

RKM

ROKONMA (M) SDN BHD

MANUFACTURER OF CONVEYOR IDLER ROLLERS & ACCESSORIES



COMPANY OVERVIEW

- **Founded in Malaysia in 1987**, we are a manufacturer of belt conveyor accessories, including conveyor rollers, brackets, and the related components.
- Size of Rokonma Malaysia is 74,227.93 sq. ft and with 50 staff.
- Supplying to both local and international markets such as **China, Hong Kong, Taiwan, Southeast Asia, Middle East, Africa, Australia, Europe, and other international markets.**
- Our production capacity exceeds **500,000 rollers and 3,000 tons of brackets annually.** Approximately **2,500 rollers per day** supporting large-scale projects and consistent supply demands.
- We are capable of manufacturing **rollers and drive & driven pulleys** in a wide range of sizes, up to **1,000 mm in diameter and 3,000 mm in length.**
- Our products are widely used in bulk material handling systems across a broad range of industries, including **power plants, ports, mining, quarries, steel, cement, food industry, airport and automation handling.**

ISO 9001: 2015 – CERTIFICATION



Certificate of Registration

ROKONMA (M) SDN BHD

2-S, JALAN BUKIT BADAQ, SUBANG NEW VILLAGE,
40150 SHAH ALAM, SELANGOR DARUL EHSAN, MALAYSIA

has been assessed and Certified by Otabu Certification Pvt. Ltd.
as meeting the requirements of:

ISO 9001:2015 Quality Management System

For the following scope of activities:

**PROVISION OF MANUFACTURING OF CONVEYOR ROLLERS AND
STEEL FRAMES**

Date of Initial Registration: 25 March 2025
Date of this Certificate: 25 March 2025
Certificate Expiry: 24 March 2026

1st Surveillance Due: 24 March 2026
2nd Surveillance Due: 24 March 2027
Issue & Revision No: 01 & NA

(Validity of the certificate is conditionally limited by positive results of surveillance audits and fulfil the conditions set out in the certification agreement which the certified company is committed to undergo)

IAF Code: 17

Certificate No:- 0325Q274225

To Verify this Certificate please visit at www.otabucert.com




Dr. Anita Gupta
(Managing Director)

OTABU CERTIFICATION PRIVATE LIMITED

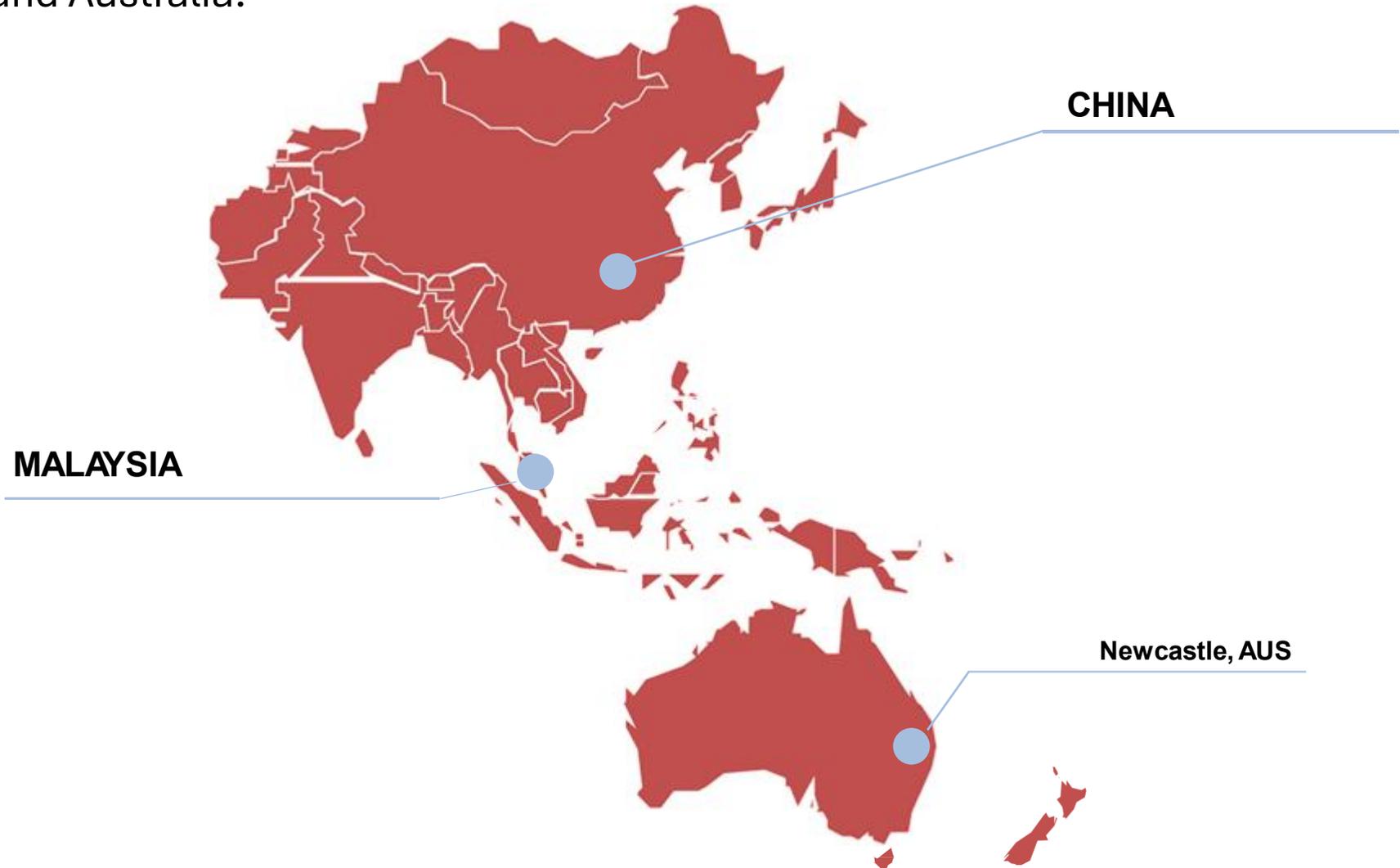
(Accredited by Standards Council of Canada)

FOL : 66 Elms Drive, Oxford, United Kingdom, OX3 0NL

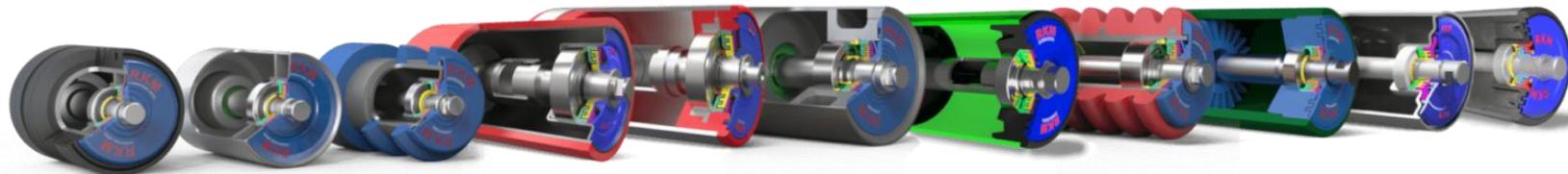
This Certificate is recognized by Otabu Certification Pvt. Ltd. an Accreditation Body of SCC (Standards Council of Canada) for Management System certification.
The Certificate of registration remains the property of Otabu Certification Pvt. Ltd. and shall be returned immediately upon request.
Email:- info@otabucert.com website:-www.otabucert.com

LOCATIONS

We do have manufacturing, sales and support facilities in Malaysia, China, Hong Kong and Australia.



How we established RKM Australia



<https://www.youtube.com/watch?v=kjcpDpt0zvl>

<https://rkmrollers.com.au/>

AFFILIATE EPC CONTRACTOR



- MINCORE is our affiliate EPC contractor.
- MINCORE specialise in projects and services to the Minerals Processing and Building Material Industries.
- MINCORE executed projects across Australia, South East Asia, Indonesia, Laos, Malaysia and West Africa.
- RKM works with MINCORE in Australia market. Successfully established Australia market over the period of 15 years.

<https://mincore.com.au/>

COMPANY MILESTONES

- 1987 - Established **Rokonma (M) Sdn. Bhd.**
- 1999 - Engaged **SIRIM** to establish test laboratory and quality control.
- 1999 - Completed delivery of 1200BW & 1350BW idlers for **TNB Kapar Power Plant.**
- 2000 - **Rokonma (M) Sdn.Bhd** obtained product certification from SIRIM QAS International Sdn Bhd on conveyor rollers.
- 2008 – Established **Rokonma (Dongguan) Co. Ltd** in Dongguan, China.
- 2011 – Completed delivery of 1800BW idlers for **FMG Port T155 Port Hedland.**
- 2013 – Completed full delivery of 12,000 rollers and frames 1400BW & 1800BW to **TNB Manjung 4 1000MW Power Plant.**
- 2013 – Moved to a new plant in Qishi town, **Dongguan.**
- 2014 – **Rokonma (M) Sdn.Bhd** won the **SIRIM Quality Award** for product quality.

Power Generation

- Major power generation companies in Malaysia:
TNB Kapar, TNB Manjung
- Major power generation companies in China:
Guangdong Power, Huadian, Guohua, Huaneng power plants.

Mining and other industries

- Siam Cement Group (Thailand), Lafarge Cement
- BHP Billiton, Rio Tinto, Lihir Gold Mine, FMG Iron Ore Mine, Roy Hill Iron Ore Mine (Australia)
- Leading industrial groups: China Coal Group, Zhen Neng Group, China Resources Cement, TCC, Yadong Cement
- Strategic ports: Fangcheng Port, Zhanjiang Port, Guangzhou Port

RKM Products on Site

| Sl. No. | Customer | End User | Plant | Supply Scope | Idler Diameter | Belt Width | Year of supply |
|---------|------------------------------------|-------------------------|-----------------------|-------------------------------|----------------|---------------|----------------|
| 1 | Convatech | FMG Port Hedland | Iron ore mines | Idlers including Idler Frames | 139 mm | 1800 mm | 2013 |
| 2 | TecGates Engineering (M) Sdn. Bhd. | TNB Janamanjung | Coal Power Plant | Idlers including Idler Frames | 165 mm | 1400, 1800 mm | 2013 |
| 3 | Asia Cement | Asia Cement | Cement plant | Idlers Low Noise | 127 , 133 mm | 1400mm | 2016 |
| 4 | Italian Thai | EGAT Power | Coal Power Plant | Heavy duty Suspended Rollers | 194mm | 1800, 2200 mm | 2017 |
| 5 | Dalian Huarui Heavy Industries | Hassyan Power Complex | Coal Power Plant | Idlers including Idler Frames | 127, 152mm | 1400, 1800 mm | 2019 |
| 6 | Royhill | Royhill | Iron ore mines | Idlers including Idler Frames | 152, 194 mm | 1800, 2200 mm | 2020 |
| 7 | Andritz | Andritz | Pulp and Paper | Idlers including Idler Frames | 194 mm | 2200 mm | 2022 |
| 8 | Dalian Huarui Heavy Industries | Hassyan Power Complex | Coal Power Plant | Idlers including Idler Frames | 127, 152mm | 1400, 1800 mm | 2022 |

RKM Products on Site

| Company | Site | Company | Site |
|-------------------------|------------------------------|--------------------------|---------------------------|
| Macquarie Generation | Bayswater Powerstation | Tomago Aluminium Pty Ltd | Tomago |
| Macquarie Generation | Liddell Powerstation | Hydro Aluminium | Kurri Kurri |
| Delta Electricity | Mt Piper Powerstation | Austar Coal | Austar Mine |
| Delta Electricity | Wallerawang Powerstation | BHP Billiton | Mt Arthur Operations |
| Eraring Energy | Eraring PowerStation | Rio Tinto Port | Cape Lambert |
| Xstrata Coal | Macquarie Coal Plant | Rio Tinto Port | Dampier |
| | | Rio Tinto | Paraburdoo |
| Xstrata Coal | Baal Bonne Colliery | Anglo Coal | Dawson Mine |
| Xstrata Coal | Centenial Coal Mine | Anglo Coal | Lake Lindsay |
| Muswellbrook Coal | Muswellbrook Coal | Anglo Coal | Geman Creek |
| Liddell Coal Operations | Mine Liddell Colliery | Sedgman | Coppabella CHPP |
| Fourmile Mining Group | Rixs Creek Coal | Sedgman | Blair Athol CHPP |
| Incoships Pty Ltd | Mine Port Services | Sedgman | Red Mountain CHPP |
| Hitech Quarries | Aus-10 Quarry | Wesfarmers | Curragh |
| BHP Billiton | Cannington Mine | Qld Magnesita | Parkhurst |
| Xstrata | Ernest Henry | Qld Magnesita | KG1 Mine |
| Barrick Gold | Mine Osbourne | Xstrata | Thiess Collinsville |
| Lihir Gold | Mine Lihir Mine | Xstrata | Newlands Mine |
| BHP Billiton | Worsley Alumina | BMA Coal | Riverside Mine |
| Resolute Mining | Carpentaria Gold | BMA Coal | Norwich Park Mine |
| Copper Co | Mine Lady Annie | Jellinbah Resources | Jellinbah Mine |
| NQM Gold | Operations Pajingo | Coal & Allied | Howick, Newdell, |
| Ok Tedi Mine | Mine Site | Coal & Allied | MTW North(Warkworth) MTW |
| | Ok Tedi Mine | | South (Mt Thorley |
| Porgera Joint Venture | Porgera Mine | Peabody | Wambo CHPP |
| Sun Metals Corporation | Korea Zinc | Vale | Integra Coal (Camberwell |
| Kagara Zinc | Mt Garnett Mine | Worley Parsons /FMG | T155 Iron Ore Project |
| Kagara Zinc | Thalanga Process Plant | AMEC | Enhancement Project |
| Newmont Aisa Pacific | Boddington Gold | FMG Iron Ore | Port Hedland, Cloudbreak, |
| | Mine | | Christmas Creek |

RKM Products on Site

| Company | Country | Company | Country |
|--|----------|--|-------------|
| Air Cargo Terminal | Malaysia | Borg Manufacturing | Australia |
| Asian Bintulu Fertilizer | Malaysia | KL Airport Services Sdn Bhd | Malaysia |
| Bakun Dam Plant | Malaysia | Panasonic | Malaysia |
| Box-Pack | Malaysia | Plywood in Sabah | Malaysia |
| Hirovani Johor | Malaysia | Rapiscan | Malaysia |
| Port | Malaysia | Rimbunan Hijau in Sawarak (Plywood) PT | Malaysia |
| Kenneson Brothers Lafarge | Malaysia | Arutmin | Indonesia |
| Malaysia Cement Malaysia | Malaysia | PT Bukit Asam | Indonesia |
| Cement Perwaja Steel Mill | Malaysia | PT Cement Baturaja PT | Indonesia |
| Quarry Plant Pioneer | Malaysia | Cement Bosowa PT | Indonesia |
| Seremban Cement Plant 1200 BW TNB | Malaysia | Cement Padang | Indonesia |
| Kapar Power Station | Malaysia | PT Indah Kiat Pulp & Paper PT | Indonesia |
| Manjung 4 Power Plant, TNB Janamanjung Dam | Malaysia | Indominco | Indonesia |
| Plant 1200 & 1500 BW | Malaysia | PT Krakatau Steel | Indonesia |
| EGAT Project 1000, 1200, 1400 BW | Thailand | Garimun Granite | Indonesia |
| | Thailand | Bosowa Cement 1200, 1400 BW | Indonesia |
| Mitr Phol Project 1200 & 1600 BW | Thailand | CLP Power Hong Kong 1600 BW | Hong Kong |
| Siam Cement Kang Koi | Thailand | Sarawak Wood Chip | Singapore |
| Siam City Cement | Thailand | Naga Power Plant | Philippines |
| | | Pheapimex Group- Crushing Plant | Cambodia |

Customers - Unit Handling



DAIFUKU

Rapiscan[®]
systems
An OSI Systems Company

BORG

AUTOVEYOR[®]

AUTOMATE



**ICS
AUTOTECH**



Cheng Hua
Engineering Works Sdn. Bhd.
(30508-W)



AUTOFILL MANUFACTURING SDN BHD
503130-X



Packaging Sales & Services (M) Sdn Bhd

Customers - Bulk Handling



RKM Products

Carry Trough Idler



- Option of 20-45 degrees angle for the side rollers.
- Can be used with steel rollers, impact rollers and low noise.
- Three or five roll design available.
- Offset or inline centre roller. Offset used to assist belt tracking for light and medium duty.
- Equal angle or pipe transom available.

Flat Carry Idler



- Transom or bracket designs available.
- Used in skirt area of bin and feeder loading area.

Vee Return Idler



- 2 roll vee or flat return idlers available.
- Straight transom or bended transom available

Flat Return Idler



- Can be used with steel, rubber disc or spiral rollers

RKM Products

Carry Trough Training Idler



- Single direction carry trough training idler with guide rollers.
- Use to train conveyor belt back to its central position.
- Upper frame able to rotate in both direction on a limited 5 degrees.

Return Training Idler



- Single direction return training idler with guide rollers.
- Use to train conveyor belt back to its central position.
- Upper frame able to rotate in both direction on a limited 5 degrees.

Bi-directional Carry Trough Training Idler



- Suitable for conveyor line that runs in both directions.
- When the belt tracks of its centre and hits the friction roller, it serves as a brake and guides the upper frame to rotate.
- Upper frame able to rotate in both direction on a limited 5 degrees.

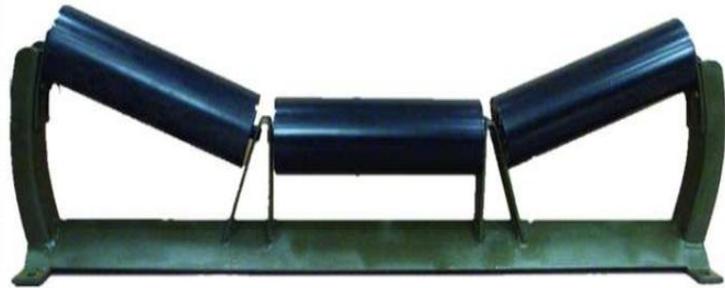
Bi-directional Return Training Idler



- Suitable for conveyor line that runs in both directions.
- When the belt tracks of its centre and hits the friction roller, it serves as a brake and guides the upper frame to rotate.
- Upper frame able to rotate in both direction on a limited 5 degrees.

RKM Products

Adjustable Transition Idlers



- Used on the carry side of the conveyor to support the belt as it goes from trough to flat position.
- Maximum adjustable angle of 15 degrees.

Mine Structures Idler



- Complete mine structures for underground mining.
- 3 roll suspended trough and 3 roll suspended return rollers.
- Surface finish with hot dip galvanizing.

Jackdown Idlers



- Heavy duty design.
- Frame can be lowered under the belt for easy replacement of rollers.

Retractable Conveyor Idlers Rollers Frames

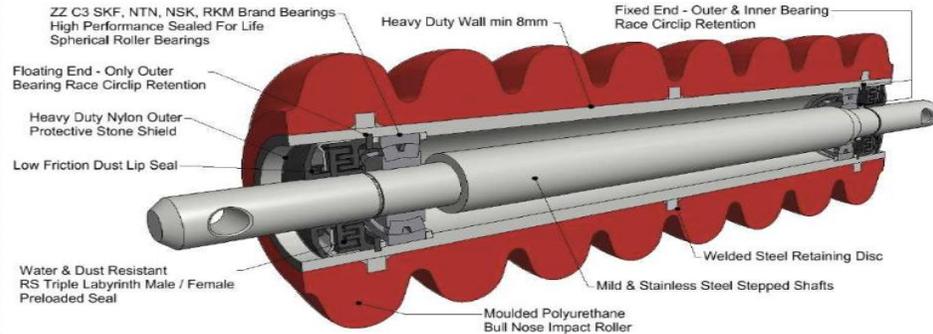
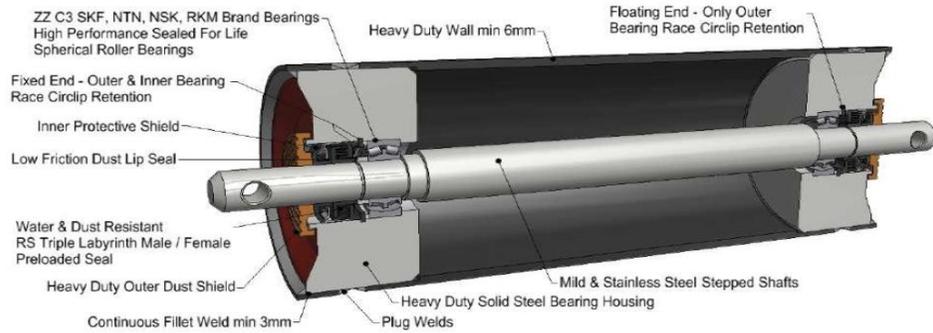


- Frames can be slide out for easy replacement of rollers.
- Having the ability to safely and quickly replace cut or damaged rollers enables you save money by protecting your expensive conveyor belt from premature replacement.



RKM Products

Heavy Duty Steel & Impact Rollers



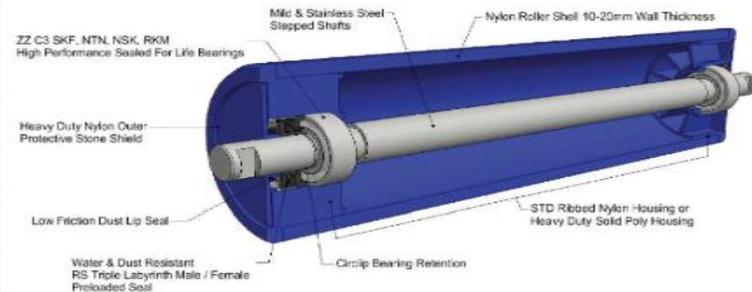
Rubber Disc & Spiral Rollers



- Rubber disc and spiral roller are used on the return side of the belt as belt cleaners.
- Spaced rubber disc on roller are made from high performance rubber. Material build-up on centre of belt will be broken up by the rubber rings.
- Spiral steel welded on the spiral roller acts as a screw and pushes the build-up material on the centre to the edge of the belt.



Heavy Duty Nylon Rollers



RKM Products – Unit Handling



Gravity Roller



Gravity Roller with PVC End Cap



Gravity Groove Roller with PVC End Cap



Gravity Groove Roller with Press Bearing



Friction Accumulation Mild Steel Sprocket Roller



Fixed Drive / Friction Accumulation PVC Sprocket



Taper Mild Steel Roller with PVC End Cap



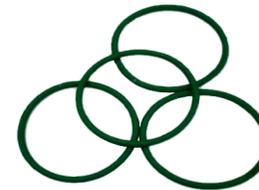
Taper Mild Steel Sprocket Roller



Taper PVC Sprocket Roller



Mild Steel / Nylon Skate Wheel



QUALITY CONTROL



We Test:

- Dynamic Balance
- Rim Drag
- Rotation Resistance
- Radial Runout
- Shaft Movement Dislocation
- Shaft Axial Loading
- Water Proof
- Dust Proof

QUALITY CONTROL



QUALITY CONTROL



Dust Penetration



Water Submersion

Normal Time to Rotate the submerged roller is 24 & 72 hrs

RPM = 600

Tested Roller: Ø133 x 465RL x 6205zz

| Duration of Rotation | Amount of Water Penetration | Acceptance Criteria |
|----------------------|-----------------------------|---------------------|
| 24 hrs | 2.0gms | 5.0gms |
| 72 hrs | 45.0gms | 150gms |

PRODUCT ON SITE – FMG PORT HEDLAND, AUSTRALIA

- Complete December 2011
- Project Consultant: Worley Parsons
- Approximately 50,000 sets of idlers
- Type of products supplied:
 - Carry, return and transition idlers
 - Rigid suspended idlers
 - Carry and Return training idlers
 - Low noise carry rollers.
 - Wind guard and stone guards



PRODUCT ON SITE – ASIA CEMENT, TAIWAN

- Completed July 2014.
- Low Noise roller instalment to reduce noise emission of conveyor.
- After switching to Rokonma low noise rollers the recorded values shows a reduction of 8-18 dBA.
- Conveyor detail:
 - 1000 belt width, 2000 ton per hour, 3.75 m/s belt speed



TNB Manjung 4 - 1000MW Power plant, Malaysia

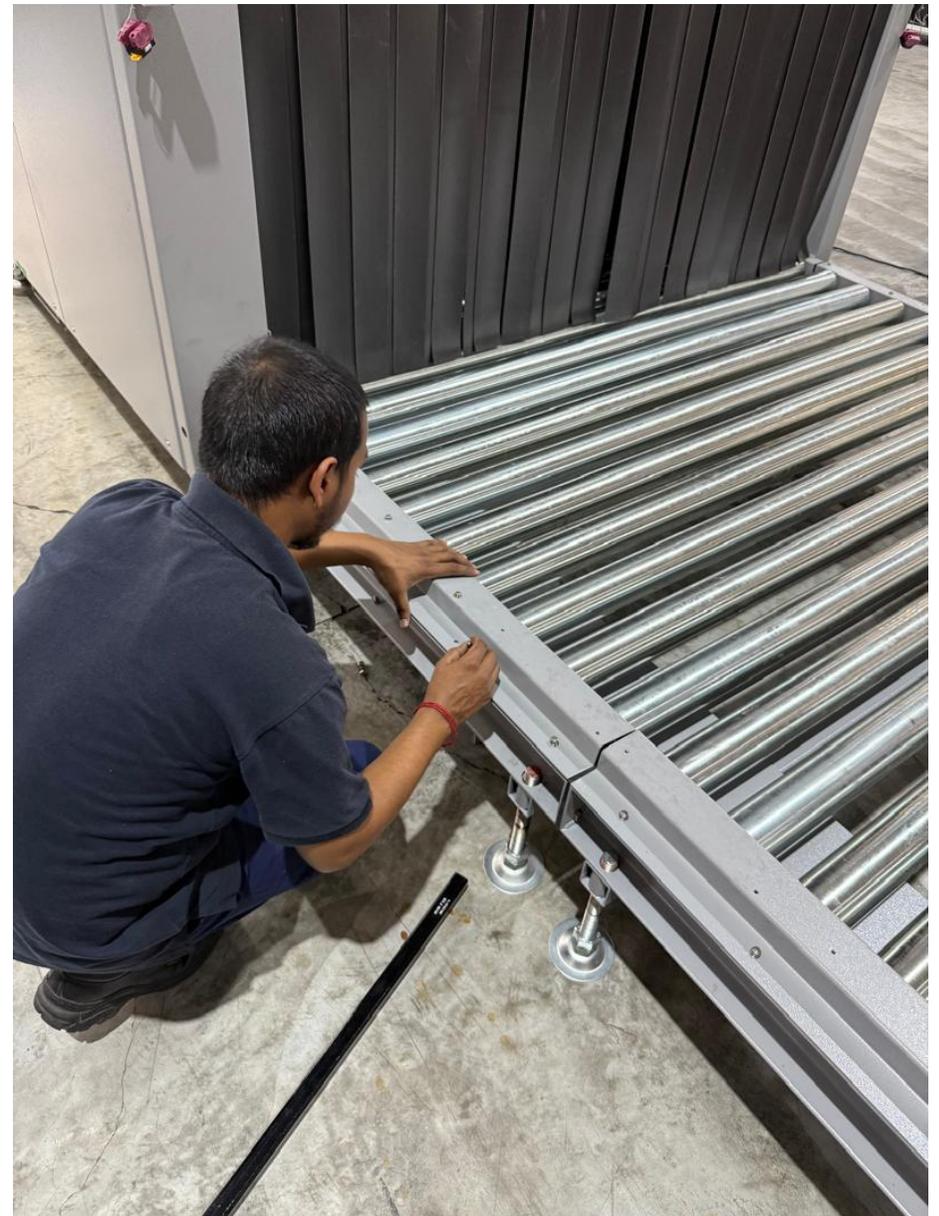
- Completed September 2013. Approximately 12,000 sets of idlers
- Project Consultant: Black & Veatch
- Conveyor details:
 - 1800 belt width, 3500 ton per hour, 4m/s belt speed
 - 1400 belt width, 1400 ton per hour, 2.5m/s belt speed
- Type of products supplied:
 - Carry and Vee return idlers
 - Carry and Return bi-directional training idlers
 - Weigh quality carry rollers
 - Impact rollers



RKM Products in Ports & Quarry Conveyor Rollers



RKM Products in Airport Conveyors System



RKM Customers



RKM

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THANK YOU