

GERMAN QUALITY  
AND ENGINEERING



 **RUD**<sup>®</sup>



**SOLUTIONS FOR  
WASTE AND RECYCLING**



# The RUD Difference

For over 140 years The RUD Group, founded in Germany, have offered unsurpassed quality and excellence in steel chain technology. In Australia, RUD has been a trusted partner in the delivery of waste and recycling solutions since 1984 providing reliability through strict quality assurance standards. German engineered reliability, delivered by local experts, inspiring complete confidence in waste management - The RUD Difference.

## Safety by Design

Our experience ensures that you receive a safer solution – perfectly aligned with your waste transport needs. Innovative low maintenance designs provide safer performance and controlled processes, resulting in effective removal and recycling of spillage.

By eliminating manual contact point, RUD systems help keep your insurance premiums lower all while increasing efficiency. Safe practices – more output – RUD waste and recycling solutions.

## Staying Compliant

Make sure that your business remains compliant now and into the future. We will configure a conveyor solution to ensure you are aligned with local legislation and the Environmental Protection Act 1970.

Our systems are ISO 9001, ISO 14001 and AS 45001 certified to ensure robust quality control, helping you to limit hazardous manual handling and contamination risks. From liquid waste storage to water contamination issues – we have a solution to match your application.

## Investing in Innovation

Maximise your return on investment with RUD's world-leading systems. Our proven steel chain conveyor systems provide an extended life and reduced service costs.

Continuous innovation and uncompromising quality control through in-house engineering and rigorous testing. Move more waste faster, in any direction, for longer – that's the RUD difference.

**Grima Recycling have been working with the team at RUD in realising our plant expansion project. The modular RUD chain conveyor has proved to be reliable and effective for the transfer of our recycled products from the loader hopper and up the inclined slope as part of our new process line. The regular contact and support provided by RUD compliments the RUD system quality in providing our business with a reliable conveyor solution.**



- Jim Grima, Grima Recycling

# Spillage Drag Conveyors

APPLICATIONS



CEMENT



ENERGY



MINERAL



SAND



WASTE  
HANDLING



ASH

SPECIFICATIONS

## Size

RUD Hardened  
chain sizes (mm)

10 x 38 19 x 75

14 x 50 22 x 86

## Capacity

0 to 5 tonne per hour

## Height

From 230mm

## Less Maintenance, More Uptime

RUD spillage chain conveyor systems provide a robust, compact and efficient solution for low profile, reduced access applications. Our heavy duty hardened-steel chain systems require less maintenance and enhance workplace safety. The system can be fully enclosed to allow dust-free and watertight transport of bulk material, efficiently.

### Recovers valuable product

- Recycles waste material back into the discharge chute
- Avoids material build up against belts or feeders causing surface wear
- Eliminates stockpiles and build-up of waste
- Better plant cleanliness and automated removal
- Segregates spillage

### Built to Keep on Turning

- Long lasting hardened steel chains
- Highly wear resistant components
- Minimal adjustment required
- Zero lubrication necessary

### More Efficient

- Highly efficient conveying system
- Reduced downtime through simple maintenance
- Compatible with full submersion environments
- Accurate alignment with close tolerances
- Perfect for areas with access issues

### Safety First

- Reduced accidents as access under moving conveyors is no longer necessary
- No need to cleaning under conveyors
- Enhanced compliance with legislative requirements

### Simple Maintenance

- Fast replacement bolt-on wheel tooth segments
- Easy access drive components
- Clearly visible wear indicators

### Easily Adapt to Any Application

- Easy to relocate modular design
- Full variable conveyor length
- Low profile height for under belt or apron systems
- Plug-in scrapers available in various pan widths
- Custom scraper designs for different material



RUD spillage conveyor is at same angle and width and discharges into the chute.



Drag chain systems remove dust, and collect the product for further processing or storage.

# Apron Conveyors

APPLICATIONS



MINERAL



WASTE  
HANDLING



STEEL



RECYCLED  
PAPER



ASH

SPECIFICATIONS

## Size

RUD Hardened  
chain sizes (mm)

19 x 75 22 x 86  
26 x 100 30 x 120

## Capacity

0-300 tonne per hour

## Height

Typically 500-780mm

## Compact Design, Large Loads, Longer Life

RUD Apron Feeder Conveyors provide a compact solution for all horizontal and bunker loading applications. Even at lower heights, with minimal clearance our high strength, conveyors with heat treated chains are built to keep on turning. Our simple, robust design is German engineered for minimal maintenance and maximum efficiency.

### More Efficient

- Unique fast-install plug style aprons
- Space saving reduced height design
- Compatible with low clearance environments
- Reduced downtime through our simple design
- Lower thermal energy loss
- Completely waterless operation

### Built to Keep on Turning

- Long lasting heat-treated components
- Wear resistant long-life design
- German engineering
- Easily handle high loads and strong impacts
- Highly calibrated components and plates ensure accurate efficient movement

### Easily Adapt to Any Application

- Compatible with our reduced friction edge-roller system
- Suitable for horizontal and bunker loading applications
- Custom inclined angles available to support any environment
- Perfect for very abrasive or high temperature material.

### Simple Maintenance

- Fast-swap modular components for reduced downtime
- Easy mounting and dismounting for quick service times
- Reduced maintenance cost as no chain lubrication necessary



RUD apron feeder provides storage, metering and elevation of the product.



A RUD tumble back apron feeder processing flock ASR material.

# Chain Driven Belt Feeder

APPLICATIONS



SPECIFICATIONS

**Size**  
RUD Hardened chain sizes (mm)  
19 x 75  
22 x 86

**Capacity**  
1-2.4 Tonne per hour

**Height**  
2300 mm

## Greener Processing, Any Application, Safety First

RUD Chain Driven Belt Feeder Conveyors offer a more efficient solution for processing all types of waste. Our robust combined belt and chain drive system has been engineered for maximum throughput, less downtime and longer life. Reduce your environmental impact by processing solid or liquid waste faster with complete safety, control and confidence. Our Belt Feeders can handle even the most hazardous waste applications with German engineered precision.

### More Efficient

- Space saving reduced height design
- Compatible with low clearance environments
- Reduced downtime through our simple design
- Lower thermal energy loss
- Completely waterless operation
- Allows loading from truck or mobile plant
- Stores the product then elevates to the discharge position in one process
- Unique fast-install plug in style bars and rotating belt
- Positive drive of the belt with a sprocket
- Suitable for wet and slurry environments

### Simple Maintenance

- Fast-swap modular component for reduced downtime
- Easy mounting and dismounting for quick service times
- Reduced maintenance cost as no chain lubrication necessary

### Easily Adapt to Any Application

- Compatible with our reduced friction edge-roller system
- Custom inclined angles available to support any environment
- Suitable for horizontal and inclined operations
- Perfect for very abrasive or high temperature material

### Built to Keep on Turning

- Long lasting heat-treated components
- Wear resistant long-life design
- German engineering
- Easily handle high loads and strong impacts
- Highly calibrated components and plates ensure accurate, efficient movement



RUD unloading ramp system for truck unloading into the conveyor.



RUD unloading ramp system for truck unloading into the conveyor.

# Bucket Elevator Conveyors

APPLICATIONS



CEMENT



ENERGY



FERTILISER



RECYCLED MATERIAL



WASTE HANDLING



ASH

SPECIFICATIONS

**Size (Bucket Width)**  
250 to 1250 mm

**Capacity**  
0-1200 tonne per hour

**Height**  
Maximum 70m

## Maximum Capacity, Tough Applications, Proven Design

RUD bucket elevator systems offer a range of proven, high capacity and flexible solutions for vertical handling applications. Our hardened-steel chain systems safely support large capacity conveying, providing maximum throughput. Even challenging material such as high temperature or abrasive goods are compatible. Regardless of the vertical application, RUD bucket elevator systems are up to the challenge.

### More Efficient

- Process more at any height with our ultra-high capacity hardened-chain elevator systems
- Compatible with high temperature environments
- Reduced downtime through simple maintenance
- Matched components for optimal performance.

### Easily Adapt to Any Application

- Chain and Belt Elevators available.
- Available with friction or toothed wheels
- Centrifugal, gravity, positive or central discharge
- Perfect for lumpy or granular material
- Capacity for long individual product lengths
- Modular dust-free casings available

### Simple Maintenance

- Fast replacement bolt-on teeth and wheel segments
- Easy access casings
- Duct extraction capable

### Built to Keep on Turning

- German engineering
- Long Lasting hardened-steel chains
- Highly wear resistant components
- Long-life robust design



RUD chain Bucket Elevator system 2WIN provides easy installation of buckets.



RUD belt bucket elevators for powder and fine material.

# Floatation Tank Conveyors

## APPLICATIONS



WASTE HANDLING



COAL



SOIL



RECYCLED PAPER

## SPECIFICATIONS

### Size

RUD Hardened chain sizes (mm)  
19 x 75

### Capacity

0-5 Tonne per hour sediment removal and surface flotation

0-5 Tonne per hour for low density product

### Height

Typically 1200mm

## Robust build, Compact Design for submerged environments

RUD hardened-steel chain round link conveyor systems provide a robust, compact and efficient solution for low profile applications and work in submerged environments. A leader in submerged ash management, we have extended these features into fines removal systems and for the surface removal of low density wood, plastic or other products which accumulate on the surface of the float tank.

Offering the optimum in efficiency and workplace safety, the system provides a watertight casing conveyed along the surface of the tank for the efficient separation of bulk material from the slurry or water solution.

### More Efficient

- Highly efficient conveying system
- Easily accessible for scheduled maintenance
- Optimum wear resistance in submerged environments
- Accurate alignment with close tolerances
- Requires minimum maintenance.

### Simple Maintenance

- Fast replacement bolt-on wheel tooth segments
- Easy access drive components
- Clearly visible wear indicators

### Safety First

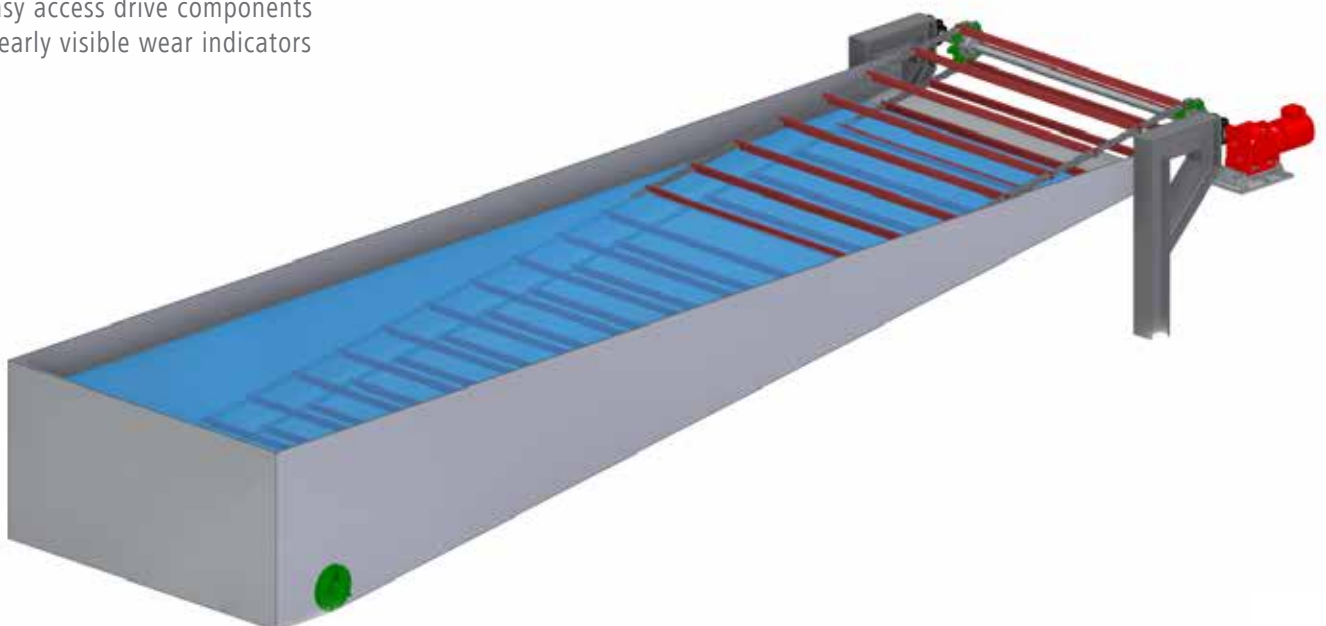
- Reduced accidents as access under moving conveyors is no longer necessary
- Enhanced compliance with legislative requirements

### Built to Keep on Turning

- Quality German Components
- Long lasting hardened steel chains
- Highly wear resistant components
- Minimal adjustment required
- Zero lubrication necessary

### Easily Adapt to Any Application

- Easy to relocate modular design
- Full variable conveyor length
- Low profile height for under belt or apron systems
- Plug-in scrapers available in various widths
- Custom scraper designs for different material



RUD innovative floatation tank for removal of fines or low density material.

# Fleet Maintenance Systems

APPLICATIONS



SPECIFICATIONS

## Lifting Capacity

- Per hoist  
7.5 Tonne
- Per set of 4  
30 Tonne
- Per set of 6  
45 Tonne
- Per set of 8  
60 Tonne

## Rugged Design, Huge Loads, Lift Anything

Endurequip Hoists offer a durable, and highly portable solution for lifting all types of heavy vehicles. Our hoist systems can be configured to safely lift vehicles up to 60 tonnes with ease. Endurequip provides the perfect solution for easy access to all heavy vehicles from military field deployment to rail maintenance.



### More Efficient

- Easily relocatable design
- Simple one-man operation
- Easy asset tracking with integrated RFID tag

### Built to Keep on Lifting

- Long-life dustproof and water-resistant casing
- Simple electric design for increased reliability
- Leading life expectancy of 25 years

### Simple Maintenance

- No complicated electronics to reduce maintenance costs
- Proven simple construction for faster servicing
- Wear resistant components to extend life

### Easily Adapt for any Workshop Environment

- Use-anywhere portable design
- Compatible with vehicle wash bay use
- Use in any weather with harsh climate support



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