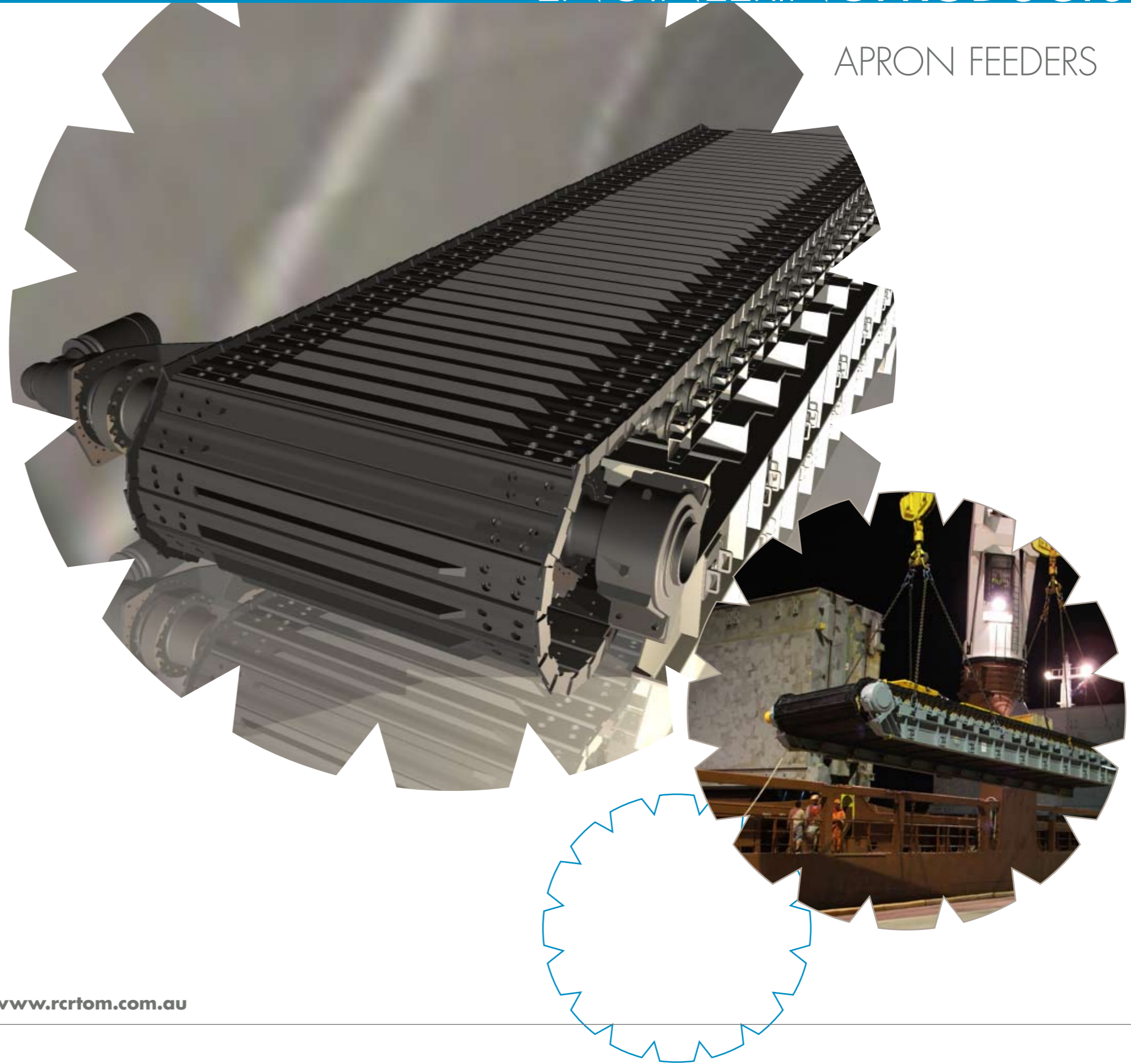


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APRON FEEDERS





APRON FEEDERS

RCR is a leader in the design and manufacture of Apron Feeders for the mining and process industries. Designed and manufactured totally in-house with its 'Integrated Engineering Solutions' philosophy, RCR Apron Feeders are recognised throughout the industry for their robust design and low maintenance requirements.

RCR equipment is respected around the world for durability and reliability. RCR Apron Feeders continue to operate, many years after the maximum design life is completed in applications such as Iron Ore, Gold and Titanium production and Diamond recovery, in Australia, South America, Europe, North America, Asia and Africa.

DESIGN

RCR Apron Feeders are custom designed for each application and the design team encourages the client to be involved in the selection and design processes. This collaborative effort ensures that the product meets the demands of the application and the needs of the client.

Industry proven...

- Interactive Computer Design Model
- Employing both TUNRA and RCR Design models
- Heavy Duty Mechanical design to Australian and International Standards
- Comprehensive Design Support and interaction with the client
- Fully Developed Bin, Hopper and Stockpile interface

...for the BEST result

INPUTS with consideration of all influencing variables including...

- Ore Characteristics
- Bin and Hopper design considerations
- Customer Specification
- Finite Element Analysis of components.

- 3D Design models
- AS 9001 2000 Accredited Design control process
- ...providing the perfect OUTPUT

FEATURES & BENEFITS

RCR Apron Feeder Chassis with ...

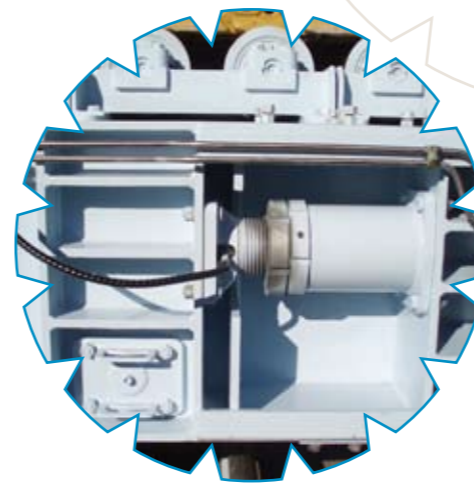
- Standard BHP Sections stiffened to withstand the rigours of operation
- Incorporating Innovative Maintenance Features
- Optional Integral Spillage conveyor
- Integrated Guarding System
- High quality epoxy paint finish
- Integral lifting positions

...form the spine

SPROCKETS, HUBS & SHAFTS

The drive train is manufactured with...

- Hardened long life sprockets, segmented, reversible and interchangeable
- Low profile hunting tooth design
- High quality SKF, FAG or NSK bearings
- World leading hydraulic variable speed drive systems using Hagglunds variable displacement motors.



- Modern electromechanical Variable Speed Drives including Brevini, SEW, ABB, Bonfiglioli
- ...providing reliability and service

RETURN ROLLER REMOVAL

Making life easy...

- Compact, RCR design using standard carrier rollers
- Replaceable hardened wear collars
- Fast change out time
- Maintenance free, sealed for life bearings

...and operation continuous

CARRY FRAME ARRANGEMENT

With low maintenance in mind...

- Removable carry frames
- High reliability track rollers complete with sealed-for-life bearings
- Sealed and lubricated (SALT) Caterpillar track chain for long life and quiet operation
- Master link or endless chain offered

...and minimal handling requirements



INBOARD JACKING ARRANGEMENT

Safe, accurate jacking ...

- Zinc plated take up housing
- Maintenance free Hydraulic over Mechanical jacks
- Space saving inboard jacking design

... to allow correct tensioning

LUBRICATION SYSTEMS

Permanent lubrication ...

- Stainless steel piped lube system
- Automatic or centralised manual depending on the client specification
- Custom designed for client's requirements

... long life

RCR PANS

Built to carry the load ...

- Close tolerance, long life, minimised spillage
- Work Hardening Manganese Steel and Cast Steel
- Heavy Duty
- Excellent Sealing Design

...day in and day out

SERVICE & SUPPORT

As part of our commitment to our product RCR provides;

- Full product support from our work bases throughout Australia
- International support through our suppliers
- Provide installation by way of our Construction and Maintenance division
- Detailed Installation, Operations and Maintenance Manuals
- Comprehensive spare parts support.
- Standardised component's, allow for optimum spares holdings and replacement efficiency.

FURTHER INFORMATION

For further information on RCR's Apron Feeders, please contact RCR Engineering's Bunbury Office or alternatively visit our website for other locations.

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