



## ENGINEERING DESIGN - MATERIALS HANDLING

RCR Engineering provides customised, in-house professional design service to the mining, process and manufacturing industries. Having built a proud history and respected reputation for delivering quality products and services to both the national and international markets.

RCR's innovative environment offers our clients the opportunity for improvements in the efficiency, durability and value of industrial equipment and installations.

RCR has extensive experience in the design and project management of materials handling, crushing and screening plants and associated equipment. Our in-house designed and built equipment can be found at most major minesites across Australia and around the world.

Our approach – known as 'Integrated Engineering Solutions' – has been developed by engineers with extensive practical experience in both design and operation. This discipline assures practical and affordable solutions, with low maintenance requirements.

With a long history of solving complex materials handling issues in the demanding Australian mining industry, RCR offers our international client base an opportunity to capitalise from this experience. RCR Engineering's Design and Drafting Group is a key factor behind the Company's reputation for excellence, with expertise extending to most areas of mechanical engineering within the mining, process, timber and chemical industries.

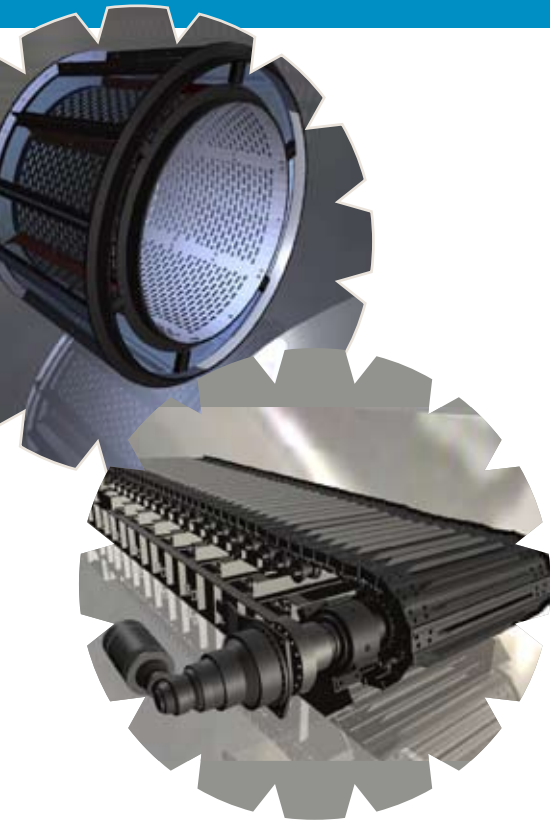
### PROPRIETARY PRODUCTS

RCR equipment is respected around the world for durability and reliability. RCR Apron Feeders and Drum Scrubbers are still in use well after design life (20 years) for applications in the Iron Ore, Gold, Zinc, Coal, Bauxite, Copper, Uranium, Diamond and Aggregate recovery, in Australia, South America, North America, Asia, the Pacific region and Africa.

RCR's range of in-house designed equipment includes;

- Mobile Plants (Screening, Crushing & Washing)
- Apron Feeders
- Scrubbers
- Screening Tommels & Grizzlies
- Specialised Mechanical Handling Equipment
- Belt Feeders
- Conveying Systems
- Stacking Conveyors
- Belt Reelers
- Marine Gangways

All RCR products are supported by our Australia-wide network, with offices in Western Australia, Queensland, New South Wales, Victoria, South Australia and New Zealand.



## TURN KEY PROJECTS

RCR's Design Division has the expertise to undertake turnkey projects up to the value of \$100 million, with outstanding commercial and technical outcomes. The multi-disciplinary approach, has given RCR the ability to design, construct, commission and maintain projects, utilising in-house capabilities in Machining, Fabrication, Heat Treatment, Site Maintenance and Construction.

Mechanical design is completed in-house, with civil and electrical design undertaken by approved sub-contractors.

## STATE OF THE ART TECHNOLOGY

With access to the latest in technology and utilising industry leading design tools such as AutoCAD, Microstation and Inventor 3D, combined with highly trained and skilled staff, we offer detailed integrated solutions to a variety of mechanical engineering problems.

We also provide detailed technical assistance in the selection of specialised RCR products, such as Apron Feeders, Conveying Systems, Scrubbers, Trommels, as well as the development of mechanical handling equipment. RCR has a comprehensive bulk solids design computer model to enable efficient bin and hopper design.

RCR has a highly developed Finite Element Design (FEA) capability utilising Strand 7 software.

Operating under the ISO 9001 quality standard, RCR's design team is able to integrate the combined knowledge of our vast manufacturing resource into practical, efficient designs for purpose-built plants and equipment.

## FURTHER INFORMATION

For further information on RCR's engineering design capabilities, please contact one of our RCR Engineering Offices listed below or alternatively visit our website.

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