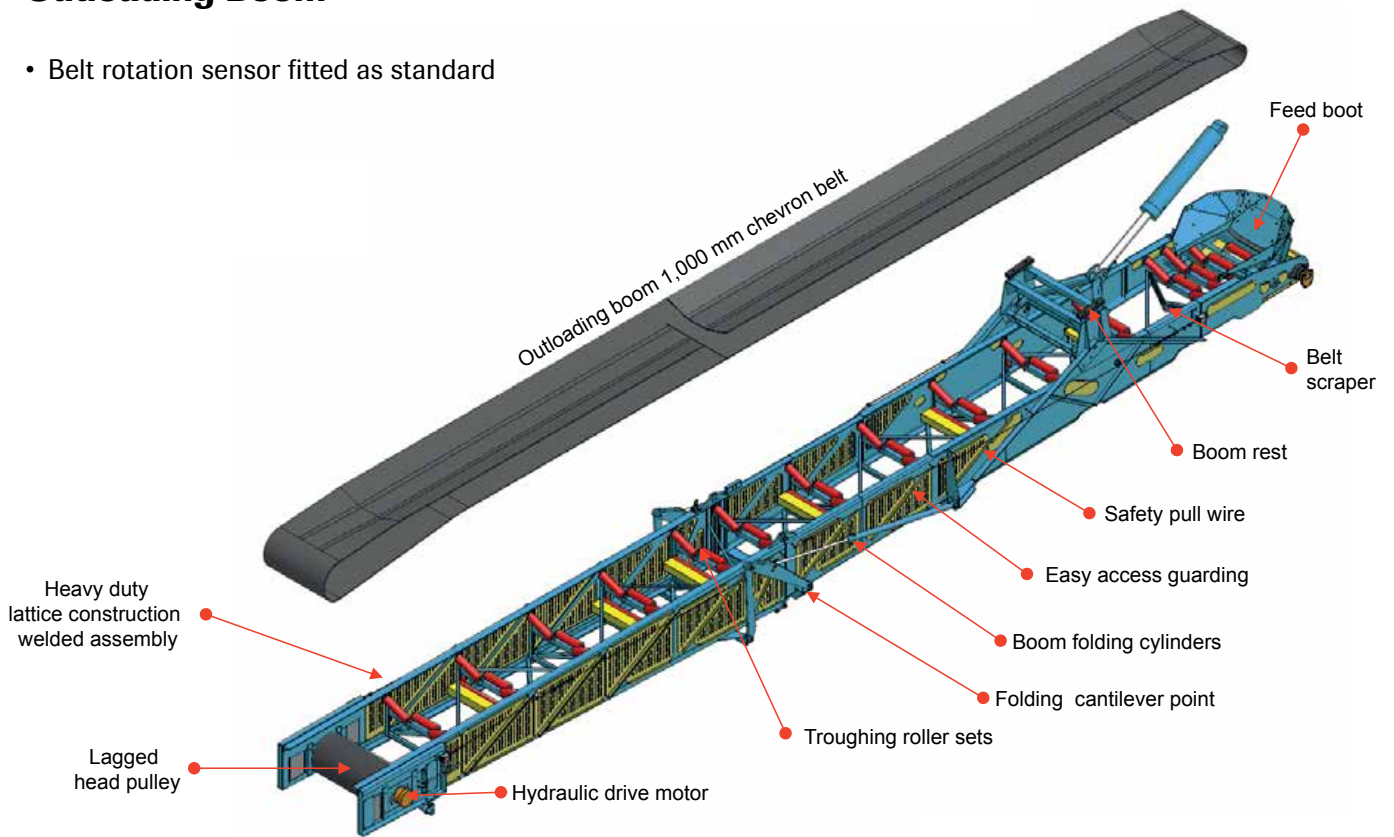
Boom Feeder

- Belt rotation sensor fitted as standard
- Transfer blockage detector fitted as standard

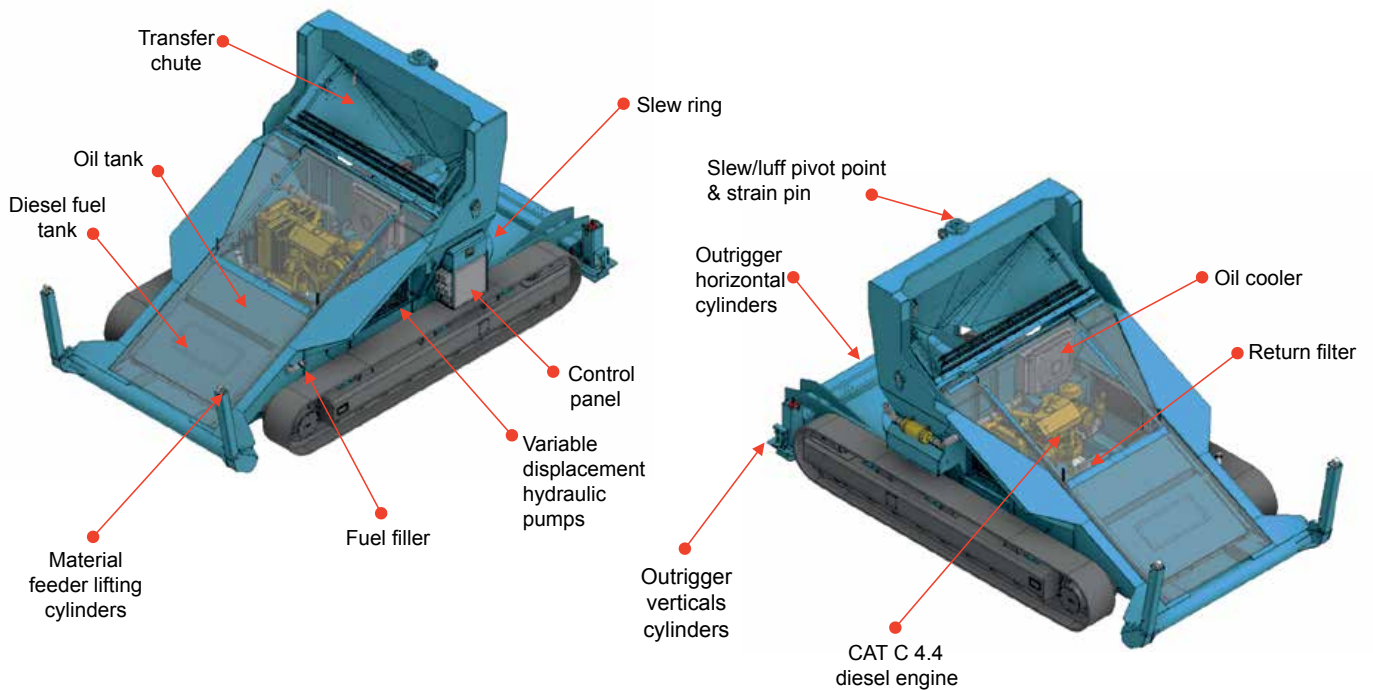


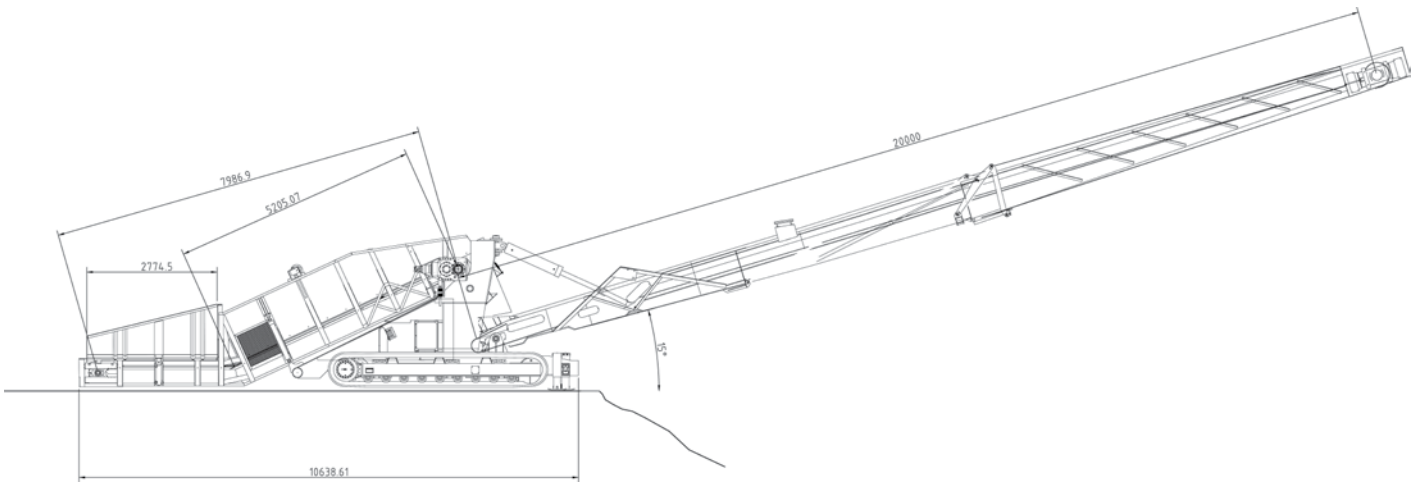
Outloading Boom

- Belt rotation sensor fitted as standard



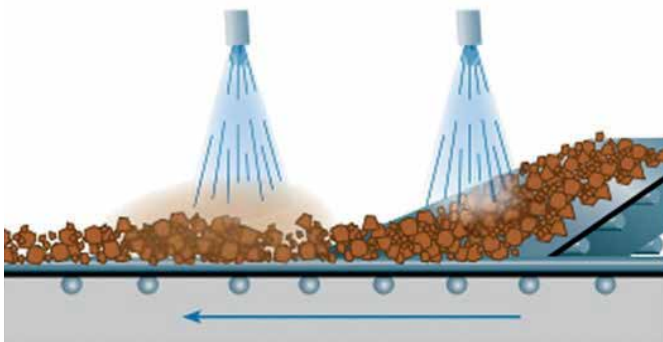
Chassis



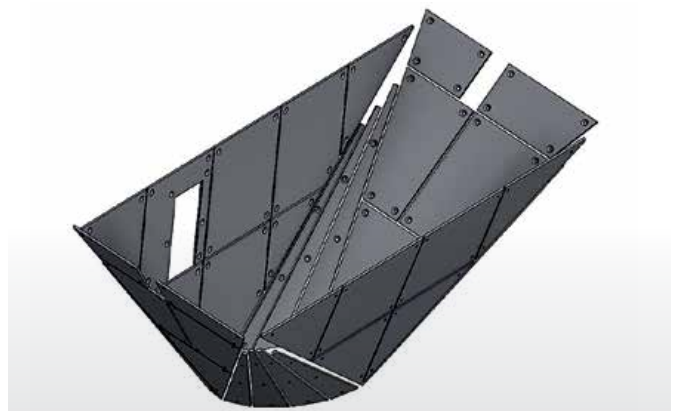


Upgrade to manual fold 20 m boom

Optional Equipment



Dust suppression water spray



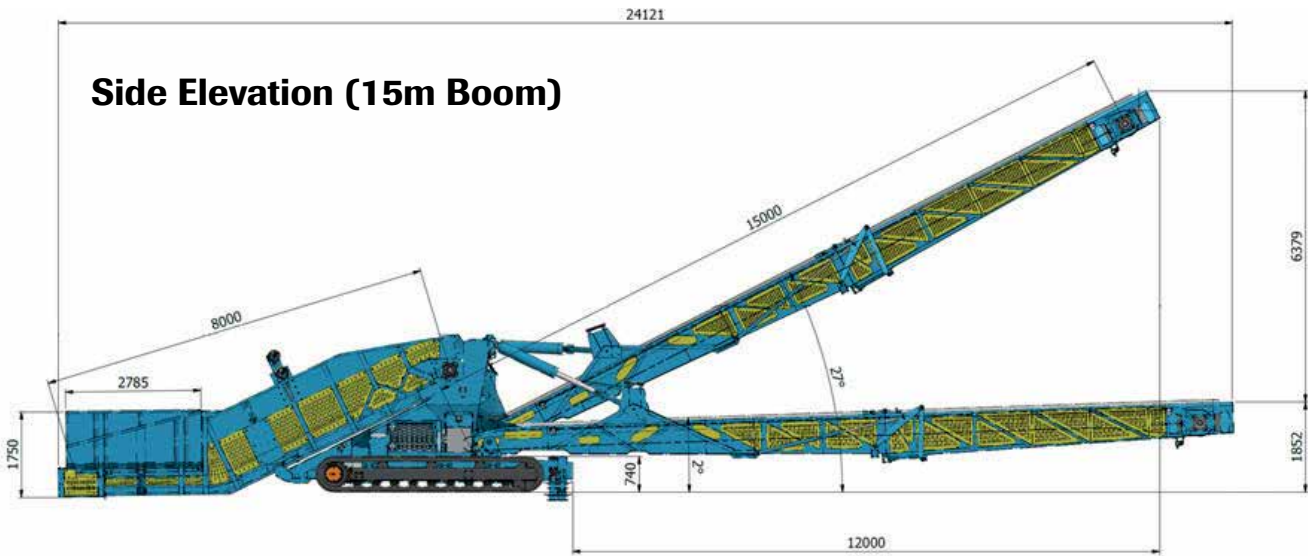
Wear plates in transfer chute



Canvas dust package

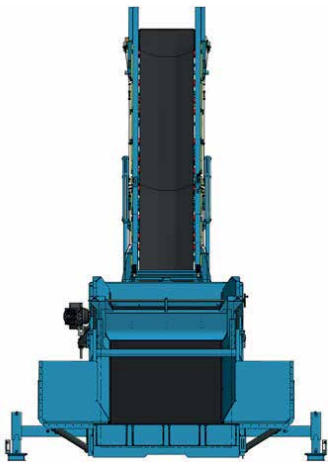


Radio remote control

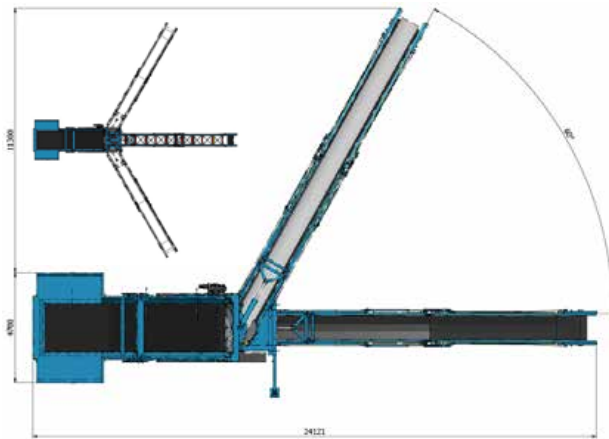


Side Elevation (15m Boom)

Note: Operational boom angle 2° to 25°. 25° to 27° non operational pile clearance function

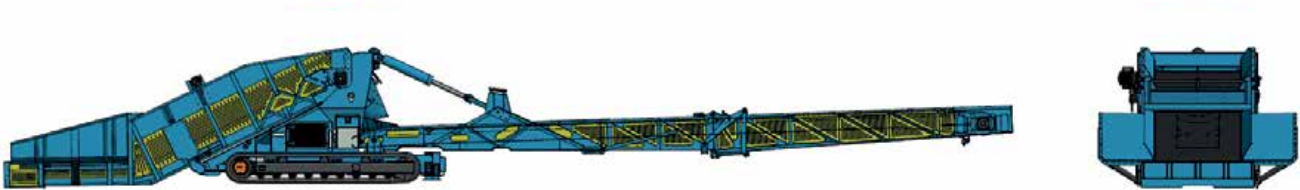


Rear elevation



Plan elevation (15 m Boom)

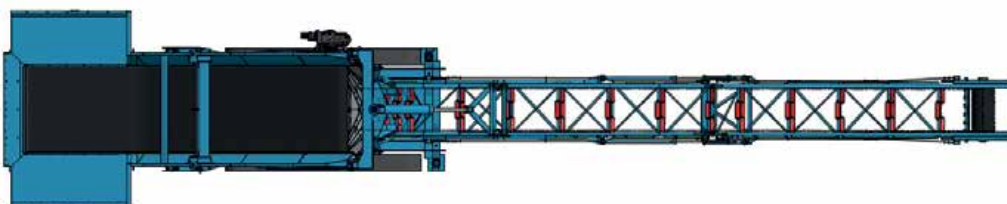
Performance Data



Typical materials

- Mineral ores
- Sand
- Aggregates
- Coal
- Coke
- Wood pellets

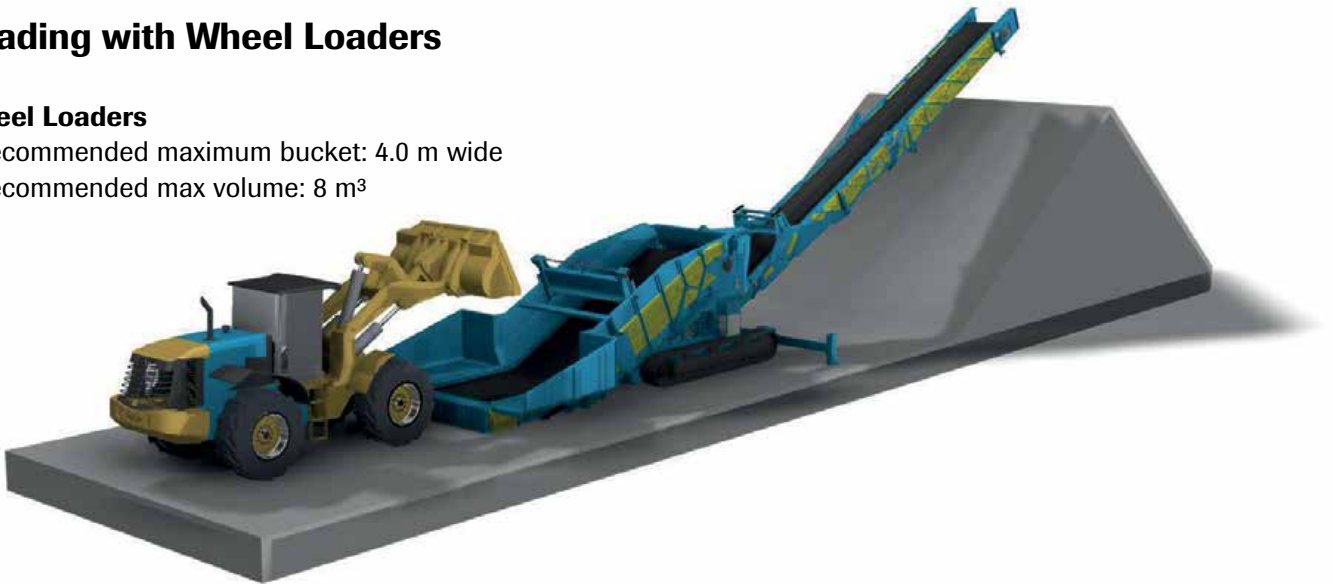
Maximum density: 1.6 t/m³
 Lump Size: 200 mm (10%)
 Capacity: 625 m³/h



Loading with Wheel Loaders

Wheel Loaders

- Recommended maximum bucket: 4.0 m wide
- Recommended max volume: 8 m³



Loading with ADT's

Articulated Dump Trucks

- Recommended 30 tonnes capacity



Loading with Road Tipping Trucks

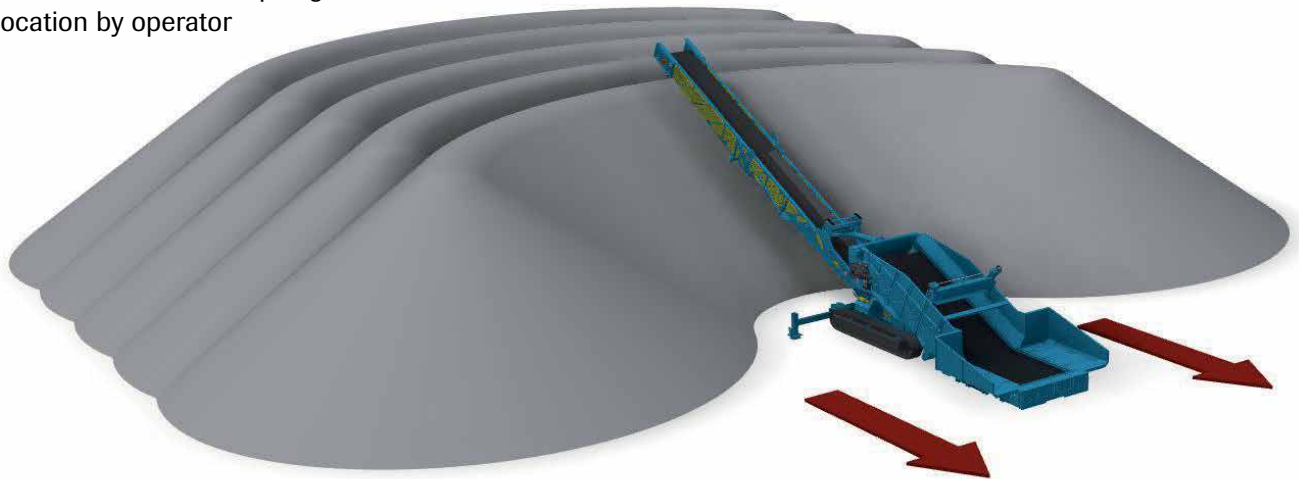
Road Tipping Trucks

- Recommended 25/30 tonne trailers
- Recommended 2.4/2.5 width



Plateau Stockpiling

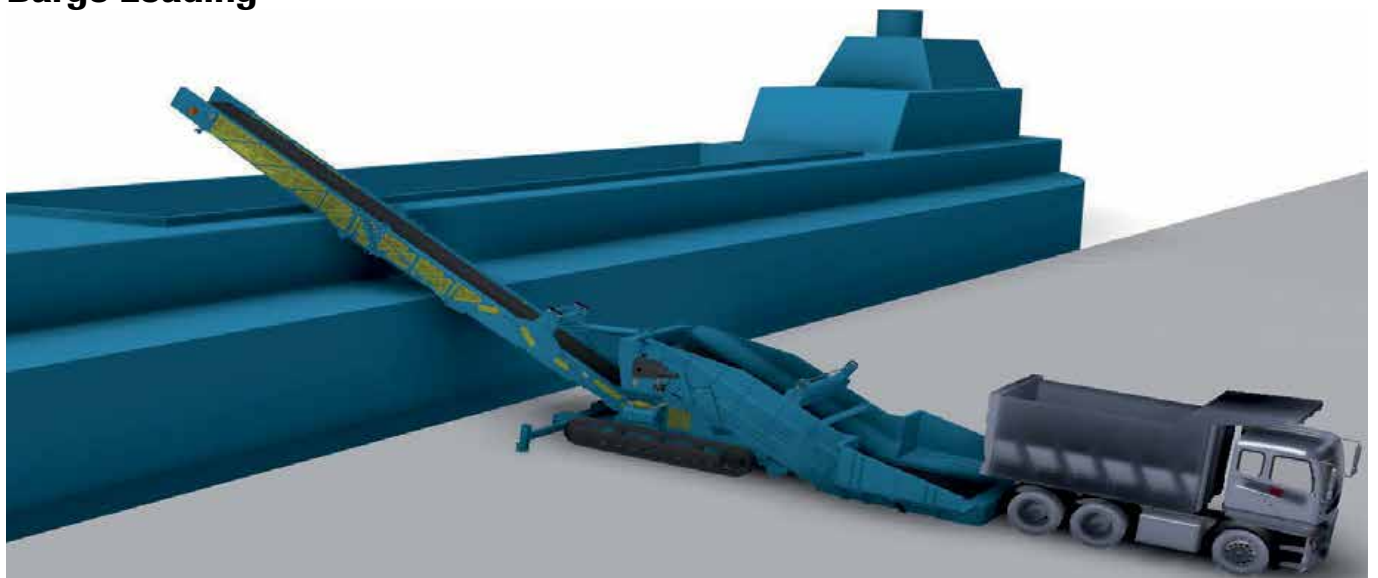
- Optional automatic stockpiling (Slew & Luff)
- Relocation by operator



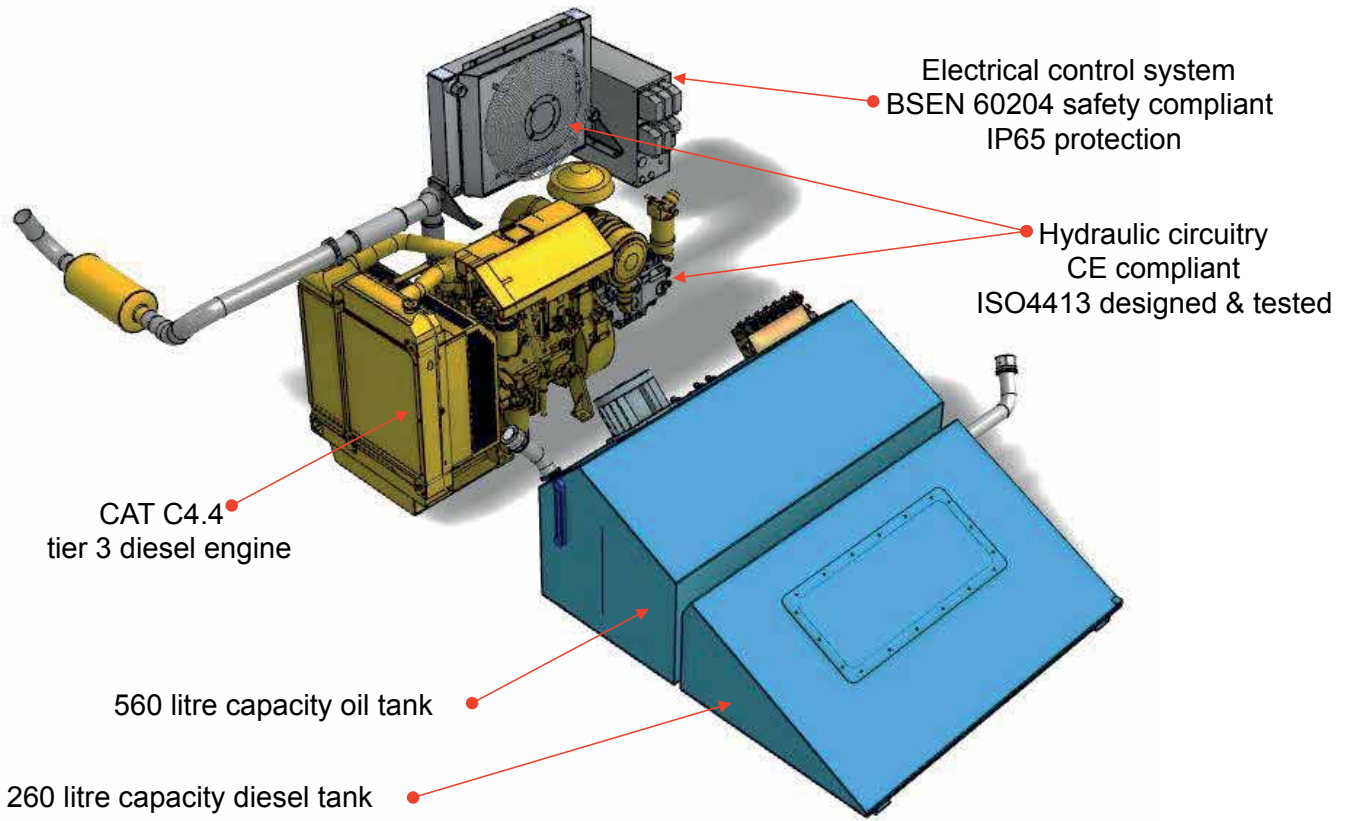
Rail Loading



Barge Loading



Powering the Machine



Ease of Maintenance

Maintenance points easily accessible

- Engine checks
- Hydraulic equipment checks
- Fluid levels
- Mechanical checks
- Lubrication points
- Safety checks

Maintenance frequency

- Weekly
- Monthly
- Three monthly



After Sales and Services

SAMSON Materials Handling Ltd. strive to deliver the highest standards of customer support and after sales service worldwide with the collaboration of the local AUMUND Group daughter companies and representative offices and including:

- Application advice
- Port or Plant Infrastructure Survey
- Performance and Selection Criteria
- Operational Guidance
- Machine Selection and Specification
- Supervision of Site Assembly
- Commissioning
- Advice on Maintenance Programmes
- Rebuilding and Refurbishment
- Genuine Spare Parts
- Service Contracts

Our engineers are highly trained and experienced in the SAMSON Materials Handling products and familiar with port operations and the demands of shipping schedules where equipment availability is critical to avoid demurrage costs.



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Dedicated to providing the most comprehensive range of mobile solutions for bulk materials handling in Ports and Terminals, Mining, Environmental, Cement, Foodstuffs, Agriculture and Power.

Built around the unique concept of the Samson® Material Feeder, SAMSON Materials Handling offer flexibility, reliability, quality, and industry leading performance from truck intake right through to mobile stacking and ship loading solution.

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