



PRODUCT SUPPLY CAPABILITY



**REXLINE
ENGINEERING**

Rexline Engineering specializes in comprehensive in-house design and re engineering of OEM products to provide cost-effective, durable solutions for the mining, pulp and paper, power plant, and fertilizer industries.



www.rexlineengineering.com

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BULK MATERIAL HANDLING SPECIALIST (AUSTRALIAN STANDARDS)



BULK MATERIAL HANDLING SPECIALIST (AUSTRALIAN STANDARDS)

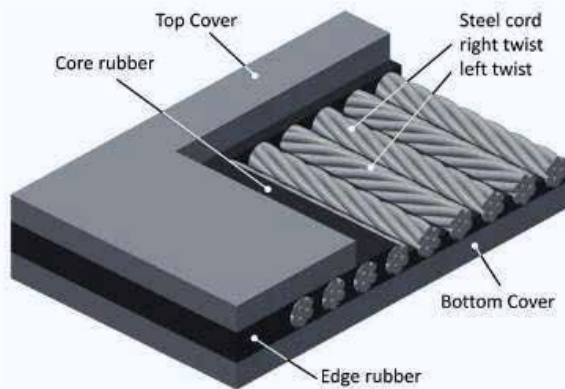


BULK MATERIAL HANDLING SPECIALIST (AUSTRALIAN STANDARDS)

REXLINE BELTING RANGE

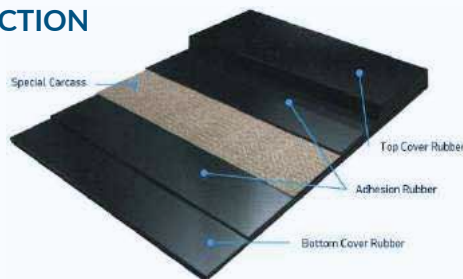
Steel Cord Conveyor Belt

SPECIFICATIONS



Multy-Ply Fabric Conveyor Belt

CONSTRUCTION



The design of a multi-ply fabric conveyor belt enables application in all areas of Material handling. It consists of the rubber cover, carcass, and core rubber.

Classification of performance:

General Belt, Oil Resistant, Heat Resistant, Chemical Resistant, Fire Resistant, Cold Resistant, Abrasion Resistant, High Temperature Resistant.

Chevron Conveyor Belt

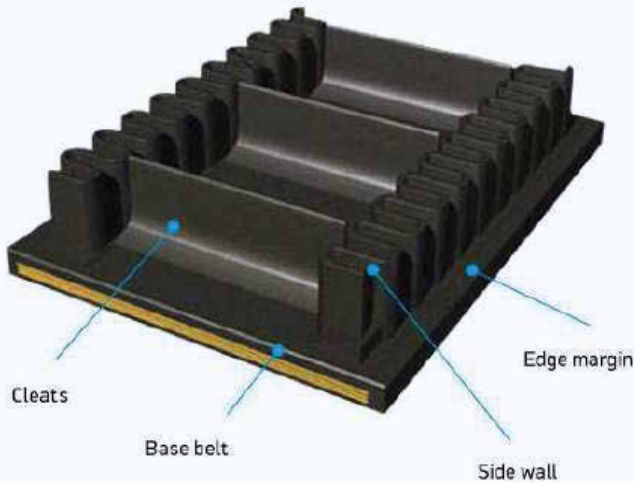


Chevron conveyor belt is composed of base belt and chevron. Our chevron profiles are vulcanized on the base belt, which ensures the belt's long service life and good flexibility. Chevron types and heights are different because of different conveyed materials and gradients of conveyors.

They are the best choice to meet your requirements when higher angles of inclination are required.

BULK MATERIAL HANDLING SPECIALIST (AUSTRALIAN STANDARDS)

Corrugated SideWall Belt



Heat Resistance Conveyor Belt

Fire Resistant Belt



REXLINE ENGINEERED SPECIAL PURPOSE BELT

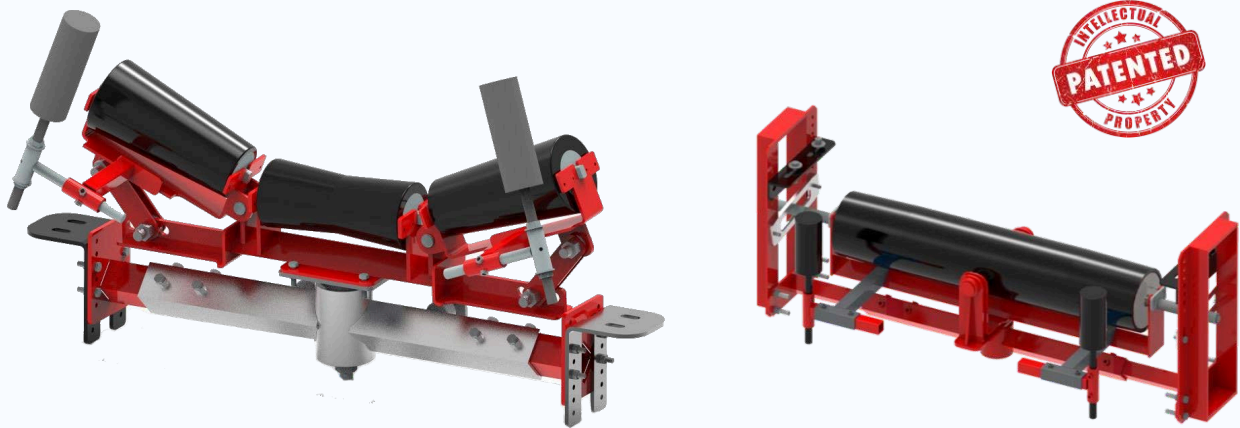
Rexline Engineering Indonesia has a wide range of options for heavy duty belting products and cover compounds to suit various applications.

Our belting solutions are designed to deliver outstanding performance to:

- > High abrasion resistant belt
- > Extreme temperatures continuous up to 500
- > Impact resistant belt
- > Tear resistant belt
- > Cut & gouge resistant belt
- > Oils & electric resistant belt
- > Chemical resistant belt
- > Severe weather condition

REXLINE ROLLER (CUSTOM DESIGN)

REXMULTITRACK DYNAMIC CONVEYOR BELT TRACKING SYSTEM



RexMultitrack is a patented conveyor belt tracking system with an unconventional approach to the tracking of conveyor belts. RexMultitrack features a 'Multi Plane' pivot mechanism that combines a vertical as well as horizontal tilting action that reacts quickly to even the slightest belt mis-tracking and track belt back to the centre thereby ensuring safety of the belt as well as the conveyor structure. The vertical tilt action resists the mis-tracking of belt whereas the horizontal tilt action guides the belt back to its true line. Rubberized tracking rollers with tapered ends fits snugly to the belt profile and provides superior traction force to train the belt effectively. Heavy duty bearings are incorporated in the pivot mechanism to ensure long service life. RexMultitrack belt trackers are available in standard sizes from 650mm to 2400mm belt width. Custom sizes are available on demand.

SALIENT FEATURES

- Patented Rock'N' Roll mechanism combines a pivoting action as well as a tilting action to quickly track belt back to centre. The tilt action resists the mis-tracking of belt whereas the pivot action guides the belt back to its true line. Tapered and rubberized rollers provides superior traction to train the belt. Maximise the advantage of modular construction which make installation and maintenance very easy. Interchangeable modular parts helps in cutting down inventory costs.
- Adjustable frames and arms allows the tracker to adapt to the site conditions without any modification.
- Available for Carrying side, Flat-return and V-return applications.



REXLINE ROLLER (CUSTOM DESIGN)



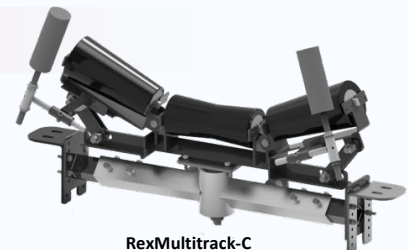
DIMENSIONS

Belt Width (mm)	Assembly P/N*				
	Carrying Side-Unidirectional	Carrying Side-Reversible	Flat Return-Unidirectional	Flat Return-Reversible	V-Return
600	TMT-C-0600-XX	TMT-C-R-0600-XX	TMT-R-0600	TMT-R-R-0600	TMT-V-0600-YY
800	TMT-C-0800-XX	TMT-C-R-0800-XX	TMT-R-0800	TMT-R-R-0800	TMT-V-0800-YY
1000	TMT-C-1000-XX	TMT-C-R-1000-XX	TMT-R-1000	TMT-R-R-1000	TMT-V-1000-YY
1200	TMT-C-1200-XX	TMT-C-R-1200-XX	TMT-R-1200	TMT-R-R-1200	TMT-V-1200-YY
1400	TMT-C-1400-XX	TMT-C-R-1400-XX	TMT-R-1400	TMT-R-R-1400	TMT-V-1400-YY
1600	TMT-C-1600-XX	TMT-C-R-1600-XX	TMT-R-1600	TMT-R-R-1600	TMT-V-1600-YY
1800	TMT-C-1800-XX	TMT-C-R-1800-XX	TMT-R-1800	TMT-R-R-1800	TMT-V-1800-YY
2000	TMT-C-2000-XX	TMT-C-R-2000-XX	TMT-R-2000	TMT-R-R-2000	TMT-V-2000-YY
2200	TMT-C-2200-XX	TMT-C-R-2200-XX	TMT-R-2200	TMT-R-R-2200	TMT-V-2200-YY
2400	TMT-C-2400-XX	TMT-C-R-2400-XX	TMT-R-2400	TMT-R-R-2400	TMT-V-2400-YY

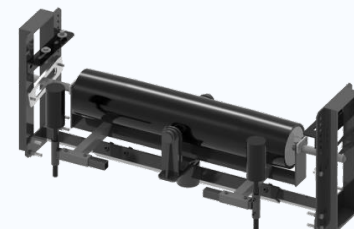
***Note:** Replace 'XX' with troughing angle viz., 20, 35, 45 etc.
 Replace 'YY' with Return belt trough viz., 10, 15 etc.
 Add 'SS' to the end of Part Number for Stainless Steel Frame, leave blank for Mild Steel

SELECTION GUIDE

RexMultitrack-C	Belt Tracker suitable for Carrying Side, Unidirectional belt
RexMultitrack-CR	Belt Tracker suitable for Return Side, Reversible belt
RexMultitrack-R	Belt Tracker suitable for Flat Return Side, Unidirectional belt
RexMultitrack-RR	Belt Tracker suitable for Flat Return Side, Reversible belt
RexMultitrack-V	Belt Tracker suitable for V-type two roller Return Side, Unidirectional belt



RexMultitrack-C



RexMultitrack-R



RexMultitrack-V

ACCESSORIES & SPARES

RexRoller provides all the spares and accessories for easy installation and maintenance of belt trackers. They include mounting brackets, spare tracking rollers with rubber or PU lining etc. Custom made frames and brackets are also available for specific applications.

RexTrack

Mining

Steel

Power

Mineral Processing

In an ideal situation the conveyor structure would be well engineered and built, the loading of belt would be centered, there would not be any material carryback and the belt would be in good condition. Under such conditions belt mis-alignment would almost never be present on a conveyor.

However in the real world mis-alignment of the belt from the desired path is common. The major causes of belt mis alignment is listed below.

- Improper vulcanization or fasteners
- Improper belt handling (warehouse)
- Improper belt tension
- Tail and head pulleys non parallel
- Damaged stringer Material stacked in the idlers
- Carry and return idlers out of the center
- Idler's bearings over lubricated



A mis-aligned belt can cause material spillage, Heavy belt and structural damage. The belt may come in contact with the steel structure damaging both the belt and the structure beyond repair. Belt mis-alignment may even lead to fatal accidents. Hence belt mis-alignment must be controlled before the damage becomes irreversible and here the relevance of a proper belt aligning system arises.

RexRoller is a leading supplier of Transfer Point Solutions and Conveyor Care products. We supply the complete range of products to make bulk material handling clean, safe and more productive.

RexTrack is RexRoller answer to your belt mis-alignment worries. It is a unique self activating 'Pivot' mechanism which Kicks-in immediately once there is any sign of belt mis-alignment and steer the belt back in-line.

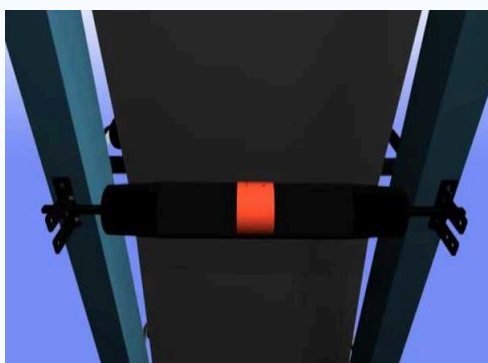
OPERATION PRINCIPLE

When ever the belt travels off center at the Return side, the belt moves to the tapered side of the roller and the tracker automatically steers the belt back on track.

At the carrying side when the belt travels off-line, it will slide up to the actuating rollers and system kick-in immediately, bringing the belt back in line.

With the unique design these trackers gently guides the belt back to the center without causing any damage to the belt.

The Surtrack is pre-lubricated and no further lubrication required. It works on the pressure of the belt. The return tracker is suitable for reversing belts also. For carrying side special reversing tracker design is also available.

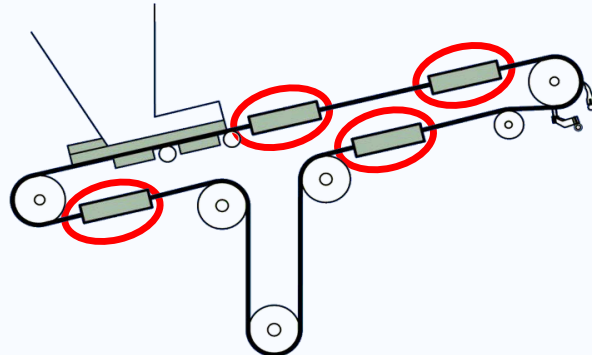


Given below are the common mis-alignment zones where installation of Surtrack is recommended.

1. Just after the loading point
2. Just before the discharge point
3. Before and after bend pulleys.
4. Just before Tail pulley, in the return

RexTrack comes with a State-of-the-art built in bearing hub design which assures a durable and long lasting trouble free operation.

Using the Surtrack helps in controlling the conveyor belt mis-alignment leading to reduced edge damages due to better tracking, reduced conveyor down time, added safety for conveyor belts, reduced Spillage of material and reduced power consumption

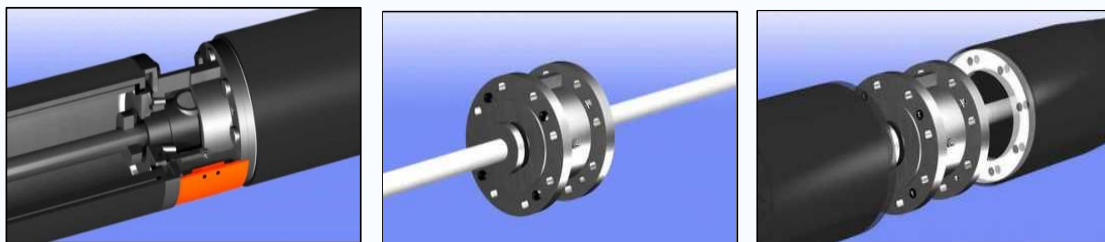


DESIGN FEATURES

RexTrack consists of the following components

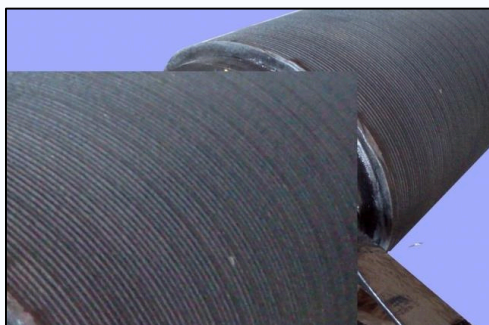
- An stationary inner shaft fitted with a unique pivot mechanism which allows it to move parallel to the belt surface.
- An Outer shell which rotates around the inner shaft with the help of tapered roller bearings.

Unlike other tracking rollers in the market, the bearing assembly and the center pivot mechanism of Surtrack is located in the center, in a water and air tight enclosure thus preventing dust or water entry. This extends the bearing life and in turn service life of the tracker.



Since the bearing is located in the center, the outer shell gets more space to swivel, thus enhancing the tracking action.

The outer shell is rubberized The shell is tapered towards the outer edge and the tapered portion is grooved. This ensures proper seating of the belt on the tracking roller and provides enough traction between the belt and roller for better tracking. The rubber lagging is grooved to enhance the traction between roller and belt.



The shell comes in two parts, each part bolted on to either side of the center bearing hub. This enables easy removal of the shell for re-rubberizing and replacement of the shell.

Surtrack tracking rollers are provided with rigid and easy to fit mounting accessories for easy installation and tuning.

Surtrack tracking rollers are designed for severe load conditions and can work well on very high belt speeds up to 5 m/ s (985 fpm).



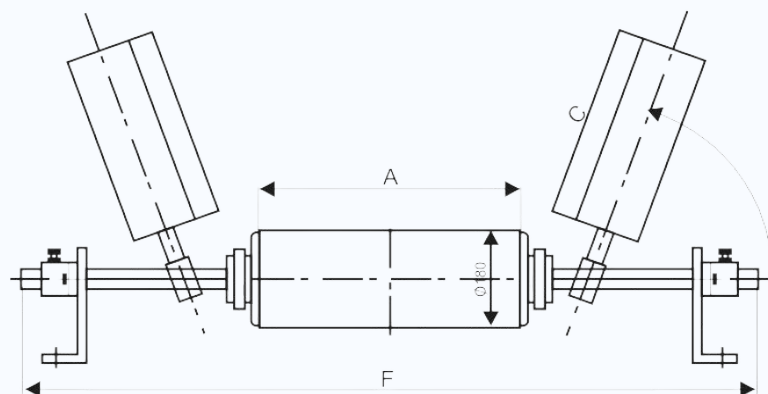
100% MADE IN INDONESIA

TECHNICAL DATA


Before



After



Belt Width in. (mm)	Assembly P/N*	Dim A in. (mm)	Dim C in. (mm)	Dim F in. (mm)	Nett. Weight lb (Kg)
24 (500-650)	TTS-0650-UP-XX	14 (365)	9 (240)	37 (950)	95 (43)
30 (650-800)	TTS-0800-UP-XX	14 (365)	9 (240)	45 (1150)	97 (44)
36 (800-1000)	TTS-1000-UP-XX	18 (465)	13 (340)	53 (1350)	121 (55)
42 (1000-1200)	TTS-1200-UP-XX	18 (465)	13 (340)	63 (1600)	126 (57)
48 (1200-1400)	TTS-1400-UP-XX	25 (640)	18 (450)	71 (1800)	172 (78)
54 (1400-1600)	TTS-1600-UP-XX	25 (640)	18 (450)	79 (2010)	256 (116)
60 (1600-1800)	TTS-1800-UP-XX	25 (640)	18 (450)	91 (2300)	287 (130)
72 (1800-2000)	TTS-2000-UP-XX	28 (700)	22 (570)	98 (2500)	364 (165)
84 (2000-2200)	TTS-2200-UP-XX	28 (700)	22 (570)	106 (2700)	397 (180)

REXLINE ROLLER (CUSTOM DESIGN)

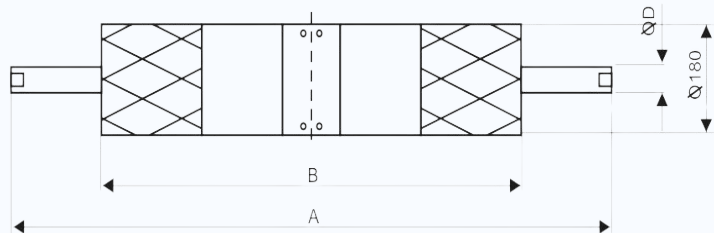
TECHNICAL DATA



Before



After



Belt Width in. (mm)	Assembly P/N*	Dim A in. (mm)	Dim B in. (mm)	Ø D in. (mm)	Nett. Weight lb (Kg)
24 (500-650)	TTS-0650-LP-XX	40 (1010)	28 (720)	1.6 (40)	73 (33)
30 (650-800)	TTS-0800-LP-XX	48 (1210)	34 (870)	1.6 (40)	82 (37)
36 (800-1000)	TTS-1000-LP-XX	56 (1410)	42 (1070)	1.6 (40)	95 (43)
42 (1000-1200)	TTS-1200-LP-XX	65 (1660)	50 (1270)	1.6 (40)	108 (49)
48 (1200-1400)	TTS-1400-LP-XX	73 (1860)	58 (1470)	1.6 (40)	121 (55)
54 (1400-1600)	TTS-1600-LP-XX	85 (2150)	67 (1690)	2 (52)	143 (65)
60 (1600-1800)	TTS-1800-LP-XX	93 (2350)	73 (1860)	2 (52)	159 (72)
72 (1800-2000)	TTS-2000-LP-XX	100 (2550)	82 (2090)	2 (52)	174 (79)
84 (2000-2200)	TTS-2200-LP-XX	108 (2750)	90 (2290)	2 (52)	190 (86)

RexRoller offers a complete package including design, supply, consultancy, technical support, service back-up and maintenance to assure that our clients will obtain the best benefits at the lowest costs for any trouble shooting and improvement needed in the plant.

REXROLLER FREE FLOW SYSTEM



Roller Components

Rollers with rubber discs



Rollers with BACKLOCK system (Italian blocking system)



All our rollers are produced with patented hermetic sealing system

100% MADE IN INDONESIA

REXLINE IN-HOUSE PULLEY MANUFACTURING & PULLEY REFURBISHMENT

REXLINE PULLEY MANUFACTURING

Rexline Engineering Indonesia offers comprehensive design and manufacturing services for a wide range of pulleys, tailored to meet clients' specific requirements for locking assembly brands such as Ring Span or other preferred brands, along with premium housing options like SKF or FAG.

Rexline's manufacturing capabilities in Indonesia extend to producing pulleys with a maximum diameter of 2.8 meters, showcasing our expertise in handling large-scale projects.



REXLINE PULLEY REFURBISHMENT

- > State of art facilities to refurbish pulleys both economically & efficiently. Safe, quick and efficient
- > turnaround in Pulley refurbishments and hence minimizing downtimes during shutdowns. We can caterto
- > client requirements to reinstate a pulley to its OEM specification or provide a better solution to increase its
- > service life. Provides a comprehensive report after stripping and assessing the Pulley and quote to repair within 4 working days.



REXLINE PULLEY LAGGING

REXWRAP™ Diamond Pulley Lagging



Features & Properties

Technical Specifications	
Polymer	NR/BR
Specific gravity	1.10 ± 0.05
Hardness	60 ± 5 Shore A
Tensile strength (min)	20 MPa
Elongation at break (min)	600 %
Abrasion resistance (max)	90 mm ³
Temperature Rating	-20°C to +70°C

Available Dimensions

10 x 500 x 20000 mm
 12 x 500 x 20000 mm
 15 x 500 x 20000 mm

*REXWRAP™ Laggings can be manufactured and supplied in a wide variety of lengths and thickness. Please contact us with your requirements

REXLINE PULLEY LAGGING

REXWRAP™ Ceramic Pulley Lagging

- >> REXWRAP™ CERAMIC PULLEY LAGGING is our trademarked high performance 60 Duro Black lagging with 92% Alumina ceramic tiles vulcanized into the rubber to give ultimate abrasion resistance in the most high wear areas of a pulley.
- >> REXWRAP™ is a self cleaning pulley lagging with Radius grooves to conquer the effect of excessive dirt and water build up on the pulley.
- >> REXWRAP™ Alumina Ceramic tiles have a dimpled profile to help with traction and grip.
- >> REXWRAP™ is available with a CN bonding layer to give excellent adhesion to the Steel Pulley surface.
- >> REXWRAP™ has outstanding physical properties making it the number one choice for Pulley lagging.



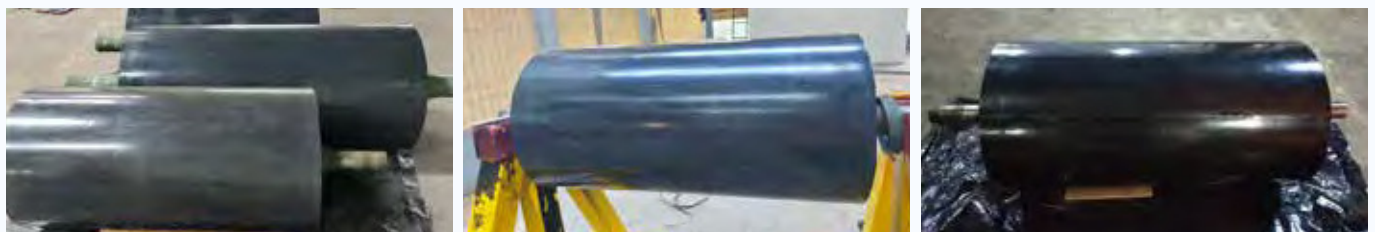
Available Dimensions

12 x 500 x 10000 mm 15 x 500 x 10000 mm
 *REXWRAP™ Laggings can be manufactured and supplied in a wide

variety of lengths and thickness. Please contact us with your requirements

Features & Properties

Technical Specifications	
Polymer	NR/BR
Specific gravity	1.13 ± 0.05
Hardness	60 ± 5 Shore A
Tensile strength (min)	17 MPa
Elongation at break (min)	405 %
Abrasion resistance (max)	140 mm ³
Temperature Rating	-30°C to +60°C
Alumina Content	≥92%
Bulk Density	≥3.63g/cm ³
Hardness R45N	Min 77 Min 2,447
Flexural Strength	Kg/cm ²
Compressive Strength	Min 19,884 Kg/cm ²



Comparison Table for Co-Efficient of Friction

Co-efficient of Friction	Bare Steel Pulley	Rubber Lagging	Ceramic Lagging
Dry	0.25	0.50	0.75
Wet	0.15	0.35	0.55

HEAVY DUTY BELT CLEANER

Primary Belt Cleaner



PRE-CLEANER is an economical yet efficient solution for conveyor belt cleaning problems.

Pre-Cleaner is designed for long term performance to withstand punishing conditions. It is made up of heavy duty steel pipe frame to withstand high speed belt with heavy loads.

Ideally installed on the face of the head pulley, just below the origin of material trajectory, the cleaner design prevents material build up and returns valuable carry back material back into the primary material stream. The cleaner incorporates a Single piece solid Urethane Blade as the cleaning tip. The blade is mounted with single locking pin arrangement which makes installation and maintenance.

Colour coded Polyurethane blades suitable for different application and conditions are available on request.

SALIENT FEATURES

- >> Minimum Cleaning pressure exerted on the belt with maximum efficiency.
- >> The scraper's design allows ease of installation and replacement of blade with the removal of locking pin.
- >> The tensioning device ensures constant blade contact with belt.
- >> Unique design maintains constant cleaning angle and optimum radial pressure through all stages of blade life.
- >> Pre cleaner incorporates a sturdy PU blade and heavy duty carrier tube

SPECIFICATION

Blade Color	Red	Brown	Green
Application	All Standard Applications	High Moisture, High Abrasive & wear, Chemical	High Temperature, High Abrasion & wear
Max. Service Temp. (°C)	Continuous - 70	Continuous - 70	Continuous - 120
Max. Belt Speed (m/s)	4.6	4.6	4.6
Min. Pulley Dia. (mm)	305	305	305
Wear Life (mm)	115	115	115

HEAVY DUTY BELT CLEANER

DIMENSIONS

Belt Width in mm	Assembly P/N	Dim. - A in mm	Dim. - B in mm	Net Weight in Kg	Spare Blade P/N	Mainframe P/N
500	TCP-0500-X-X	1500	450	24.09	TCP-SP-0500-X	TCP-SP-0500-MF
650	TCP-0650-X-X	1650	600	26.45	TCP-SP-0600-X	TCP-SP-0600-MF
800	TCP-0800-X-X	1800	750	28.80	TCP-SP-0800-X	TCP-SP-0800-MF
1000	TCP-1000-X-X	2000	900	31.47	TCP-SP-1000-X	TCP-SP-1000-MF
1200	TCP-1200-X-X	2200	1050	34.14	TCP-SP-1200-X	TCP-SP-1200-MF
1400	TCP-1400-X-X	2400	1200	43.55	TCP-SP-1400-X	TCP-SP-1400-MF
1600	TCP-1600-X-X	2600	1500	48.00	TCP-SP-1600-X	TCP-SP-1600-MF
1800	TCP-1800-X-X	2800	1650	51.02	TCP-SP-1800-X	TCP-SP-1800-MF
2000	TCP-2000-X-X	3000	1800	54.03	TCP-SP-2000-X	TCP-SP-2000-MF
2200	TCP-2200-X-X	3200	1950	57.04	TCP-SP-2200-X	TCP-SP-2200-MF
2400	TCP-2400-X-X	3400	2250	61.49	TCP-SP-2400-X	TCP-SP-2400-MF

* Replace "X" with R for red color blade, B for brown color & G for green color blade. Applicable for spare blade part number also.

** Replace second 'X' with 'S or T' for spring or torque tensioner respectively.

*** For SS frame, add "-SS" at the end of Assembly part number

**** Add '(SS)' at end of mainframe part number for Stainless steel mainframe



Accessories & Spares

Rexline provides a range of accessories for easy installation and maintenance of belt cleaners. They include mounting brackets, inspection doors, tensioning devices etc. Custom made brackets and fittings are also available for specific applications.

Spring Tensioner 60φ	TCP-SP-TR-S1
Spring Tensioner 76φ	TCP-SP-TR-S2
Torq Tensioner 60φ	TCP-SP-TR-T1
Torq Tensioner 76φ	TCP-SP-TR-T2
End Cap 60φ	TCP-SP-EC1
End Cap 76φ	TCP-SP-EC2

HEAVY DUTY BELT CLEANER

DIMENSIONS

Belt Width (mm)	Blade Coverage (mm)	V Plow			D Plow			Hardness (Shore A)	
		Assembly P/N*	Blade Length (mm)	Spares P/N*	Assembly P/N*	Blade Length (mm)	Spares P/N*	PU	Rubber
500	600	TTV-0500-X-X	790	TTV-SP-0500-X-X	TTD-0500-X-X	850	TTD-SP-0500-X-X	80+/-5	60+/-5
650	750	TTV-0650-X-X	1010	TTV-SP-0650-X-X	TTD-0650-X-X	1060	TTD-SP-0650-X-X		
800	900	TTV-0800-X-X	1220	TTV-SP-0800-X-X	TTD-0800-X-X	1270	TTD-SP-0800-X-X		
1000	1100	TTV-1000-X-X	1500	TTV-SP-1000-X-X	TTD-1000-X-X	1560	TTD-SP-1000-X-X		
1200	1300	TTV-1200-X-X	1780	TTV-SP-1200-X-X	TTD-1200-X-X	1840	TTD-SP-1200-X-X		
1400	1500	TTV-1400-X-X	2070	TTV-SP-1400-X-X	TTD-1400-X-X	2120	TTD-SP-1400-X-X		
1600	1700	TTV-1600-X-X	2350	TTV-SP-1600-X-X	TTD-1600-X-X	2400	TTD-SP-1600-X-X		
1800	1800	TTV-1800-X-X	2630	TTV-SP-1800-X-X	TTD-1800-X-X	2690	TTD-SP-1800-X-X		
2000	2100	TTV-2000-X-X	2900	TTV-SP-2000-X-X	TTD-2000-X-X	2970	TTD-SP-2000-X-X		
2200	2300	TTV-2200-X-X	3200	TTV-SP-2200-X-X	TTD-2200-X-X	3250	TTD-SP-2200-X-X		
2400	2500	TTV-2400-X-X	3480	TTV-SP-2400-X-X	TTD-2400-X-X	3540	TTD-SP-2400-X-X		

* Replace 1st X with R if operating temperature is <700 C & G if operating temperature is <700 C,
Replace 2nd X with R or P for Blade material, Rubber or Polyurethane respectively.

RUBBER SHEETING FOR WEAR PROTECTIONS

Rexline Premium Rubber Sheeting



REXLINE PREMIUM Rubber Sheeting is our trademarked high performance 40 Duro Pink Premium grade, wear resistant natural rubber. REXLINE PREMIUM has excellent resistance to wet slurry and fine particle abrasion with high elasticity and flexibility.

REXLINE PREMIUM Rubber Sheeting is available in either a buff backed finish or CN bonding layer to give excellent chemical and mechanical adhesion to a range of parent metals and surfaces.

REXLINE PREMIUM has outstanding physical properties making it the number one choice for wear protection and rubber lining applications.

Features & Properties

Technical Specifications	
Specific gravity	0.98± 0.05
Hardness	38 ± 5 Shore A
Tensile strength (min)	27 MPa
Elongation at break (min)	903%
Abrasion resistance (max)	81 mm ³
Tear resistance (Angular) min	44.5 Kg/cm
Resilience	78%

Available Dimensions

- 3 x 1500 x 10000 mm
- 6 x 1500 x 10000 mm
- 9 x 1500 x 10000 mm
- 10 x 1500 x 10000 mm
- 12 x 1500 x 10000 mm
- 15 x 1500 x 10000 mm
- 19 x 1500 x 10000 mm
- 24 x 1500 x 10000 mm

Rexline MAX Rubber Sheeting



REXLINE MAX Rubber Sheeting is our trademarked high performance 40 Duro Pink, wear resistant natural rubber. REXLINE MAX Rubber Sheeting has excellent resistance to wet slurry and fine particle abrasion with high elasticity and flexibility.

REXLINE MAX Rubber Sheeting is available in either a buff backed finish or CN bonding layer to give excellent adhesion to a range of parent metals and surfaces.

REXLINE MAX Rubber Sheeting has outstanding physical properties making it the number one choice for wear protection rubber lining applications.

Features & Properties

Technical Specifications	
Specific gravity	1.10± 0.05
Hardness	40 ± 5 Shore A
Tensile strength (min)	18 MPa
Elongation at break (min)	656.5%
Abrasion resistance (max)	101 mm ³
Tear resistance (Angular) min	40.5 Kg/cm
Resilience	61%

Available Dimensions

- 3 x 1500 x 10000 mm
- 6 x 1500 x 10000 mm
- 9 x 1500 x 10000 mm
- 10 x 1500 x 10000 mm
- 12 x 1500 x 10000 mm
- 15 x 1500 x 10000 mm
- 19 x 1500 x 10000 mm
- 24 x 1500 x 10000 mm

RUBBER SHEETING FOR WEAR PROTECTIONS

Rexline Orange Rubber Sheeting



REXLINE ORANGE is our trademarked highly reliable performance sheet lining for harsh conditions due to its very high NR-Polymer content.

REXLINE ORANGE is a 38 Duro Orange Premium grade, wear resistant rubber. REXLINE ORANGE has excellent resistance to wet slurry and fine particle abrasion with high elasticity and flexibility.

REXLINE ORANGE is available with a CN bonding layer to give excellent adhesion to a range of parent metals and surfaces. This also helps with fast adhesion and effective working rates.

Roll REXLINE ORANGE has outstanding physical properties making it the number one choice for wear protection rubber lining applications.

Features & Properties

Technical Specifications	
Polymer	NR
Specific gravity	1.05 ± 0.05 g/cm ³
Hardness	38 ± 5 Shore A
Tensile strength (min)	20 MPa
Elongation at break (min)	656.5%
Abrasion resistance (max)	86mm ³
Tear resistance (Angular) min	45.5 kg/cm
Operating Temperature	-40°C to + 70°C

Available Dimensions

3 x 1500 x 10000 mm 15 x 1500 x 10000 mm
 6 x 1500 x 10000 mm 19 x 1500 x 10000 mm
 9 x 1500 x 10000 mm 24 x 1500 x 10000 mm
 12 x 1500 x 10000 mm

Rexline Indication Layer Rubber Sheeting



REXLINE IL (INDICATION LAYER) comes in 40, 50 and 60 Duro with an Orange indication layer for safety and reliability. REXLINE IL has good UV Light protection and is available with a CN bonding layer to give excellent adhesion to a range of parent metals and surfaces.

This also helps with fast adhesion and effective working rates. Rubber Sheeting Roll REXLINE IL has excellent resistance to dry wear and high impact areas because of its abrasion properties. It is also suitable for wet slurry and fine particle abrasion with high elasticity and flexibility.

REXLINE IL has outstanding physical properties making it the number one choice for wear protection rubber lining applications.

Features & Properties

Technical Specifications IL 40	
Polymer	NR
Hardness	40± 5 Shore A
Tensile strength (Min)	19 Mpa
Elongation at break (Min)	656.5%
Specific Gravity	1.08 ± 0.05
Abrasion Resistance (Max)	126 mm ³
Tear resistant Angular (Min)	61 Kg/cm

Available Dimensions

3 x 1500 x 10000 mm
 6 x 1500 x 10000 mm
 10 x 1500 x 10000 mm
 12 x 1500 x 10000 mm
 20 x 1500 x 10000 mm

WEAR RESISTANT CERAMICS MANUFACTURE

Alumina Ceramic Tiles

Engineered wear resistance ceramic lining tiles include 92% Al_2O_3 series, 95% Al_2O_3 series and $Al_2O_3+ZrO_2$ composition series, can effectively protect your equipment/machines against wear, wherever abrasive materials are mined, transported and processed, especially in the industries of mining, primary steel, fire power plant, cement, port etc. Engineered lining tiles help users reduce their downtime and improve their productivity.

Engineered could afford customers the optimum lining tiles accommodate the detailed equipment wear protection demand. It adapts all the lining tiles totally to meet the application. Engineered ceramic lining tiles including: plain tiles, weldable tiles, trapezoidal tile, curved & lock tiles, and engineering tiles with special geometries.



Alumina Ceramic Tiles
Alúmina de cerámica



Alumina Ceramic Plain Tiles
Azulejo de cerámica alúmina plain



Alumina Ceramic Weldable Tiles
Azulejo de cerámica alúmina soldable



Alumina Ceramic Trapezoidal Tiles
Alúmina de cerámica azulejo de Trapezoide



Alumina Ceramic Curved Tiles with Self-lock
Teja curva cerámica alúmina con auto - Lock

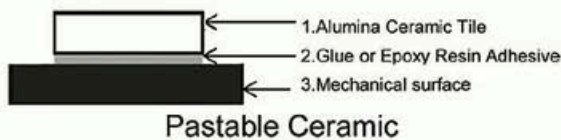
Rexline Ceramic Advantages

- Tailor Made Engineered Ceramics Available
- Accept OEM & ODM Wear Engineered Ceramics and Project
- Provide Professional Industrial Wear Consult and Solution
- Accept Small & Big Quantity Orders
- Delivery Fast

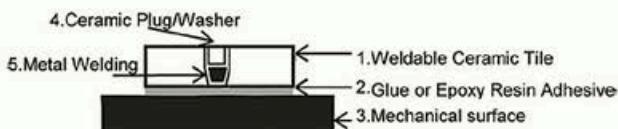
WEAR RESISTANT CERAMICS MANUFACTURE

Installation Methods of Alumina Tiles

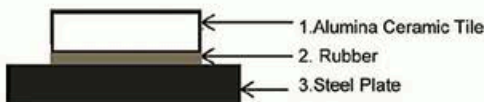
Different shapes of alumina tiles have different installation methods. For example, the alumina plain tile is normally pasted on the surface of the facility directly by epoxy resin adhesive or cement, and the weldable tile is installed on the surface of facility by welding and glue, etc.



Pastable Ceramic



Weldable Ceramic



Rubber Ceramic

Standard Size of Rexline Alumina Tile

Plain Tile	Weldable Tile	Trapezoid/Pipe Tile
150x100xT6-50mm	150x100xT13-50mm	150x33/28x13mm
150x75xT6-25mm	100x75xT13-50mm	150x50/46x25mm
150x50xT6-25mm	100x100xT13-50mm	150x53/49.3x13mm
150x25xT6-25mm	120x80xT13-25mm	100x35/32x13mm
100x100xT6-50mm		150x43/47x25mm
100x75xT6-50mm		150x47/53x25mm
100x50xT6-50mm		150x43/47x50mm
100x25xT6-25mm		
120x80xT6-25mm		
75x25xT6-13mm		
50x50xT3-50mm		

Installation Guide of Alumina Tiles



1. Cleaning the device surface first.
 2. Mixing the epoxy resin adhesive as per requested proportion. The adhesive must be used up within 30 minutes after mixing.
 3. Applying the mixed epoxy resin adhesive onto the back of the Engineered ceramic tiles or by large installation areas direct on the steel construction. Notice: Epoxy resin adhesive will be visible on top surface of the tiles, it is not necessary to clean the surface.
 4. Carefully putting the Engineered ceramic tiles on the casing and pressing the welding washer (welding insert/welding metal) into the hole.
 5. Welding: The normal welding washer (welding insert / welding metal) is cold rolled steel which can be plug welded using conventional welding procedures.
 6. Placing a little epoxy resin adhesive into the hole and then carefully pressing the ceramic plug (ceramic cap) into the adhesive.
- After 24 hours the adhesive hardens up and the installation is ready to use.

WEAR RESISTANT CERAMICS MANUFACTURE

Application Reference for the Alumina Ceramic Tiles

With good wear resistance and impact resistance, the wear alumina ceramics are widely used in the mining, power plant, steel plant and cement industries. It can increase operational efficiencies by extending plant and equipment life, and reduce the unnecessary down-time and maintenance cost. The wear ceramic tiles play a great role in the excessive wear fields.



Plain Tile Lining the Hopper
Plain tile Revestimiento la tolva



Weldable Tile Lining the Big Pipe
Revestimiento de tuberías soldables azulejo grande



Pipe Tile Lining the Pipe
Pipe tile Revestimiento de la tubería



Weldable Tile Lined Hopper
Weldable Tile lined tolva

Application Ranges

Industry	Parts
Mining	Crusher cone, sizing screen, transfer chute, scraper, pipe, drum pulley, cyclone separator, etc.
Power Plant	Coal feeder, collector pan, fan runner, chute, elbow, silos.
Steel Plant	Fan housing & blades, screen, feed drum, bunker, hopper, slurry pipeline.
Cement Plant	Clinker discharge, cyclone, chute, conveyor, feed hopper, crusher.
Others	Port, nozzle.

WEAR RESISTANT CERAMICS MANUFACTURE

Wear Solutions for Pipe Lining Engineering

Solution-1 Lined with Alumina Ceramic Mosaic Tile Mat
 -Ceramic mosaic tiles: 10x10mm, 15x15mm, 17.5x17.5mm, 20x20mm with thickness 2-6mm
 -Tile mats: 150x150mm, 300x30mm, 500x500mm, etc.
 -Feature: Easy to fix on the inner surface and the mat is easy to roll-over due to the small mosaic tile and then save the installation time & cost.



Solution-2 Lined with Alumina Ceramic Tubes or Bends
 -Ceramic tubes & bends:
 Dia 100-300mm, Length 100-500mm
 -Feature: easy to fix and few gaps



Engineered is able to provide the alumina ceramic products and the ceramic lined equipments

Solution-3 Lined with Ceramic Trapezoid/Pipe Tiles
 -Ceramic Trapezoid/Pipe Tiles: 150x33/28x13mm, 150x43/47x25mm, 150x47/53x25mm, 150x43/47x50mm, 100x35/32x13mm, etc
 -Feature: Low cost



Solution-4 Lined with Inter-lock Tiles
 -Ceramic lining: As per clients' requirements.
 -Feature: The tiles could be connected tightly by the groove and lock.



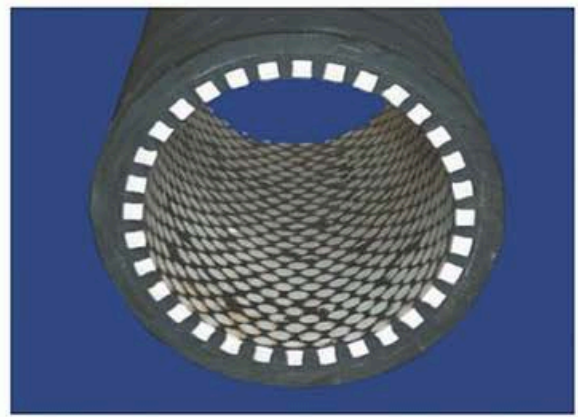
Solution-5 Lined with Curved Locking Tiles
 -Ceramic lining: As per clients' requirements.
 -Feature: The tiles could be connected tightly by the groove and lock. And the roundness is better than other tiles.



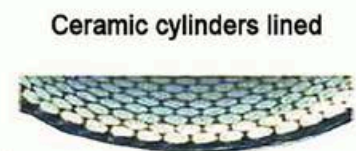
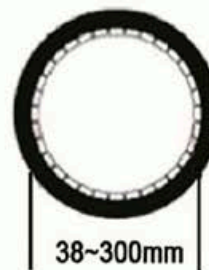
WEAR RESISTANT CERAMICS MANUFACTURE

Ceramic Hose

Engineered Ceramic Hose is one of good ideal conveyor which are widely used in highly aggressive environments for wear resistance and anti-impact. Embedding the high alumina ceramics into the rubber, the ceramic hose could bear the hard materials of pipe friction instead of rubber. It is widely used in dredging mining, port, power plant, steel plant and cement plant, etc.



The flexible hose is lined with ceramic cylinder for wear resistance and with the advantage of flexibility, the ceramic hose could be curved in any direction.



WEAR RESISTANT CERAMICS MANUFACTURE

The cost-effective liner for high wear applications

Efficient production methods, the latest manufacturing equipment and strict quality control ensure that dry pressed high alumina ceramic is the wear resistant material chosen by original equipment manufacturers and for the replacement of existing liners.

Facilities:

- **Engineered ceramics** – custom made shapes and sizes
- **Design** – CAD facilities for non-standard tile requirements
- Dry Uniaxial and Isostatic pressing, slip casting and extrusion capabilities
- **Quality control** – Multotec is a TÜV accredited ISO 9001:2008 company
- **Steel fabrication** – complete design, fabrication and lining service
- **Installation** – skilled installation teams for factory or on-site installations
- **Expertise** – experienced qualified engineers available for before and after sales consulting

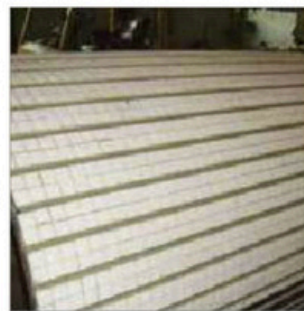
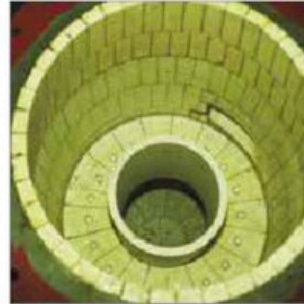
Ceramic Wear Resistant Tiles

Applications

In the field of power generation, ceramic tiles are effectively used to protect pulverized fuel pipes, fans, coal handling chutes and hoppers. Ceramic tiles are an essential product used by the mining industry in vibrating feeders, transfer chutes, cyclones, pipes, high speed fans and other traditional problem areas.

New Uses

Our engineers, in conjunction with industry, are continually exploring new applications for the effective use of ceramics, wherever wear resistant linings are required. Detailed and complex designs are rapidly translated into custom made shapes at our modern factory. We can readily manufacture to your specific requirements.



Property	Value	Units
Bulk Density	3.60	g/cm ³
Porosity	0.0	%
Water Absorption	0.0	%
Modulus of Rupture	280	Mpa
Modulus of Elasticity	295	GPa
Fracture Toughness	3.0	MN/m ^{2/3}
Vickers Hardness HV (5kg)	1023	Kg/mm ²
Abrasion Resistance	0.18	cm ³ /h
Thermal Expansion (400°C)	6.66 x 10 ⁻⁶	°/k
(800°C)	7.92 x 10 ⁻⁶	°/k
(1000°C)	8.26 x 10 ⁻⁶	°/k
Thermal Conductivity	15	W/mk

Part no.	Nominal size	Mass(Kg)/tile	Qty/m ²	Qty/box	Part no.	Nominal size	Mass(Kg)/tile	Qty/m ²	Qty/box
PLAIN TILES					WELDABLE TILES				
P01	150 x 100 x 12mm	0.648	67	30	W01	150 x 100 x 12mm	0.648	67	30
P02	150 x 100 x 25mm	1.350	67	15	W02	150 x 100 x 25mm	1.350	67	15
P03	228 x 114 x 12mm	1.123	39	15	W06	150 x 50 x 12mm	0.324	134	60
P04	228 x 114 x 25mm	2.339	39	8	W07	150 x 50 x 25mm	0.675	134	30
P06	150 x 50 x 12mm	0.324	134	60	W08	150 x 100 x 50mm	2.700	67	8
P07	150 x 50 x 25mm	0.675	134	30	W11	150 x 100 x 20mm	1.080	67	20
P08	150 x 100 x 50mm	2.700	67	8	W12	114 x 114 x 12mm	0.561	77	30
P09	100 x 75 x 12mm	0.324	134	60	W13	114 x 114 x 25mm	1.170	77	15
P10	100 x 75 x 25mm	0.675	134	30	W14	114 x 114 x 50mm	2.339	77	8
P11	150 x 100 x 20mm	1.080	67	20	IMPACT TILES				
P12	114 x 114 x 12mm	0.561	77	30	IP01	100 x 75 x 50mm	1.350	134	15
P13	114 x 114 x 25mm	1.170	77	15	CORNER TILES				
P14	114 x 114 x 50mm	2.339	77	8	P48	100 x 65 x 25mm	0.585	154	-
P22	150 x 25 x 6mm	0.081	267	250	HEXAGONAL TILES				
P25	150 x 50 x 6mm	0.162	134	140	H6	150 x 150 x 6mm	0.486	45	30
P26	150 x 100 x 6mm	0.324	67	70	H13	150 x 150 x 12mm	0.972	45	15
P29	45 x 45 x 6mm	0.044	494	280	SQUARE TILES(25x25mm Tiles)				
P30	100 x 25 x 6mm	0.054	400	280	T06	150 x 150 x 6mm	0.486	45	30
P35	150 x 25 x 12mm	0.162	267	120	DRIVE PULLEY LAGGING STRIPS				
P39	228 x 114 x 6mm	0.561	39	30	PL01 M/D	1180 x 41 x 5 (+1)mm		17	
					PL02 M/D	1180 x 41 x 12 (+1)mm		17	

WEAR RESISTANT CERAMICS MANUFACTURE

PanzerPoxy High Density Ceramic Epoxy Repair Kit



PANZERPOXY Hi-Density Fast Cure Alumina Wear Epoxy is a 2-part epoxy ceramic wear resistant material, extensively used for repairing and protecting surfaces against abrasive attack.

PANZERPOXY contains 15% pure solid white beads, at an alumina content of 92-95 %.

The remaining alumina as is equivalent to that, which is in all ceramic wear epoxy on the market with most material being currently only at a total of 78% – 81% alumina content.

PANZERPOXY is a two part epoxy ceramic wear resistant material that provides the following product characteristics:

- > Excellent sag resistance
- > High trowel ability
- > No shrinkage
- > High slump resistance
- > High peel strength from substrate
- > Low fumes – Low VOC
- > High impact and abrasion resistance
- > Can be used on wet and damp surfaces

PANZERPOXY is designed to minimize sliding abrasion and corrosion wear. When used by itself, equipment, life can be extended by direct application to ceramic, concrete, steel, and rubber substrates where it exhibits very high peel strength. It also can be reapplied to itself and other ceramic coatings or used as a top coat to prolong wear life. Typical uses include: cyclone linings, pump linings, chutes, hoppers, pipes, pipe bends, tile grouting, dust collectors and exhausters, etc

REXLINE CCO WEAR LINERS



As a genuine mining and quarrying wear liner support service, REXLINETM have excellent quality REXLINETM CCO plate and weld wires. The microstructure of Cr7C3 carbide volume fraction is 50% or more which makes it one of the reliable REXLINETM CCO Liners on the market. The REXLINETM CCO range also comes in Niobium enrich. composition to provide additional abrasion resistance

The REXLINE™ CCO plates can be:

- > Counter Sunk
- > Counter Bored
- > Manufactured to complex profiles
- > Fabricate and Roll Pip
- > Wear Bands

Performance Comparison Between Ultraclad and Other Wear Plate

REXLINE supplies a wide range of chromium carbide and complex carbide overlay plates. Typical standard formats and Custom formats are supplied. Overlay thicknesses vary from 3mm to 30mm depending on the thickness of the base metal. Plates can also be cut to size, shaped and rolled according to customer specifications.

Item	Hardness (HRC)	Max service temperature	Abrasion	Impact	Processability	Service life
Steel Plate	35-55	Low	*	*	**	*
Hardox	37-57	600	**	**	***	**
NM	33-42	600	**	**	***	**
Standard Overlay Plates	58-62	600	**	***	**	***
REXLINE™ UltraClad Plates	65-67	600	***	***	**	****

REXLINE CCO WEAR LINERS

Rexline™ CCO Plate vs Open Arc Welding

- >> Our REXLINE™ CCO's are manufactured using the Submerged Arc welding process which is a much more controlled process.
- >> The difference between submerged arc welding and regular arc welding is that the welding wire, arc, and weld joint are covered by a layer of flux.
- >> The liners produced using the Sub Arc process has higher wear resistant properties compared to the Open Arc Welding Process.

Rexline™ CCO Advantages:

- >> One of the top advantages of submerged arc welding is that it prevents hot materials from splattering and splashing onto workers.
- >> Another benefit is that the flux prevents high levels of radiation from being emitted into the air.
- >> This application is excellent for quickly welding together metal sheets and creates a secure fusion between welds.
- >> This application also produces high productivity, fast travel speed, high repeatability, and quality results.

Rexline™ CCO Bucket Liners

The REXI,IN, Bucket loader wear plates (REXI.IN, CCO) will outlast quenched and tempered steels by up to 12 times and white iron by up to 4 times.

The wear plates maintains the efficiency of chutes, bins, hoppers, buckets and other material handling equipment because it is quickly polished by abrading materials.



REXLINE CCO WEAR LINERS

Rexline™ CCO Truck Bed Liners



Problems & Challenges

Rexline Engineering can take up the challenge to design an effective liner package for truck body to overcome the localised wear issues and meet the miner's productivity, performance and reliability requirements.

A truck and shovel operation, the mine operates Komatsu model's 785 off-road haul trucks, fitted with Komatsu OEM bodies. Commissioned in Polavaram, India both truck fleets were operating well within Komatsu's operational parameters however the aging bodies on the fleet of 400 trucks were no longer economic to maintain. The site maintenance team were concerned about the productivity losses stemming from the trucks' unscheduled maintenance and repair requirements.

Hauling trucks/Excavator Buckets have the standard designed body with the wear package which are normally heavier than the recommended gross mass of body.

The challenge for Rexline Engineering Reliability and Engineering team was to design and manufacture a truck body that would be compatible with the Komatsu 785 truck, overcome the localised wear issues and meet the miner's productivity, performance and reliability requirements.

The data required to recommend the suitable product for the application

- > Photos of the current high wear areas
- > Current liners used – Brand
- > Current liners chemical compositions
- > Current liners physical properties
- > The bucket and Truck tray drawings
- > Thickness of the liners
- > Service life data and any history
- > Type of ore
- > Total weight added to the trays and the buckets
- > Current methodology of fastening

IMPACT PROTECTION

DuraWear Ni Hard Billets, Liners, Buttons, Bars



- > Bimetallic wear plates
- > Chocky bars and wear buttons
- > White iron wear blocks, wear bars
- > Microledges
- > Bimetallic wear pipes/Liners
- > Bucket protectors
- > Tungsten carbide wear parts
- > Ni-Hard wear parts
- > Skid Wear Bar

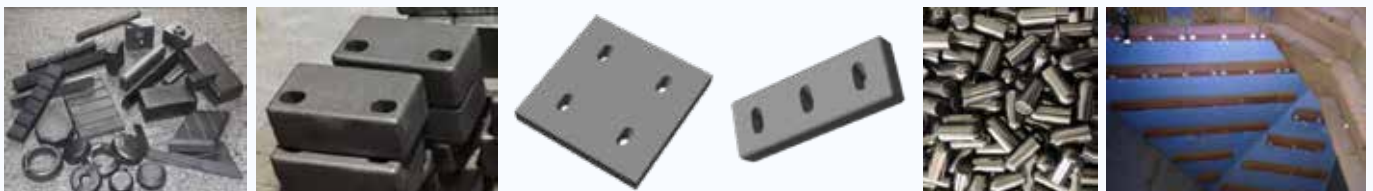
Laminated Wear Blocks are unique wear resistant materials in that they combine very high wear resistant qualities of white iron (ASTM A532 15/3CrMo, 700BHN – 63HRc) with a weldable & high impact toughness mild steel through a metallurgical bond to create a product that has a exceptional resistance to impact and abrasion.

Ni-Hard material also comes in Hard skirt format with different shapes and sizes depending on the application. The additional chromium content enables the skirts to withstand extended and continuous abrasion in the application.

Features & Properties

Ni-Hard composition (%)										
		C	Si	Mn	Ni	Cr	S	P	Mo	Brinell Hardness
DuraWear	Min	3.2	1.5	0.2	4	8	0.12	0.15	0.5	630
	Max	3.6	2.2	0.8	5.5	10	Max	Max	Max	Min
DurawearPro	Min	2.6	0.6	1	4	26	0.12	0.15	1	650
	Max	2.8	0.8	Max	5.5	28	Max	Max	Max	+/-25

- > Tensile Strength: 630 Mpa (min)
- > TShearing Strength: 250 Mpa (min)
- > THardness: 63 HRC



MOBILE IMPACT CRUSHING STATION

Mobile Impact Crushing Station and Conveyor System for Stock Pile



TELESTACKER MOBILE CONVEYOR LOADING



MOBILE LOADING CONVEYOR



MOBILE LIGHTING POLES

MOBILE CONVEYOR LOADING



RETROFIT MOBILE LOADING CONVEYOR

TRIPPER CAR & MOBILE CONVEYOR SYSTEM

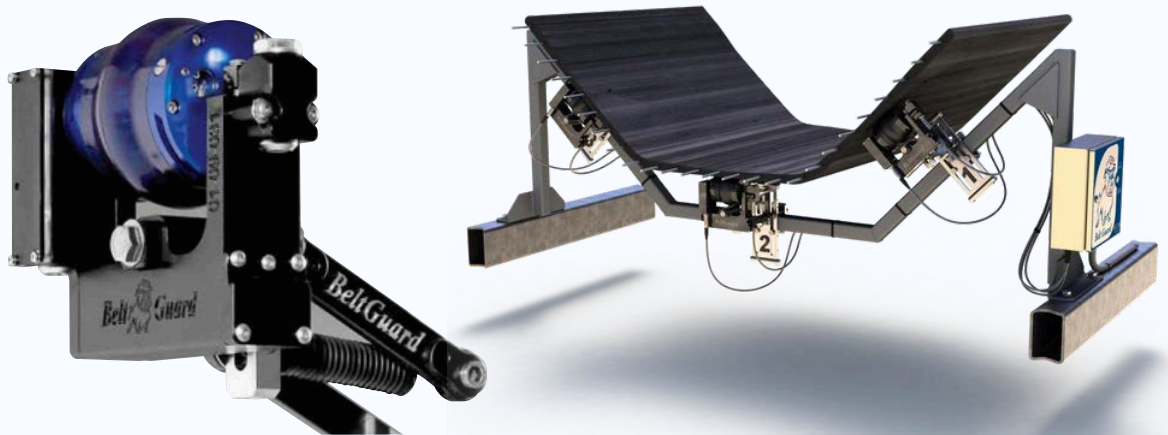


DESIGNED
FABRICATED & COMMISSIONED
by **REXLINE**



MONITORING SYSTEM

DETECTION - STEEL CORD BELTING



Belt Guard - BG10K

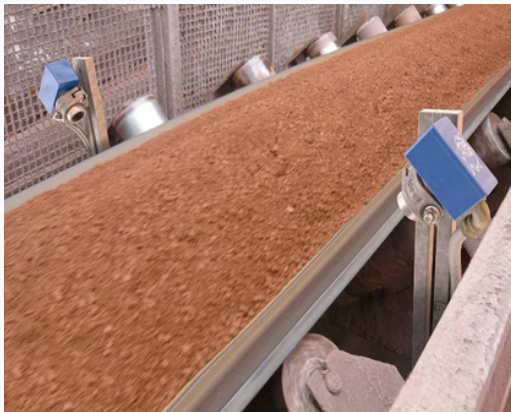
- Full data & event logging
- Patented technology
- Any width & any length
- Any speed & any product
- No loops or antennae required
- Detects partial depth rips
- Inbuilt video surveillance
- Full maintenance support
- Diagnosis & Fault Finding

Use	Instrument to detect longitudinal rips in ST belting.
Benefits	<ul style="list-style-type: none"> • Not belt manufacturer dependent. • No loops or antennae required. • Any speed or product. • Any belt width or length. • Capable of detecting partial and full penetration rips. • Can be retrofitted to existing conveyor structures. • Will work on conveyors with loops already installed. • Can be supported remotely in real time from anywhere in the world.
Deployment	Installed after the last load point on target conveyor. Main Electrical Enclosures, cabling and PLC connection can be installed by site personnel outside of a shut window. With a Beltscan Systems technician on-site, Mounting Frame and Transducers are then installed, commissioned and a live test / adjustment is completed. Typically a 2-day installation period under isolation.
Maintenance	Refurbishment of Transducers when required (consumable tyre component). Can be washed down periodically to prevent product build-up.



MONITORING SYSTEM

DETECTION - TEXTILE BELTING



BG5K

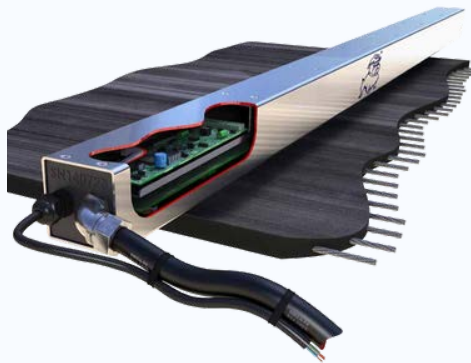
- *Non-Contact*
- *Low maintenance*
- *Simple installation*
- *Simple commissioning*
- *Any width & any length*
- *Any speed & any product*
- *Device measures belt width*
- *No loops or antennae required*

Use	Instrument to detect longitudinal rips in all types of belting.
Benefits	<ul style="list-style-type: none"> • Belt manufacturer agnostic. • Non-contact. • No loops required. • Real time monitoring of belt tracking position on structure in mm. • Any speed or product. • Any belt width or length. • Can be retrofitted to existing conveyor structures. • Will work on conveyors with loops already installed. • Supported remotely in real time from anywhere in the world.
Deployment	The device is simple to install and commission, and is typically performed by site personnel from detailed wiring and mounting specifications. Installation consists of on belt hardware and PLC connection. Typical 1-day installation and commissioning.
Maintenance	The BG5k equipment is effectively maintenance free. The sensors are self cleaning when powered, and any unlikely fugitive material may be wiped from the probe face when required. Blocked Probe alerts if cleaning is required.



MONITORING SYSTEM

CONDITION MONITORING



Belt Scanner MF

- *Programmed Parking stops the belt where you want for maintenance.*
- *Patented data acquisition protocol - small data les.*
- *21st Century non-contact steel cord belt condition monitoring.*
- *24/7 Disastrous Event Detection (DED) - continuous monitoring with automatic belt stop.*
- *High - Resolution splice and carcass damage detection – better than one cord.*



Use	Instrument for realtime condition monitoring of Splices and Cords in ST conveyor belting.
Benefits	<ul style="list-style-type: none"> • High Resolution cord level sensing. • Disastrous Event Detection (DED) – continuous automated monitoring can stop the conveyor when a cord / damage threshold is exceeded. • Programmed Parking – Any Splice or Event can be parked automatically at a specific maintenance location, saving time on inspections and repairs. • Belt manufacturer agnostic. • Non-contact. • Any speed or product. • Any belt width or length. • Supported remotely in real time from anywhere in the world.
Deployment	Installation can be carried out by site personnel, under the guidance of a Beltscan Systems product specialist. Detailed wiring and mounting specifications are supplied. Typical 1-day installation and commissioning.
Maintenance	The Belt Scanner MF equipment is maintenance free. Periodic wash down of on belt hardware if required.

MONITORING SYSTEM

REMAINING COVER THICKNESS - STEEL CORD BELTING



RCT Alpha

Non-contact Collision Impact Reduction +/- 0.25mm resolution Patented Technology Network Device TCP over Ethernet Programmable Data Capture Full Data Logging Belt Logitudinal & Lateral Position Important SAFE PARKING feature 2 x 4 - 20 mA outputs (optional) Easy SCADA integration



Use	Instrument for measuring the remaining cover thickness along the entire length of steel cord conveyor belting.
Benefits	<ul style="list-style-type: none"> • Determine the thinnest cover location in the entire belt with a single scan. • Non-contact. • Data captured while belt is running in normal operation. • Belt manufacturer agnostic. • Any speed or product. • Any belt width or length. • Ability to install on existing conveyor structures. • Supported remotely in real time from anywhere in the world
Deployment	Installation usually carried out by site personnel with the guidance of a Beltscan Systems product specialist. The Active head is typically located above a major pulley not in the product stream (usually the Tail Pulley) and is positioned laterally over the thinnest point in the belt profile. Typical 1-day installation and commissioning.
Maintenance	The RCT Alpha equipment is relatively maintenance free. The probes and sensors are self cleaning when powered. Fugitive material may be wiped from the probe face using an alcohol wipe if required.



MONITORING SYSTEM

Remaining Cover Thickness - Steel Cord Belting

CC22 Hand Scanner

The CC22 instrument will measure the cover thickness of either the Carry or Pulley covers in steel cord belting. Measures in the range 0.0 mm - 50.0 mm with 0.1 mm resolution. Is fully portable and is powered by a re-chargeable battery. Endurance is ~8 hours on a full charge. Is a magnetic device and requires no coupling medium as with Ultrasonic devices.

Measurement accuracy is not compromised by changes in ambient temperature. Small and robust - 4.0kg in carry case. Calibration is quick and easy, computer access is via USB. Comes with carry case, calibration shims, battery charger, USB cable, device driver and 'Cover Care Calibrator'.



Use	Handheld device for spot cover thickness measurements of steel cord conveyor belting.
Benefits	<ul style="list-style-type: none"> • 0.1mm Resolution • No coupling medium needed. • Not affected by ambient temperature. • Not affected by cover compounds. • Belt manufacturer agnostic.
Deployment	The CC222 is a portable device used to measure cover thickness laterally across a stationary conveyor to locate the thinnest point. Used in conjunction with the RCT to measure the longitudinal thickness of the belting at this lateral position, the thinnest point in the entire belt can be determined.
Maintenance	The CC222 requires no maintenance. Re-chargeable battery provides 9 hours of continuous operation.

MONITORING SYSTEM

BG BOSS - SOFTWARE



Use	Connecting to the Belt Guard Suite of Products.
Benefits	<ul style="list-style-type: none"> • One piece of software for all devices. • Username and password levels prevent access from unauthorized personnel. • System boards are configured with built-in HTML5 web portals that allow authorised personnel, remote access from any Internet enabled device like; PC's, tablets and mobiles. No other software is required.
Deployment	<p>BG Boss software for all Windows OS.</p> <p>Web portals are accessed from a web browser on any device.</p> <p>Devices can be accessed via site network, VPN or via a dedicated Mobile connection.</p>
Maintenance	<p>The software platform is consistently evolving with new feature and upgrades available via our website, www.beltscan.com.</p> <p>Software and Firmware updates are available at no cost, and can be deployed remotely to equipment in the field.</p>

PORTABLE WEIGHING SYSTEM

Solution provider for complete range of industrial electronic weighing and material handling equipment & systems, including, design, sales and service with state of the art electronics from reputed multinationals from all over the globe.

#	Product	Variants
1	Truck Weighing	Portable / Axle Weighers
2	Process Weighing	Belt Scale, weigh Feeders, Solid impact flow meters, Coriolis / Rotor feeders, loss in weight feeders etc
3	Onboard Weighing	Wheel Loader, Excavator Scales and Truck scales
4	Bagging System	Complete Range of Bagging Systems for open mouthed and valve type bags and Jumbo bag bagging machine
5	Static Rail Weighing	Hot Metal Ladle / Coke oven charging, including for high temperature applications upto 250°C and wagon weighing
6	Access Control System	Barriers, Turnstiles and RFID Products
7	Material Handling Products	Steel / Nylon Idlers, complete conveyors and Conveyor belts

Portable Single Platform Weighing

Key Features:

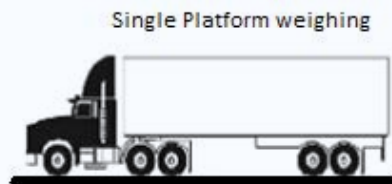
1. Portable weigh bridge of 7.5 x 3 or 9 x 3m platform with 6 load cells.
2. Excellent long term solution & repeatable accuracy. Supplied with Ramps.
3. Very sturdy and accurate - Bases are joined and even with high steel usage, its not movable
4. Portable easy to handle. Can be easily dismantled and shifted
5. Single platform weighing



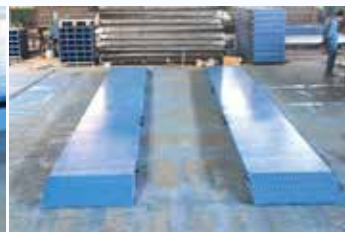
Touch Screen Indicator



Low profile Compression Load cell



Dual Track Portable Weighbridges



PORTABLE WEIGHING SYSTEM

Portable Multiplatform Weighbridges

Key Features:

1. Designed for multi draft weighing / axle weighing.
2. Different Platform sizes are made to suit the application as multi platform static/Axle Weighing & Portable weigh bridges.
3. Requires only levelled surfaces and not RCC foundations.
4. The weigh Bridge & controller with built in Printer can be shifted anywhere and used.
5. Each platform can be configured up to 40t Capacity and any permutation & combination of Vehicles can be weighed.
6. The Accuracy will be +/- 20Kg as Multi-platform Weigh Bridge. Axle weighing Accuracy +/- 40Kg.



Weighpad based concrete/bulk cement/flyash loading weighbridge

Key Features:

1. They do not require a Solid foundation as required by the standard weigh bridge.
2. Any Levelled concrete surface can accommodate these pads as weigh bridge.
3. In concreting operations, the vehicles plying have standard Wheel bases & no of axles and the Discharge Chute position is fixed. Hence you may make small pits of 40mm & place all the pads as per wheel centers. The vehicle will stand on these pads, the Indicator will tare of the vehicle & the Loading Starts.
4. The target weight can be set on the Indicator & the same will give a 4-20mA output for PLC control, for controlling the Loading operation.



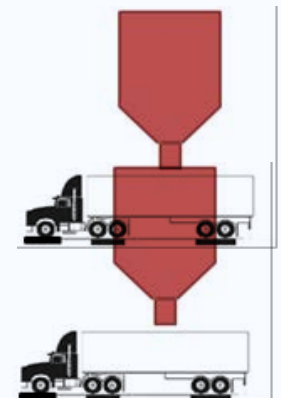
Heavy duty Weigh Pad
800 x 500 x 58mm



Indicator for Loading application
With 4-20mA Output



Installation of 700 x 430 x 35mm
Light Duty Weigh Pads



BELT SCALE

Conveyor Belt Weighing Scale

Key Features

- Fully electronic, no lever or parallelogram system.
- Idler brackets directly mounted on load cells
- Special design load cell mounting assembly for garland type idlers.
- Speed encoder with 1024 pulses per revolution for very accurate speed measurement.
- Compact controller, all surface mounted technology PCBs.
- As low as 20 Kg load cells for low flow rate belt weighing.
- Repeated long term accuracy of better than $\pm 0.5\%$ on fixed conveyors and 1-2% on mobile screening and crushing equipment including loco loco-tracks.
- Remote production monitoring – optional feature – by SMS or web, real time monitoring.
- Optional, Tamper Proof features.



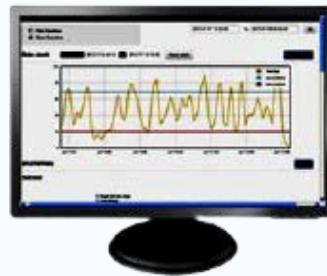
BELT SCALE

Monitoring Possibility

Remote WEB monitoring Possibilities



Laptop



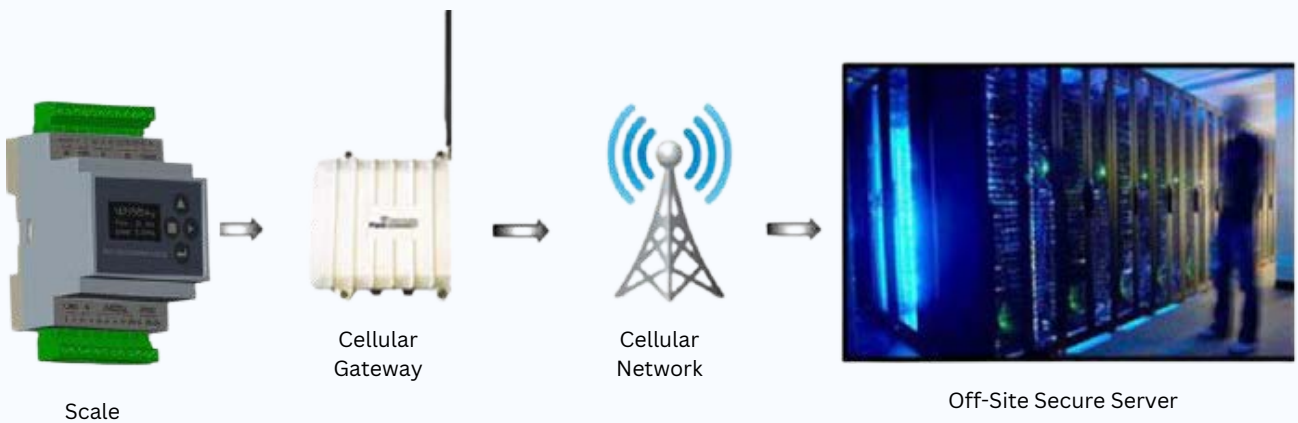
PC



Tablet



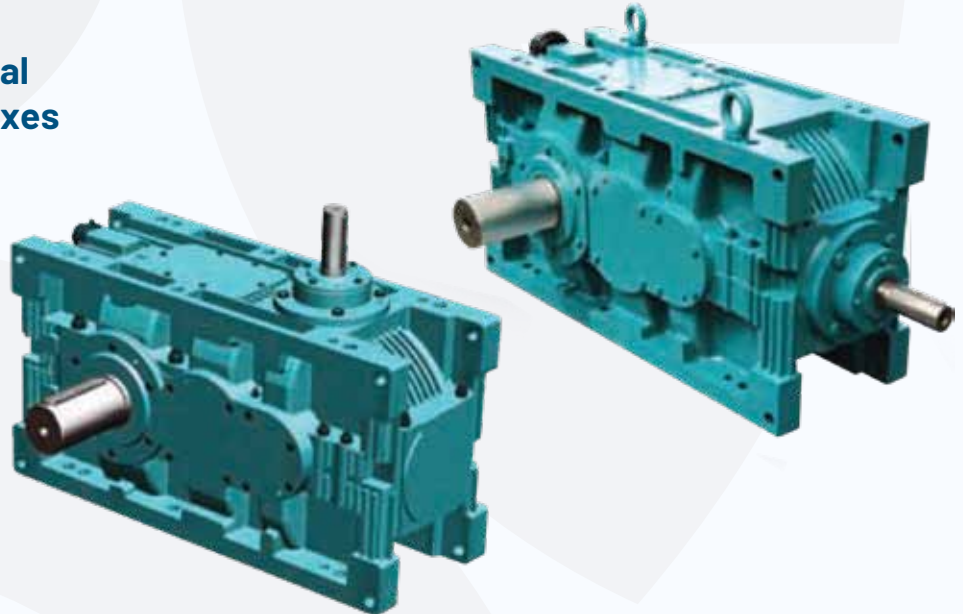
Smartphone



MATERIAL HANDLING EQUIPMENTS

GEARBOXES

EOS Series – Universal Mounting Helical and Bevel Helical Gearboxes



For more than 60 years Elecon has been gearing economies worldwide by supplying industries with our wide range of Power Transmission equipment. We have continuously strived to be a step ahead in technology by innovating and providing you with the most optimal solutions from our state-of-the-art facilities, keeping in mind the ever-changing requirements of the industry.

Elecon is now proud to present to you our next generation of industrial gearboxes featuring a variety of improvements such as higher torque ratings, better thermal capacities, universal mounting and wider range of accessories to enable adaptation to the most stringent requirements. Gearboxes are of split design to enable easy maintenance and are rated according to the latest DIN and AGMA standards.

Technical Specifications

Options	Helical (parallel shaft), Bevel Helical (right angle shaft), Compact – Bevel Helical (right angle)
Mounting Options	Horizontal, Vertical, Over-driven, Under-driven, Torque Arm
Input Power	Upto 4,825 KW
Output Torque	Upto 132,000 Nm
Gear Ratios	1.25/1 to 560/1
Output Shaft	Upto 190 mm diameter (Solid Shaft), Upto 220 mm diameter (Hollow Shaft)
Optional Features	Motor Adaptor, Integral Backstop, Shrink Disc, Torque Arm, Forced Lubrication System, Cooling Coil, Integral Fan, Integral Output Flange, Double Extended Shafts

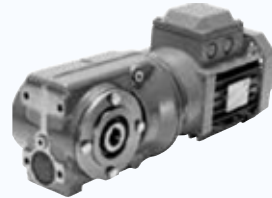
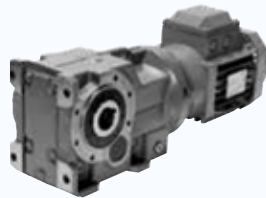
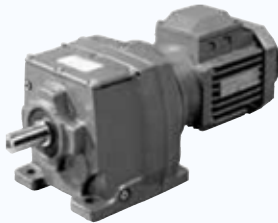
MATERIAL HANDLING EQUIPMENTS

EOS Series – Universal Mounting Helical and Bevel Helical Gearboxes



MATERIAL HANDLING EQUIPMENTS

GEARED MOTOR



SERIES M IN LINE HELICAL GEARED MOTORS AND REDUCERS

Proven design geared motors with dry connection between motor and gearbox for easy removal of the motor.

Unit Sizes:
01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 13, 14 and 16
Input Power:
Up to 160 kW *
Output Torque:
Up to 20,000 Nm
Gear Ratios:
3.6:1 to 58:1 in two stage, up to 16200:1 in combined form
Motor Sizes:
IEC Frames from 63 to 315

SERIES K RIGHT ANGLE HELICAL BEVEL HELICAL GEARED MOTORS AND REDUCERS

Key dimensions throughout the range are interchangeable with many manufacturers allowing easy installation into existing applications.

Unit Sizes:
03, 04, 05, 06, 07, 08, 09, 10, 12, 15 and 16
Input Power:
Up to 160 kW *
Output Torque:
Up to 33,000 Nm
Gear Ratios:
8.0:1 to 160:1 in three stage, up to 35000:1 in combined form
Motor Sizes:
IEC Frames from 63 to 315

SERIES C RIGHT ANGLE HELICAL WORM GEARED MOTORS AND REDUCERS

Available with Drywell System or maximum protection against oil contamination on vertical shaft mixing and aerating applications.

Unit Sizes:
03, 04, 05, 06, 07, 08, 09, and 10
Input Power:
Up to 45 kW *
Output Torque:
Up to 10,000 Nm
Gear Ratios:
8.0:1 to 250:1 in two stage, up to 60000:1 in combined form
Motor Sizes:
IEC Frames from 63 to 225

SERIES F PARALLEL SHAFT MOUNT HELICAL GEARED MOTORS AND REDUCERS

Available with market leader KIBO tapered bushing system to allow trouble free removal of hollow shaft and gearboxes.

Unit Sizes:
02, 03, 04, 05, 06, 07, 08, 09, 10, 11 and 12
Input Power:
Up to 110 kW *
Output Torque:
Up to 16,500 Nm
Gear Ratios:
5.0:1 to 100:1 in 2 stage, up to 5600:1 in combined form
Hollow shaft:
25 mm to 100 mm
Motor Sizes:
IEC Frames from 63 to 225

* Now available with compact motor option up to 7.5 kW, 4 pole execution.

THROUGH LIFE COSTS

Whether you use drive and linear motion systems in your plant production line, or are a machine builder wishing to offer your customer the most reliable machine possible, we recognise the importance of minimising through-life cost.

A combination of rugged reliability, providing maximum life span and user friendly design, enabling easy maintenance, ensures that the products we offer are easy to live with, giving you peace of mind and allowing you to focus on the important areas of your day to day business.

METAL DETECTOR

Model G210 Metal Detector



Description

The Model G210 is engineered for installation on conveyor belts carrying coal, minerals, aggregates, and other bulk materials. The model G2100 can be tuned to ignore conductive or magnetic ores such as magnetite and pyrite, even if they are carried by high tension, steel cord belts with rip detection loops, while still detecting small pieces of tramp metal. The model G2100 is available in nearly any belt width, and can be field adjusted to fit most standard conveyor configurations. An adjustable aperture allows the model G2100 to be modified for changing plant demands. The model G2100 is also available as a flat-pack under-belt style detector. Lightweight construction makes it easy to assemble and install without special tools, or the need to cut the belt, and the field replaceable, microprocessor based controls are easy to operate and maintain. A self-test circuit activates a fault light and dry contact to alert the operator if there ever is a problem with the controls, so you'll never have to wonder if your detector is operating properly.

Typical Applications

- **Aggregate:** Protects Impact Crushers
- **Asphalt:** Protects Impact Crushers
- **Mining:** Protects Impact Crushers
- **Wood Chip:** Protects Hogs and Impact Crushers
- **Waste Wood:** Protects Hogs and Impact Crushers

METAL DETECTOR

Features & Benefits

- **Single, Field Replaceable, Microprocessor based controls:** Simple to service & maintain with interchangeable boards
- **32 digit LED display with bar graph for metal signal indication:** Easy to read and operate
- **Self Test circuit with Fault Alarm indication:** Simplifies troubleshooting by automatically diagnosing problem
- **Function, Metal and Fault indication LEDs:** Ensures you always know the status of your metal detector
- **EEPROM Stored system parameters:** System settings can be swapped between boards, no need to re-program
- **3-level password protection:** Prevents unauthorized access to key settings and functions
- **Adjustable Frequency:** Frequency adjustment can eliminate airborne interference from motors, CB radios, and other external sources
- **Rugged Fiberglass Reinforced Plastic frame & Antennas:** Able to withstand the harshest environments
- **Three year warranty:** Ensures long life of reliable service
- **Swing away Transmitter Antenna with optional roughing guard:** Reduces the likelihood of damage from large lumps and over-burdens
- **Optional RS232 / RS485 serial link to PC with "Event" logbook & time stamp:** Tracks metal detector performance and allows output to a PC for data analysis and archiving

Why Mass?

Keeping production up and running is essential to your operation. Equipment damage caused by tramp metal not only costs you time and money in replacing damaged equipment, but most importantly it costs you production time. Mass Metal Detectors are designed to protect expensive crushers, grinders, saws and other downstream equipment from metallic contaminants while minimizing false trips. Mass offers a wide variety of detectors and sensitivities to choose from so you can be sure that you're getting the right detector for the application, all with a 2 year warranty. Manufacturing the most reliable metal detectors for bulk material handling is all we do, and with over 40 years experience, you can rely on the most trusted name in the industry.

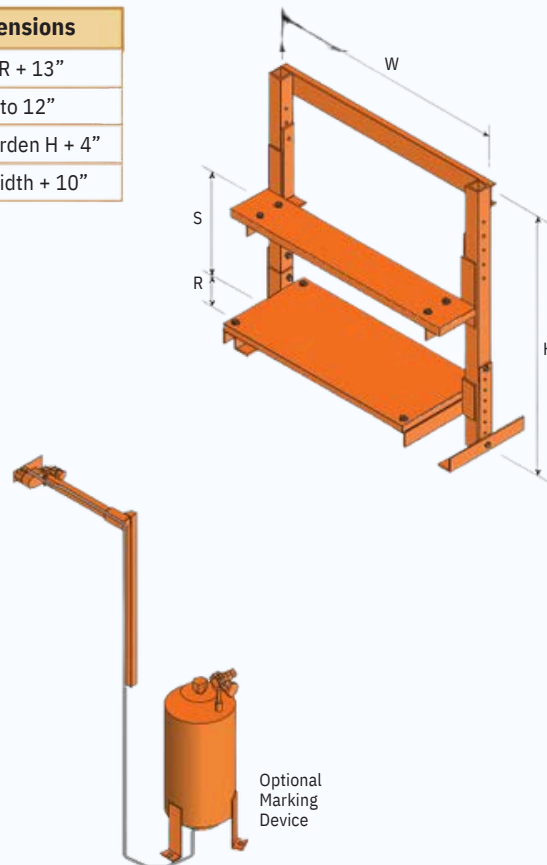
Product Specifications

Specifications	Values
Sensitivity Electronics	5% of Aperture height
Enclosure	Field replaceable Microprocessor based
Interconnecting Cable	NEMA 4 (IP65) standard (NEMA 4X, 7, 9 available)
Construction	25 feet (7.6m) standard
Input Voltage	Fiberglass Reinforced Plastic frame with reinforced fiberglass antennas.
	110/220 VAC, 1ph, 50/60Hz
Power Required	No Output Load – 35 Watts Max. Output Load – 990 Watts Direct Output (Metal Detect) – Dry Contact (SPDT) Rated 250VAC, 3A
Outputs	Timed Output (Metal Detect) – Dry Contact (SPDT) Rated 250VAC, 3A Fault Output – Dry Contact (SPDT) Rated 250VAC, 3A
Operating Temperature	14° to 120°F (-10° to +50°C) (Extended temperature ranges available on request)

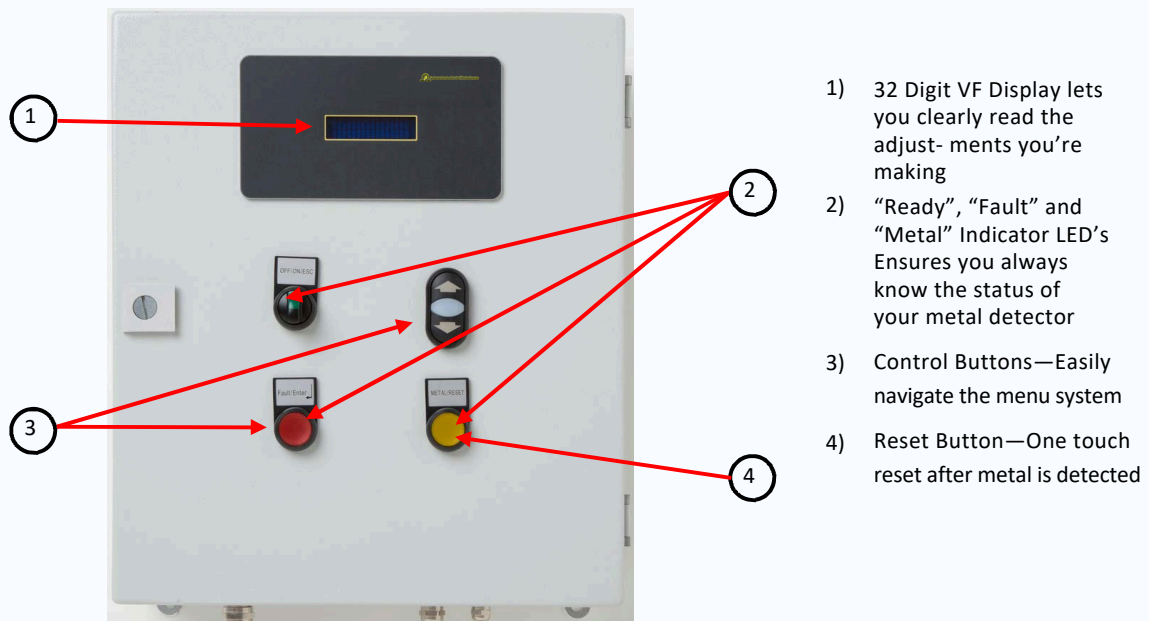
Product Drawing

Letter	Dimensions
H	S + R + 13"
R	3" to 12"
S	Max. Burden H + 4"
W	Belt Width + 10"

All dimensions in inches



METAL DETECTOR



- 1) 32 Digit VF Display lets you clearly read the adjustments you're making
- 2) "Ready", "Fault" and "Metal" Indicator LED's Ensures you always know the status of your metal detector
- 3) Control Buttons—Easily navigate the menu system
- 4) Reset Button—One touch reset after metal is detected

FEATURES & BENEFITS

- Trip and Totalizing Counters: Tracks number of metal pieces with each detection, and total number of detections over time
- Logbook : Records date, time, and strength of signal of metal detections, power on/off, and other detector events. Can be output to PC for analysis and archiving
- Adjustable Frequency: Frequency adjustment can eliminate airborne interference from motors, CB radios, and other external sources
- Flexible Design: Terminal strip for making interface connections and custom wiring options. Programmable output allows for direct control of marking devices, and metal reject systems
- 3 year warranty: Ensures long life of reliable service

Specifications	Values
Electronics Enclosure	Field Replaceable Solid State Electronics
Input Voltage	NEMA 4 (IP65) std. (4X, 7/9 available)
	Automatic switching—110-240VAC, 50-60Hz
Outputs	Direct Output (Metal Detect) – Potential Free (rated 5A @ 240VAC) Timed output (Metal Detect) - Potential Free (rated 5A @ 240VAC) (Programmable delay and duration time 0-30s ec) Fault Output— Potential Free (rated 5A @ 240VAC)
Power Requirements	No Output Load—190 Watts Max Output Load—850 Watts
Operating Temperature	-40° to 120° F (-40 to +50° C) - Extended temperature ranges on request

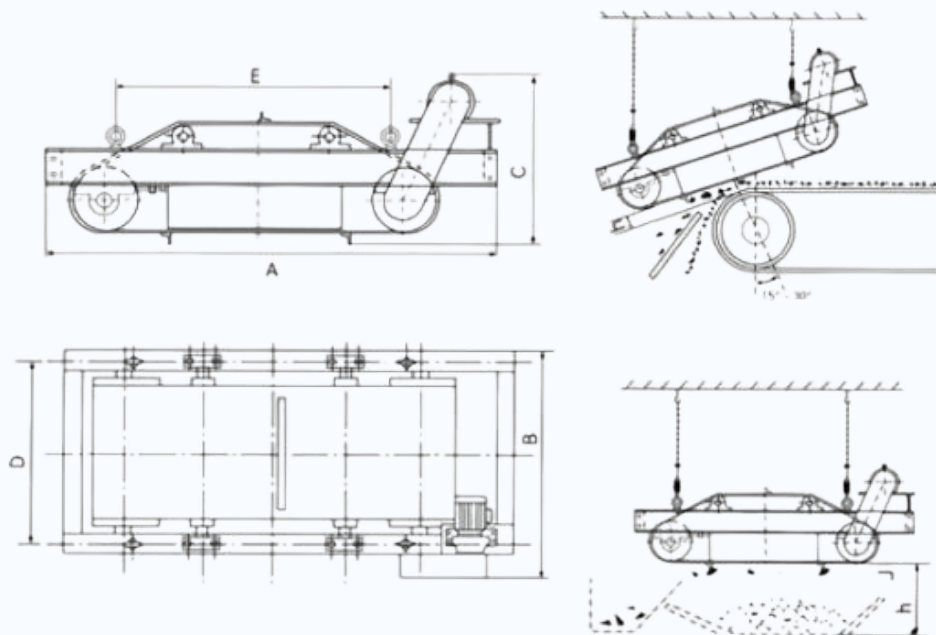
MAGNETIC SEPARATOR

A must for separation of tramp iron pieces and for avoiding interruption and damage to major equipment in the process plants like Coal handling Plants of Thermal Power Stations, Cement and Sugar Industry, Foundries, Fertilizers & Chemicals Industries, Food and Plastic Industries etc.

Mass magnets are available in copper/aluminium coil winding with F/H Class insulation and suitable for belt width ranging from 400 mm to 2000 mm, operating heights upto 700 mm with lifting capacity of steel ball of diameter 25 mm and above with maximum weight of 50 Kgs depending upon shape and size of tramp iron pieces.



Mass Self Cleaning Magnetic Separator



MAGNETIC SEPARATOR

Self-Cleaning Permanent Magnetic Separator

Application :

For cement, thermal power plant, metallurgy, mining, chemical, paper making and coal industry, etc.

Features:

- Employing the computerized simulating design for magnetic field.
- With perfect double magnetic poles, drum shape compact structure, automatic belt-off-correct.
- To remove scrap iron in thick material layer continuously.
- Easy maintenance, low power consumption, low noise
- Optional magnetic force at SHR:500Gs, 700Gs, 900Gs, 1200Gs, 1500Gs or more.

Permanent Magnetic Iron Separator

Application :

For different kinds of working conditions, especially for removing the iron scrap from various material during the processing of conveying.

Features:

- Computerized simulating magnetic field circle design and perfect double magnetic poles structure.
- Manual cleaning, with high performance and convenience operation.
- Optional magnetic force at SHR:500Gs, 700Gs, 900Gs, 1200Gs, 1500Gs or more.

Self-Cleaning Permanent Magnetic Iron Separator

Application :

For cement, thermal power plant, metallurgy, mining, chemical industry, glass, paper making, coal industry and so on.

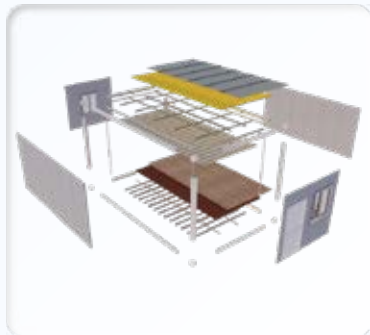
Features:

- Computerization imitation with perfect pole structure and the magnetic force is strong.
- With high magnetic field, and gradient.
- With strong magnetic force, not easy demagnetize, demagnetization can be less than 5% in 8 years.
- Automatically iron-cleaning and work in long period without malfunction.
- Optional magnetic force at SHR: 500Gs, 700Gs, 1200Gs, 1500Gs or more.

CONTAINER HOUSE/OFFICE FLAT OFFICE/ COMPANY/ MINING CAMP SOLUTIONS

SUMMARY

DETACHABLE CONTAINER HOUSE



SIZE:

5950*3000*2800mm

FLAT PACK CONTAINER HOUSE



SIZE:

5900*2438*2896mm

FOLDING CONTAINER HOUSE



SIZE:

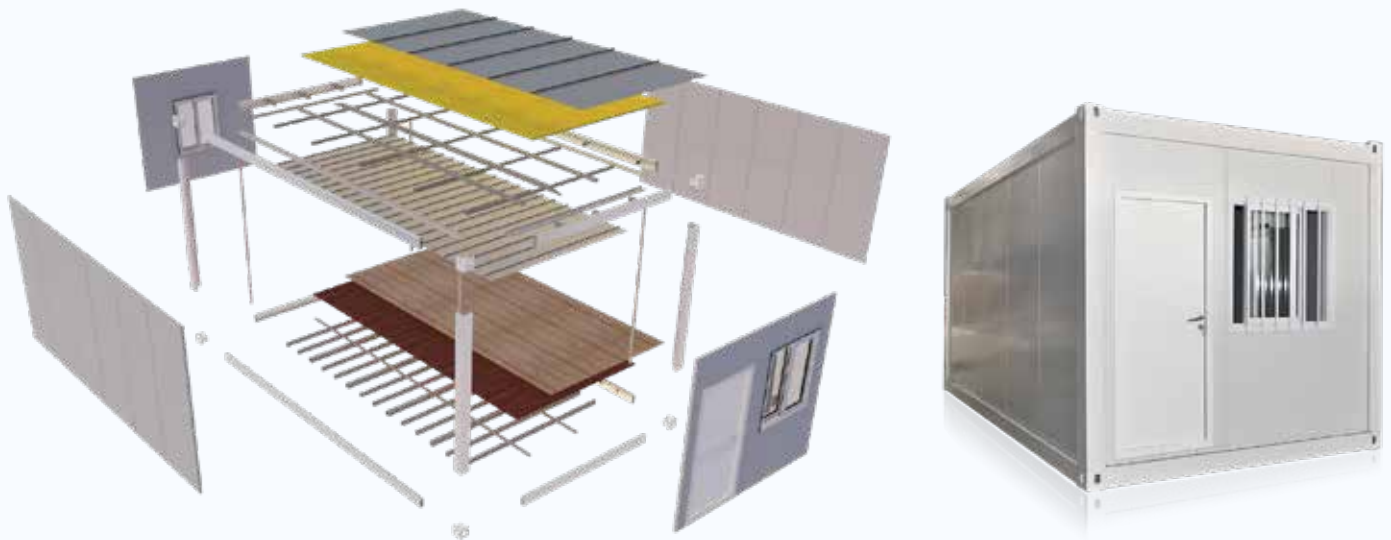
5800*2480*2500mm

PARAMETER COMPARISON

ITEM	DETACHABLE CONTAINER HOUSE	FLAT PACK CONTAINER HOUSE	FOLDING CONTAINER HOUSE
EXTERNAL SIZE L*W*H	5950*3000*2800mm	5900*2438*2896mm	5800*2480*2500mm
SHIPPING CAPACITY ONE 40'HQ SHIPPING CONTAINER	★★★★★ 11 Units	★★★★★ 8 Units	★★★★★ 12 Units
INSTALLATION SPEED 24 UNITS / 3PERSON	★★★★★ 8 days	★★★★★ 6 days	★★★★★ 1 day
STABILITY	★★★★★	★★★★★	★★★★★
SCALABILITY	★★★★★	★★★★★	★★★★★
CUSTOMIZE	★★★★★	★★★★★	★★★★★

CONTAINER HOUSE/OFFICE FLAT OFFICE/ COMPANY/ MINING CAMP SOLUTIONS

DETACHABLE CONTAINER HOUSE



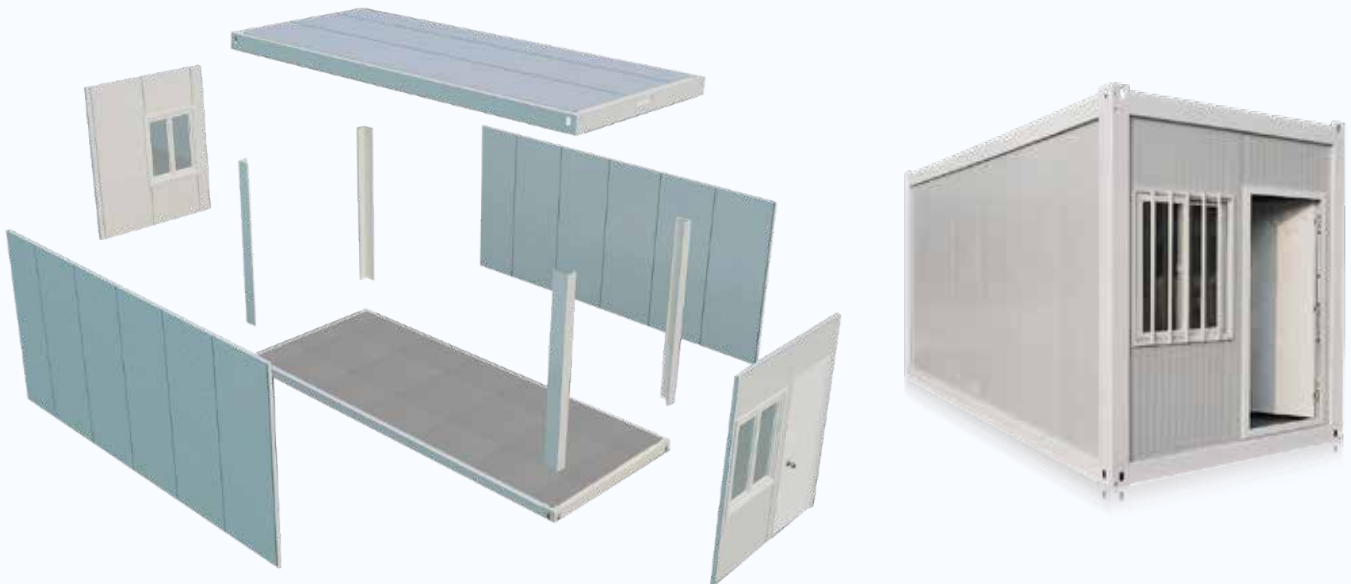
DIFFERENT PARTS OF STEEL FRAME

DETACHABLE CONTAINER HOUSE

	Roof Purlins	Floor Purlins	Corner Joint	Wall Panel	Window
BASIC	 THK:1.2mm 40x60mm / 2 pics 40x80mm / 3 pics	 THK:1.2mm 80x80mm / 4 pics 40x80mm / 5 pics	 160x160mm	 50mm Rock Wool +0.3mm PPGI	 Single Stalinite Glass Plastic Steel Window
STANDARD	 THK:1.2mm 50x50mm / 2 pics 40x60mm / 2pics 40x80mm / 1 pic	 THK:1.5mm 80x80mm / 4 pics 40x80mm / 5 pics	 160x160mm	 50mm Rock Wool +0.3mm PPGI	 Double Stalinite Glass Plastic Steel Window
PREMIUM	 THK:1.2mm 40x80mm / 6pics 40x60mm / 2pics	 THK:1.5mm 80x80mm / 4 pics 40x80mm / 10 pics 30x50mm / 30pics	 160x160mm	 50mm Rock Wool +0.4mm PPGI	 Double Stalinite Glass Bridge-cutoff Aluminum Alloy



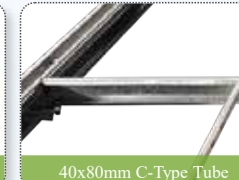
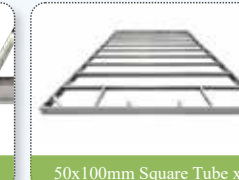




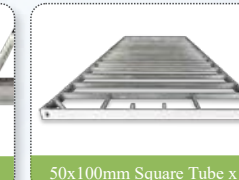






CONTAINER HOUSE/OFFICE FLAT OFFICE/ COMPANY/ MINING CAMP SOLUTIONS

FLAT PACK CONTAINER HOUSE



DIFFERENT PARTS OF STEEL FRAME

FLAT PACK CONTAINER HOUSE

	Corner Joint	Column	Roof Purlins	Floor Purlins	Floor Beam
BASIC	 160x160mm	 160x160x2526mm	 40x80mm C-Type Tube	 50x100mm Square Tube x 9	 Basic Beam
STANDARD	 160x160mm	 160x160x2526mm	 40x80mm C-Type Tube	 50x100mm Square Tube x 14	 Basic Beam
PREMIUM	 150x210mm	 150x210x2526mm	 40x80mm Square Tube	 50x100mm Square Tube x 14	 Upgrade Beam













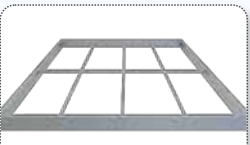


CONTAINER HOUSE/OFFICE FLAT OFFICE/ COMPANY/ MINING CAMP SOLUTIONS

FOLDING CONTAINER HOUSE



DIFFERENT PARTS OF STEEL FRAME

FOLDING CONTAINER HOUSE

	Floor Frame	Floor Purlins	Roof Frame	Folding Beam	Hinge
BASIC	 <p>SIZE:140x60mm THK:1.2mm Square Tube</p>	 <p>SIZE:40x40mm THK:1.3mm Square Tube x 9</p>	 <p>SIZE:30x50mm THK:1.3mm Square Tube</p>	 <p>37x60mm P-Shape Steel</p>	 <p>THK:1.7mm Galvanized Steel</p>
STANDARD	 <p>SIZE:160x80mm THK:1.5mm Square Tube</p>	 <p>SIZE:40x40mm THK:1.5mm Square Tube x 9</p>	 <p>SIZE:40x40mm THK:1.5mm Square Tube</p>	 <p>40x80mm S-Shape Steel</p>	 <p>THK:1.7mm Galvanized Steel</p>
PREMIUM	 <p>SIZE:170x50mm THK:2.5mm Shape Steel</p>	 <p>SIZE:50x100mm THK:1.5mm Square Tube x 9</p>	 <p>SIZE:50x100mm THK:1.5mm Square Tube</p>	 <p>50x100mm S-Shape Steel</p>	 <p>THK:5mm Galvanized Steel</p>

CONTAINER HOUSE/OFFICE FLAT OFFICE/ COMPANY/ MINING CAMP SOLUTIONS

SANDWICH PANEL

STANDARD OPTIONS

ADDITIONAL UPGRADE OPTIONS



OR



EPS PANEL

ROCK WOOL PANEL

PU SEALED ROCK WOOL PANEL

PU PANEL

EPS sandwich and rock wool sandwich options can meet most using environments. If you have special requirements, PU sealed rock wool panel or PU panel can be recommended for your upgrade options.

WALL PANEL COMPARISON



ITEM

EPS PANEL

ROCK WOOL PANEL

PU SEALED ROCK WOOL PANEL

PU PANEL

ITEM	EPS PANEL	ROCK WOOL PANEL	PU SEALED ROCK WOOL PANEL	PU PANEL
WATERPROOF	★★★★★	★★★★☆	★★★★☆	★★★★★
FIREPROOF	★★★★☆	★★★★★	★★★★★	★★★★☆
HEAT INSULATION	★★★★☆	★★★★☆	★★★★☆	★★★★★
SOUND INSULATION	★★★★☆	★★★★☆	★★★★☆	★★★★★
COST-EFFECTIVE	★★★★★	★★★★★	★★★★☆	★★★★☆

ELECTRIC WINCHES



**15 TON
ELECTRIC WINCHES**

ELECTRIC WINCHES

15 TON ELECTRIC WINCHES TECHNICAL DATA

MODEL	15 TON ELECTRIC WINCH MACHINE
BASE FRAME	Fabricated with rolled steel section/plates properly ribbed floored with plate for working area with lifting lugs provided. Weight=2200 KG, Frame Size = 2050 mm x 2536 mm IS MB Size = 250mm x 125mm.
ROPE DRUM	Drum fabricated with seamless pipe duly machined with flange at both and with roller bearing on both flange. DRUM CAPACITY:- 300/500 meters, WIRE ROPE :- 25mm/28mm OR EVEN MORE
REDUCER	1st Stage HELICAL gear box. 2nd Stage Reduction with spur gear and pinion (Size of Gear Box HC 550). Ratio = 1:50
MOTOR	TEFC SQ. Cage 40 H.P / 50 H.P Crane Duty Motor 400/415V, 50Hz, 3PH. Class of insulation F, IP- 55 Protection, S4Duty, CDF 40%. No of Start Stop 150 per hour CGL/ABB MAKE
DRUM & PINION SHAFT	Make of EN8 forged steel material.
ROPE SPEED	4 - 6 Meters / minutes at last layer OR even more.
BRAKE	Electro hydraulically operated Double shoe thruster brake. 1) Dia of brake:-300mm. OR 2)DIA OF BRAKE:-200
COUPLING	Star coupled on motor shaft and input shaft gear box flexible pin bush coupling on out shaft of gear box and input shaft of pinion.
CONTROL	The winch is operated by master control with four Steps forward and reverses in slip ring motor. In sq. cage motor is operated by reverse forward pendent push button station.
CONTROL PANEL	Control panel suitable for motor provided with contactor, overload relay, amp/volt meter, Push Button for on and off, lamp for incoming supply, HRC fused & Step Down Transformer and control panel is weather proof.
PAINTING	Two coats of red oxide and enamel Paint.
SAFETY FEATURES	Hand operated brake for emergency stop provided. Overload tripping system for motor. HRC fuse, Miniature Circuit Breaker & Step Down Transformer for safety of the operating personal and control panel is weather proof.

Note: Resistance box and master controller is applicable only in slip ring motor.

STATIONARY SAMPLING SYSTEM

Benefits:

1. Cost-effective sampling solution.
2. Easier to install than other sampling equipment.
3. Incorporates the belt contouring system for correct sample extraction.
4. Multiple duty class designs are available, including standard-duty, heavy-duty, and extreme-duty.
5. Designs suitable up to 10,000 tph are available.
6. Standard electro-mechanical drives and brakes with other heavy-duty drive and braking options are available.
7. Multiple access ports to inspect and maintain all working components.
8. Robust design intended for long-term reliability in harsh applications.

Model of Cross belt Sampler :

Belt Size	Touching Angle	Power Requirement	Model
650 mm	20°	1,5 KW	REI6520
	30°	1,5 KW	REI6530
	35°	1,5 KW	REI6535
	45°	1,5 KW	REI6545
800 mm	20°	3,7 KW	REI8020
	30°	3,7 KW	REI8030
	35°	3,7 KW	REI8035
	45°	3,7 KW	REI8045
1000 mm	20°	5,5 KW	REI10020
	30°	5,5 KW	REI10030
	35°	5,5 KW	REI10035
	45°	5,5 KW	REI10045
1200 mm	20°	7,5 KW	REI12020
	30°	7,5 KW	REI12030
	35°	7,5 KW	REI12035
	45°	7,5 KW	REI12045
1400 mm	20°	7,5 KW	REI14020
	30°	7,5 KW	REI14030
	35°	7,5 KW	REI14035
	45°	7,5 KW	REI14045
1600 mm	20°	9,5 KW	REI16020
	30°	9,5 KW	REI16030
	35°	9,5 KW	REI16035
	45°	9,5 KW	REI16045
1800 mm	20°	11 KW	REI18020
	30°	11 KW	REI18030
	35°	11 KW	REI18035
	45°	11 KW	REI18045
2000 mm	20°	11 KW	REI20020
	30°	11 KW	REI20030
	35°	11 KW	REI20035
	45°	11 KW	REI20045



REXCHAIN

Extensively used by

- ▶ STEEL PLANTS
- ▶ CEMENT PLANTS
- ▶ FERTILIZER PLANTS
- ▶ SUGAR INDUSTRY
- ▶ CHEMICAL PLANTS
- ▶ MINING INDUSTRY
- ▶ TIMBER INDUSTRY
- ▶ AUTOMOBILE INDUSTRY
- ▶ PALM OIL INDUSTRY
- ▶ FOOD INDUSTRY
- ▶ OIL RIGS



PRODUCT WE MANUFACTURE



FOR FOOD INDUSTRY



LEAF CHAIN



REDLER SCRAPER CHAIN



SUGAR INDUSTRY CHAIN

REXCHAIN

PRODUCT WE MANUFACTURE



PUSHER CAM CHAIN



SPECIAL PURPOSE CHAIN



RECLAIMER SCRAPER CHAIN



RECLAIMER SCRAPER CHAIN



HEAVY DUTY SHOVEL CHAIN



HAULAGE CHAIN FOR ROPEWAY

REXCHAIN

PRODUCT WE MANUFACTURE



Segmental thooth Sprocket Rim



Sprocket for eight strands roller chain



TOP PLATE CHAIN FOR HOTMILL



A-2 ATTACH. CON./ELEV. CHAIN



Drive Sprocket for Conveyor



Drive for Bucket Elevator



REXBLAZE

Bespoke weighing systems for the railway, mining, roads & aviation industries

MINING PRODUCT CATALOGUE



INFINITY

LOW OR HIGH SPEED TRAIN WEIGHING SYSTEM

REX BLAZE



INFINITY 'LS' - Low Speed weighing up to 15km/h:

The Weigh In Motion Infinity – 'LS' weighbridge system is the ideal low speed (up to 15 km/h) solution for mine loadouts, industrial plants, cement plants, power stations, steel mills etc.

It consists of 2 electronic weigh sleepers & 4 dummy sleepers braced together forming one solid structure, including accessories, control cabinet and a PC with train weighing software providing the operator axle, bogie and wagon weight data in real time.

This unique train weighing system enables the loading operator to regulate the filling so that the wagons are not overloaded. Train weighing results can be accessed from any location via internet.

INFINITY 'HS' - High Speed weighing up to 80km/h:

The High Speed Weigh In Motion Infinity - 'HS' is capable of train weighing up to 80 km/h, dependent on track/site conditions, test train and rolling stock. The system consists of 6 electronic weigh sleepers & 12 dummy sleepers braced together, including accessories same as 'LS' model.

Installation of the Infinity 'HS' and 'LS' train weighing system takes approximately 1 ~ 3 days and can be done between trains, timing dependant. Concrete foundation or civil works are not always required, however this is greatly dependent upon site conditions.

BENEFITS:

- Actual reliable proven load cell based system
- No rail cutting, welding or grinding required
- Minimal installation / repair track down time
- User friendly
- Approx. 30 mins to change parts
- Temperature compensated

TECHNICAL DATA

Capacity	37.5t per Axle (can be upgraded to 50t per Axle)
Accuracy	± 0.5% - 2% wagon approx. ± 0.25% - 0.5% total train approx..
Operating Temperature	-10 - +80 (in-track equipment only)
Transit Speed	Unlimited (Approval by rail authority)
Voltage	24V DC / 110V - 250V AC
Data Transmission	TCP / IP

LS
LOW SPEED = 0.1 TO 15KM/H
(0.06 TO 9MPH)

HS
HIGH SPEED = 0.1 TO 80KM/H
(0.06 TO 50MPH)

*NOTE: Speeds & accuracies depend on site conditions & vehicle operator.



INFINITY in transport boxes



Assembled INFINITY



INFINITY under the track



Installation of INFINITY 'LS' weighing system
in curved track *(up to 5km/h)



STATIC or IN MOTION
MOBILE TRAIN WEIGHER
"TAKE THE SCALE TO THE TRAIN"



The MTW is a train weighing system that can be used to weigh and spot check a rail vehicle anywhere anytime stationary or in motion. It offers one of the world's most convenient, safe & accurate train weighing solutions.

The MTW design incorporates a chassis arrangement with an integrated loadcell and this design means weight is applied directly to the loadcell and not through the rail.

The advantage of weighing axle by axle is that there is no restriction with regards to wagon type. The MTW is factory pre-calibrated so that no transport of test weights are required.

FEATURES:

- User friendly
- Loadcell based system
- Four easy steps to install (2 men - approx 15 minutes)
- Transportable in the boot of a car, suv or train cabin
- Individual wheel weights can also be obtained
- Wheel, axle, bogie and vehicle weight
- Multiple MTW's can be combined together
- Fits all recognised rail gauges
- Instant printout and / or download to PC

BENEFITS:

- Approx. 15 mins track downtime during installation
- No costly civil works required
- Battery operated or mains power
- Simple operation

4 Easy steps to install:



1. Measuring the height to determine packer size



2. Attaching the Rail Shoe



3. Inserting the MTW into the track and expanding the system via the threaded support poles



4. Connecting the cables, wireless option also available



Battery operated digital readout printer in robust carry case

TECHNICAL DATA

Length	560 ~ 600 ~ 656mm
Power Supply	240V AC / 12V internal battery
Materials	High quality tool and mild steel
Capacity (max)	17.5t / wheel, 35t / axle
Increment size	0.02t
Protection class	IP-67 / IP-65
Temperature	-20 - +70
Mounting	Rail shoes to fit rail type
Installation time	Approx. 10 - 15 mins (2 men)
Accuracy	
Static:	± 0.5% (Subject to good track condition and rolling stock)
In Motion:	2 - 3% - Less than 1% under ideal conditions

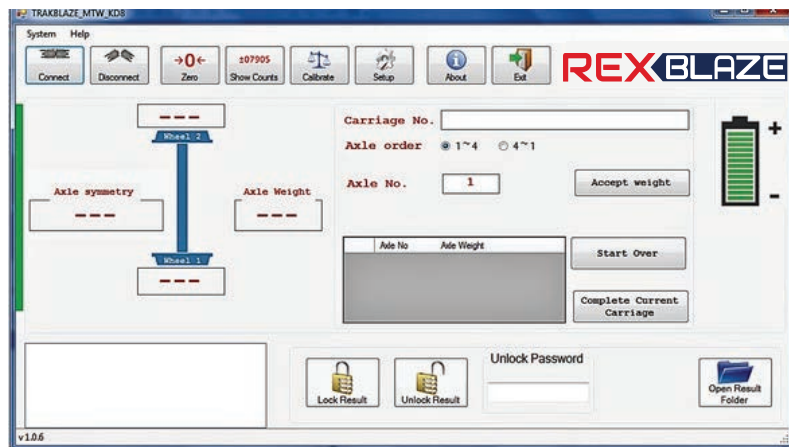
*NOTE: Speeds & accuracies depend on site conditions & vehicle operator.



MTW secure storage/transport box

A/N	Wheel 1	Wheel 2	Axle Total	WC	km/h
Locomotive					
F	5350 kg	5850 kg	11200 kg	0	4.7
F	5350 kg	5850 kg	11200 kg	0	4.5
F	5350 kg	5850 kg	11200 kg	0	4.3
F	5350 kg	5850 kg	11200 kg	0	4.3
F	5350 kg	5850 kg	11200 kg	0	4.2
F	5350 kg	5850 kg	11200 kg	0	4.2
Wagon 1					
1	5350 kg	5850 kg	11200 kg	0	4.4
2	5350 kg	5850 kg	11200 kg	0	4.3
3	5350 kg	5850 kg	11200 kg	0	4.2
4	5350 kg	5850 kg	11200 kg	0	4.3
			44800 kg		
					Total wagon weight 44800 kg

Sample of Printout from built in printer



Customised PC software (optional) displays and records all the weight data



MTW Kit

- CONSISTS OF (single base unit)
- 2 x loadcells
 - 2 x scale main bodies
 - 1 x set of shoes (to suit nominated rail type)
 - 1 x set of spacer poles
 - 1 x height measuring gauge
 - 1 x weight indicator & printer housed in carry case
 - 1 x set of height packers
 - 1 x battery charger
 - 1 x spanner
 - 1 x cable set
 - 1 x operation manual

FORCE 1

The World's Toughest Axle Weigher

REXBLAZE

INSTALL IN 1 DAY!
WEIGH A TRUCK IN 15 SECONDS!



THE SMART WEIGHBRIDGE MANAGEMENT SYSTEM

UP TO
10 KM/H WEIGHING SPEED

±**0.5** % IN-MOTION ACCURACY*

±**0.05** % STATIC ACCURACY*

SAVE TIME & MONEY by weighing on the go and eliminating the need for traditional weighbridges which consume valuable yard space, are expensive & can take approx. 1 week to install.

The unbeatable FORCE STATIC or IN MOTION truck scale is designed to endure the world's most challenging of transport environments, whilst addressing high accuracy. Increase your production and overall profit by quickly measuring consistent accurate loads as well as addressing the maintenance risks associated with overloading. Note: A truck may be correct weight but the axles overloaded. FORCE 1 can identify this problem.



NOTE: These are the same electronics & software used in our high speed trade approved train weighing systems, hence the FORCE™ 1's unmatched speed & accuracy.

- Unmatched Speeds up to approx. 10kph
- Unmatched Accuracies at approx. ± 0.05%
- User-friendly Software
- Latest Electronic Technology
- Robust Compact Design
- Minimal Civil Works Required
- IP-65 Rating
- Relocatable



TECHNICAL DATA

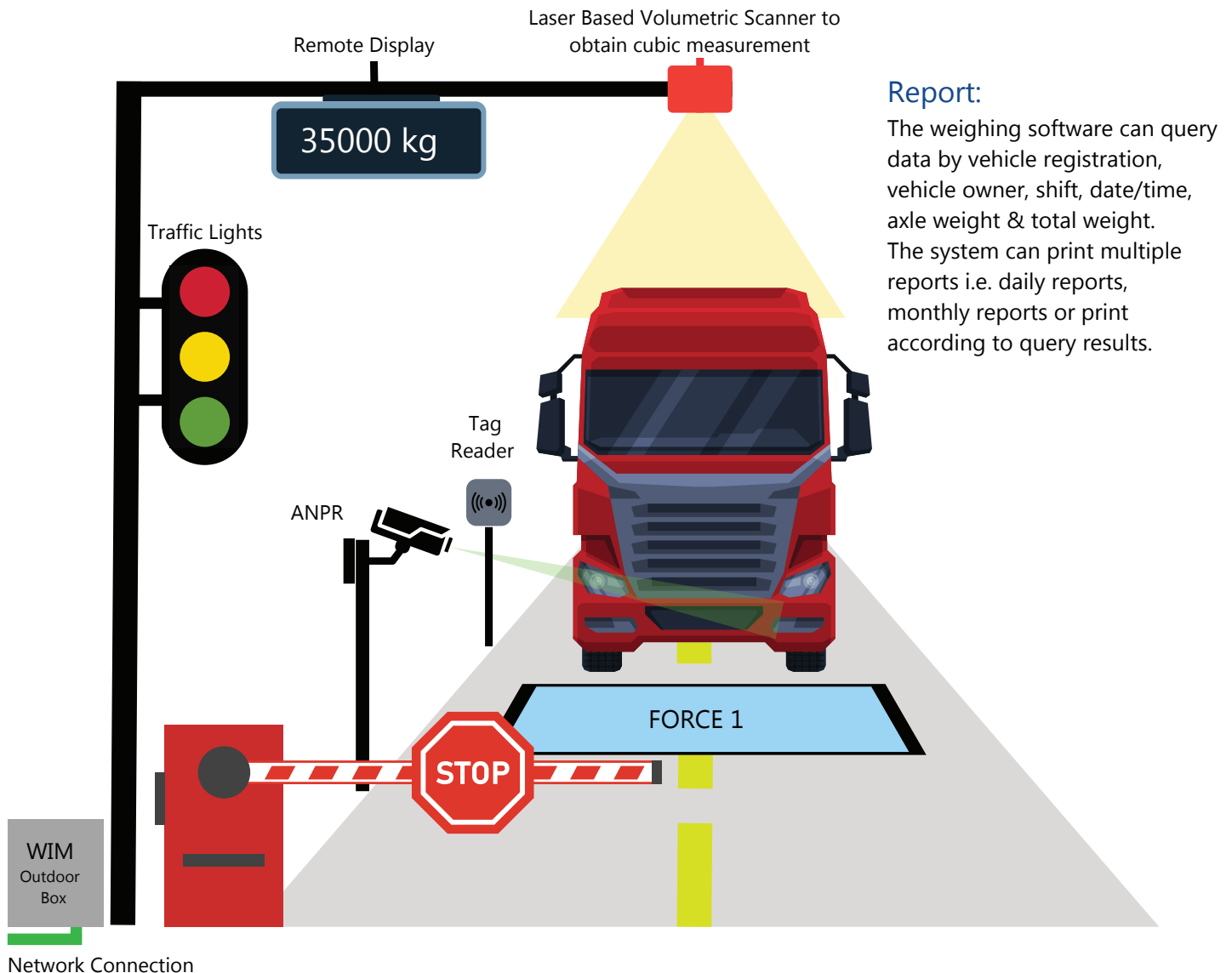
Capacity:	30t per Axle (non trade approved)
Dimensions:	3060mm(W) x 1160mm(L) x 250mm(H) - nominal
Static Accuracy:	Approx. $\pm 0.05\%$ GVM (depending on site conditions)
Dynamic Accuracy:	Approx. $\pm 0.5\%$ GVM (depending on site conditions)
Voltage:	110 - 240 VAC
Available options:	<ul style="list-style-type: none"> • Remote LED Display/s • Automatic Number Plate Recognition (ANPR) Camera • Traffic Lights stop/go • Automatic boom gate • VMS Volumetric Scanner • RFID Tag reader

Features:

- Monitor fleet movements
- Co-ordinate between warehouses
- Increased efficiency of the supply chain
- Customised to suit customers specific work processes
- Manned or Automatic Operation

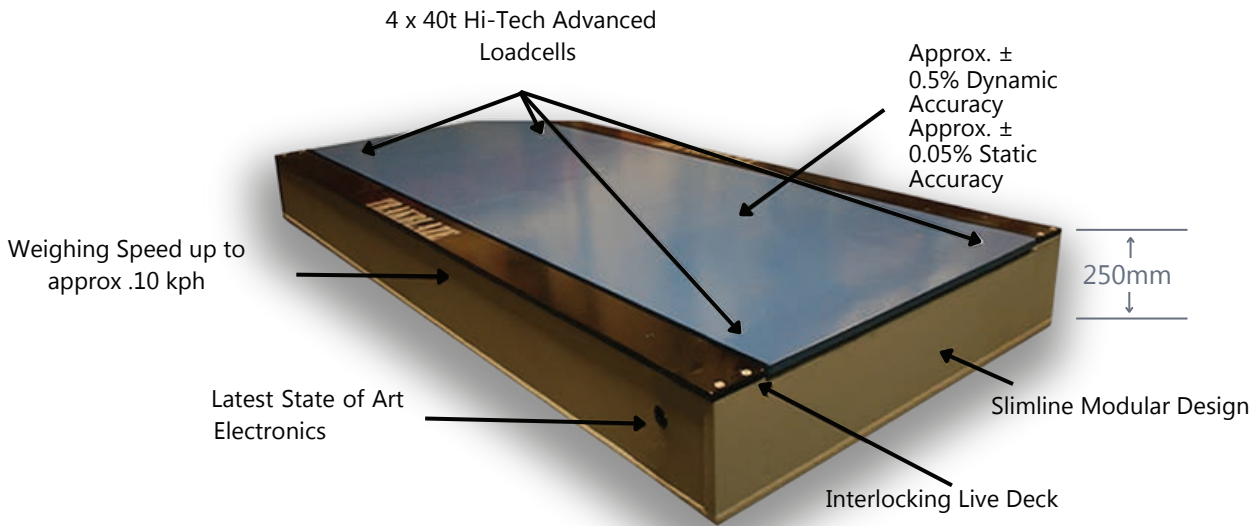
*NOTE: Speeds & accuracies depend on site conditions & vehicle operator.

System Overview & High-Level Design



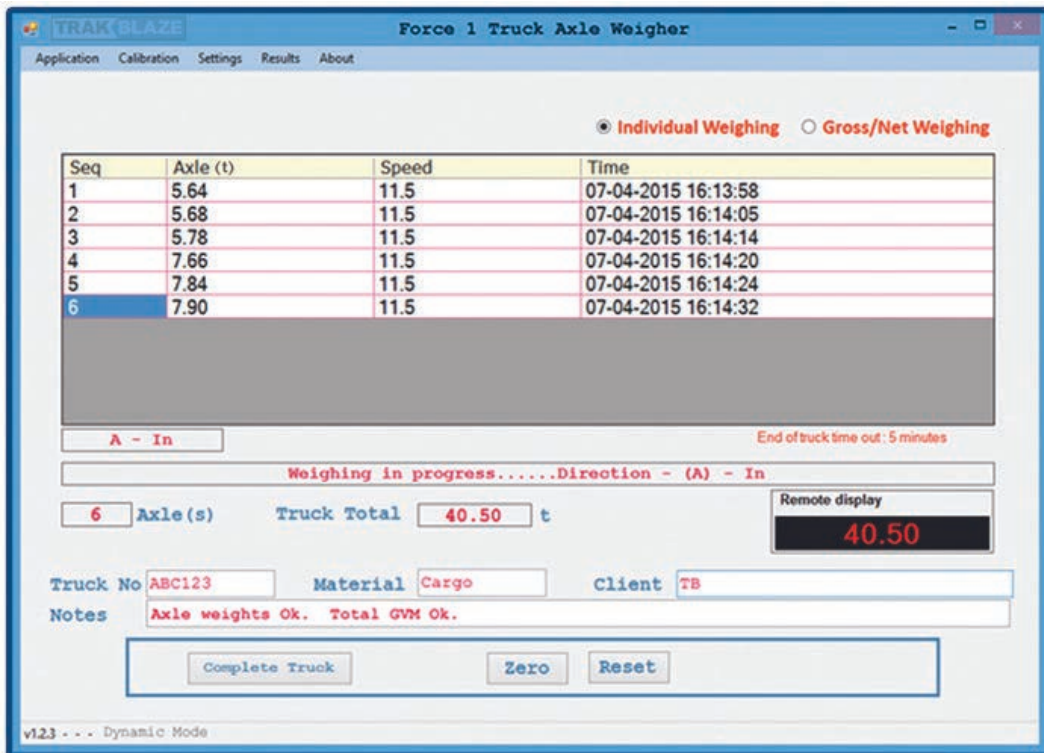
Report:

The weighing software can query data by vehicle registration, vehicle owner, shift, date/time, axle weight & total weight. The system can print multiple reports i.e. daily reports, monthly reports or print according to query results.



Static/Dynamic Controller - PC Software

The FORCE 1 Transport system features a Rexblaze Static/Dynamic Controller with direct ethernet capabilities interfaced to your workplace PC, laptop or a handheld device.



FORCE 1 - User Friendly & Reliable Software

The PC is preloaded with Rexblaze's user-friendly proven and reliable software.

The total truck weight is then derived from the summation of the individual axle loads and displayed on the PC interface and external remote LED display whilst also printed out for log books or archiving. Alternatively, for dusty or challenging environments the FORCE 1 controller can be upgraded to a rack/wall mounted rittal enclosure turnkey.

Whatever your workplace or challenging environment is, the FORCE 1 system and Rexblaze have the bespoke solutions to ensure your loads are weighed with unbeatable speed, reliability and accuracy.

FORCE 2 & 4

REXBLAZE

Proven To Be The World's Toughest Mining Truck Scale



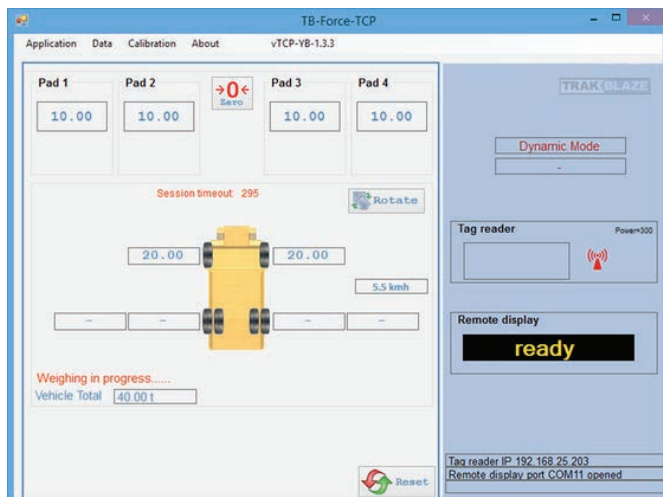
The range of FORCE portable and fixed mining dump truck scales are the ultimate in weighing technology for off road heavy haulage applications. Each system is designed to optimise accuracy and built to last! FORCE can be a fixed or portable mobile system made up of a combination of 2 or 4 individual weigh pads and measure the load on each wheel axle group and the total weight of a dump truck. The modern modular design enables the FORCE to be configured to weigh any make and model of mining haul truck.



FORCE 2 mining truck scale

In addition the FORCE series can even monitor your employees travel and productivity times (optional).

Features either a touch screen PC controller mounted in a weatherproof enclosure or a PC based rack system loaded with Rexblaze's proven and reliable user friendly software. The total truck weight is then derived from the summation of the individual wheel and axle loads and displayed on the PC interface.



Software



PC based controller with built-in printer in carry case
Approx. dimensions 58cm x 45cm x 28cm

FORCE 2 TECHNICAL DATA

Nominal Pad Size L x W x H	200cm x 150cm x 25cm
No. of Pads	2
Load Cell Type	40t - Analogue
No. of Cells per Pad	4
Individual Pad Capacity	50t
Total Axle Capacity	100t or 200t

FORCE 4 TECHNICAL DATA

Nominal Pad Size L x W x H	300cm x 200cm x 30cm
No. of Pads	4
Load Cell Type	100t - Analogue
No. of Cells per Pad	6
Individual Pad Capacity	150t
Total Axle Capacity	600t

*NOTE: Speeds & accuracies depend on site conditions & vehicle operator.



Load Sensors

Each hi-technology weigh pad incorporates multiple heavy duty "OIML approved" temperature compensated load cells. The strategic positioning of these sensors within the pad allows for off-center wheel loads to be measured accurately and with a safe overload sufficient to deal with the inertia and shock effects of a loaded mining truck braking on the weigh pad.

Accuracy

Accuracies of approx. ± 0.05 in static mode and $\pm 0.5\%$ in dynamic (in-motion) mode (Gross Vehicle Mass). This is achievable dependent upon the site conditions and the operator.

Calibration

Each FORCE system is factory calibrated prior to shipment. We also offer an optional in-field calibration portable test press unit, which can be used at site by local service personnel.



FORCE being tested and calibrated at site with a portable test press unit



Weatherproof outdoor electrical cabinet

Note: These are the same electronics & software used in our high speed 80 km/h govt. trade approved train weighing systems.

TRUCKMATE

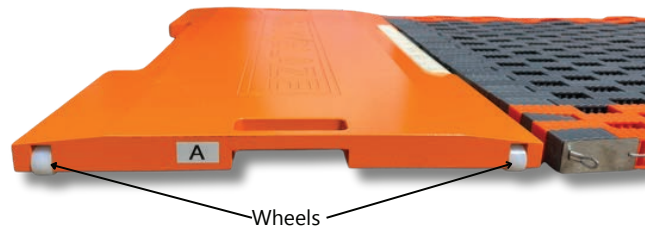
REX BLAZE

THE NEXT GENERATION PORTABLE AXLE WEIGHER



Introducing hi-technology TRUCKMATE , the ultimate high accuracy weighing solution for trucks, trailers and other heavy-duty vehicles. Wired or wireless, accurate weight measurements have never been easier.

Designed for durability in mind, TRUCKMATE features two high-quality weighing pads capable of handling up to 40 tonne per axle. Constructed from heavy-duty steel, these pads provide a non-slip surface for precise weight readings in any operating environment.



Storage case

One of the key features of the TRUCKMATE Axle Vehicle Weighing Scale is its wireless connectivity, which allows for easy data transfer and real-time weight monitoring.

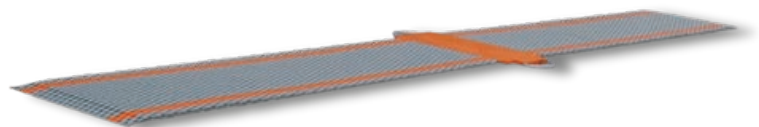
The system includes a compact and lightweight controller with a clear LCD display and printer in a robust carry case providing users with accurate weight readings.



Controller



Rolled up levelling mats



Note: Levelling mats may be required for varying vehicle configuration

TECHNICAL DATA

Capacity:	Wheel weight ≤20 tonne Axle Weight ≤40 tonne
Static Accuracy:	± 0.3%
In-Motion Accuracy:	± 2.0%
Temperature Compensation Range:	-10 ~ +50
Sensitive:	1±0.2 MV/V
Repeatability:	≤0.01%FS
Working Temperature:	-40 ~ +80
Overload Protection	Approx. 120%

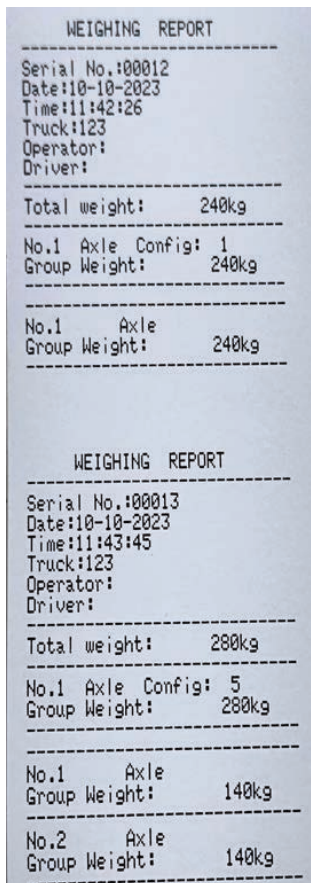


“Reduce the Risk of Overloading”

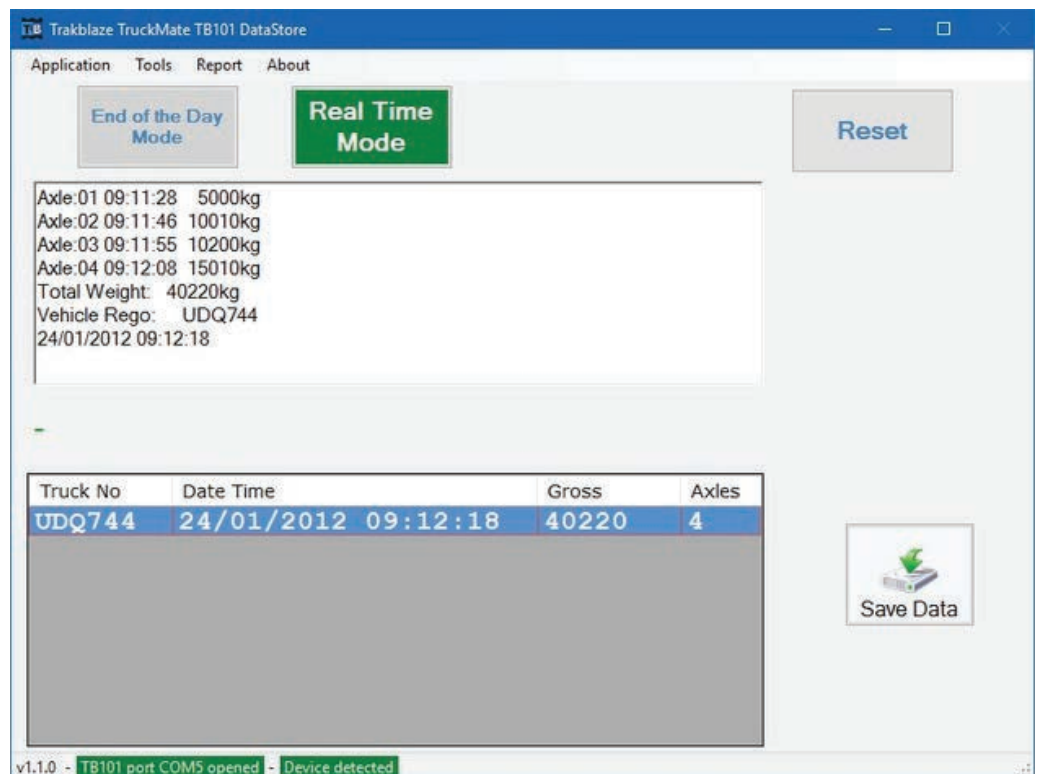
*NOTE: Speeds & accuracies depend on site conditions & vehicle operator.

Key features:

- Slimline
- Splash proof
- Load cell based with high static or weigh in-motion high accuracy
- OIML Standard Static accuracy
- Large weighing surface that can accommodate dual tyres
- Built-in cable protector to avoid error when cable is broken (wired version)
- Built-in anti-electromagnetic interference to make sure weighing results will not be influenced
- Built-in auto compensation system to compensate for weighing error on dual and tri-axle groups



Printout sample



Truckmate software data display, storage & spreadsheets



Maximising Profits & Payloads

Realtime Volumetric Scanning System for Mine Haul Trucks

TVS is a non-contact volumetric measurement scanning system designed to measure loads of bulk loose solids & minerals in mining trucks.

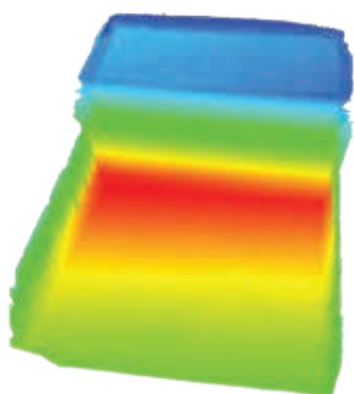
The TVS software has been developed specifically to allow direct acquisition of data from the integrated laser scan head allowing for real-time monitoring of payloads.

System Description

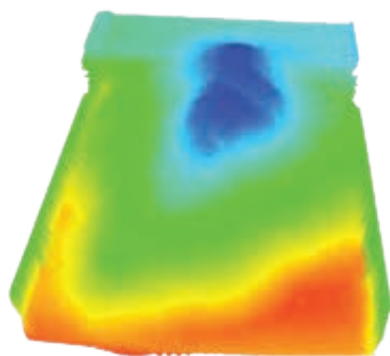
Trucks or rail wagons are scanned by driving slowly below an elevated Scan Head. This is essentially a mounting platform for two scanning laser range finders which are referred as laser scanners. When a truck crosses below the Scan Head, it falls within the field of view of the laser scanners which perform thousands of distance measurements per second to obtain data.

The scanner processes the distance data measured by the laser scanners as a truck passes below and constructs a composite 3D model or 'surface profile' in the software.

A vehicle is initially scanned empty and recorded into the system database as an empty vehicle profile (zero reference). Load volume is computed on subsequent scans by comparing each new loaded vehicle profile against the recorded empty profile. This involves aligning the empty and loaded vehicle profiles spatially in software and computing a load profile from then difference between them.



Empty Mining Haul Truck Scan



Loaded Mining Haul Truck Scan





Data Interface Options:

Data Interfaces	SQL Server, MODBUS (TCP)
Data Fields	Volume (m3), Speed (m/s), Length (cm), Width (cm)
3D Output	X3D Compliant, 3D model for every scan
Auto Rating	Software automatically determines the validity of scan data and rate a scan as 'Good' or 'Bad'.
Laser Status	Laser contamination status is monitored via the touch screen interface (Good, Contamination Warning, Contamination Error).

*NOTE: Speeds & accuracies depend on site conditions & vehicle operator.

Software

The auto scan processing software provides near real-time outputs to the industrial data network through a responsive design using multi-threaded technology, with calculations of production critical parameters in less than 10 seconds!

RVS/TVS

File

System Time 2016/08/02 9:03:28 AM

Local Data Folder C:\ScanData

Laser Status Monitor - WIDTH **Laser Status Monitor - TRACK**

Laser Status: [Green Box] Laser Status: [Green Box]

192.168.9.211 127.0.0.1

Most Recent Scan Data

Length 43.47 ft
Length (FOI) 4.37 in
Speed 1.04 m/s
Volume 116.3 yd3
Data Valid (Post Processing Result) [Green Dot]

Contacting Lasers... 0.00 m/s **Laser to Ground Detecting....** **Ground at 1493**

Date	Time	Truck ID	Volume	Length (ft)	Speed (m/s)	Scan Valid	Empty / Loaded	Local Link
2016/07/20	11:41 AM		5.84	44.75	0.95	True	<input type="checkbox"/>	
2016/07/19	11:10 AM		129.72	45.05	1.15	True	<input type="checkbox"/>	
2016/07/19	11:16 AM		120.38	42.32	1.28	True	<input type="checkbox"/>	
2016/07/19	11:20 AM		118.10	42.49	1.46	True	<input type="checkbox"/>	
2016/07/19	2:01 PM		117.08	43.47	1.05	True	<input type="checkbox"/>	
2016/07/19	2:04 PM		116.47	43.641	1.15	True	<input type="checkbox"/>	

9:01:47 AM: 20160719140101 Processing Complete. result: Success
9:02:15 AM: 20160719140450 Processing Complete. result: Success
9:02:50 AM: 20160719141152 Processing Complete. result: Success
9:03:16 AM: 20160719141549 Processing Complete. result: Success

Download Data

CTcpComm - No Device at - 127.0.0.1

62KI FUEL STORAGE & FUEL DISPENSER



Introducing
62kl fuel storage and fuel dispenser

Benefits

- 62000 litres storage capacity
- Brand new container & storage tank
- 30cbm discharge per hour
- Easy to mobilise or demobilise
- Weather resistant system



62KI FUEL STORAGE & FUEL DISPENSER



Dispenser



Transfer pump



Electric control



Level gauge system



Extinguisher



Lighting



Static grounding



Gas alarm



Vent cap



Emergency Vent

S.No	Description	Specification
1	Tank volume	62,000 Liters
2	Storage	Diesel
3	Tank Type	Double walled square tank, one compartment, with strengthen plates inside tank, corner steel bended.
4	Overall dimension	Length 12192mm*width 2438mm*height 2896mm
5	Tank inside dimension	Length 10,300mm, Width 2,350mm, Height 2600mm
6	Tank Steel	Tank carbon steel Q235B, tank wall thickness 6mm, strength plates 5mm
7	Pump compartment	One pump compartment at end of tank. Equipped with inlet pump, electric control cabinet etc.
8	Dispenser	One dispenser with two filling hoses, two pumps inside, flow rate 80L/min.
9	Pump	One inlet pump, for diesel into tank. Flow rate 30cbm/h.
10	Level gauge	One electric level gauge in pump compartment
11	Outlet system	DN40 oil outlet pipe, equipped with maintenance protection ball valve.
12	Vent cap	One vent cap on top of tank.
13	Anti-static system	Electrostatic grounding alarm
14	Fire extinguisher	In top of pump compartment. The ultra-fine dry powder fire extinguisher is filled with appropriate amount of driving gas nitrogen
15	Power supply system	Explosion-proof distribution box, 220v or 380V incoming power supply, all circuit systems of the equipment are provided with explosion-proof treatment and effectively grounded.
16	Lighting	Explosion proof ceiling lamp, integrated design.
17	Filter unit	The filter device can be disassembled as a whole, the internal filter bracket can be reused.
18	Drain port	The drain port is for clean of tank.
19	Door	One door.
20	Surface treatment	The equipment is polished, derusted and degreased. With external three coats of painting.
21	Accessories	1 external ladder
22	Other requirements	All instrument and switch indications in English. With Customer's Logo and company name.

ISO CERTIFICATES



Certificate of Registration

This is to certify that

PT REXLINE ENGINEERING INDONESIA

Jalan Raya Mantup RT 002 RW 006, Dusun Banjarkepuh, Desa Takeranklating,
Kecamatan Tikung, Kabupaten Lamongan, Jawa Timur, 62280, Indonesia.

has been assessed by RICL and found to comply with the requirements of

ISO 9001 : 2015 Quality Management Systems

For the following activities:

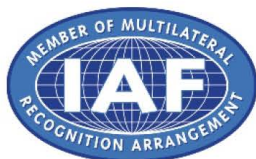
Engineering, Procurement, Construction Management & In-house Manufacturing (EPCMIM) Specialist in Mechanical, Civil, Heavy Electrical, and Instrumentation Engineering for Construction, Operation & Maintenance of Conveyor Systems, Barge Loading systems, Tripper Car, Jetty Construction, Heavy Fabrication Works, Weighbridge, Crushing Systems, Wear Protection, Bulk Material Handling Systems, Workshop / Warehouse & Mining Camp.

This Certificate is Valid from 22/03/2024 Until 21/03/2025

Date of Initial Certification: 22/03/2024
Ist Surveillance on or before: 21/02/2025
IInd Surveillance on or before: 21/02/2026
Certification Valid Until: 21/03/2027



Certificate No.:
24RN03HN



CB-MS-2606

This certificate can be verified at www.iafcertsearch.org,
www.uafaccreditation.org or at www.riciso.com

United Accreditation Foundation INC, 400 North Center Dr Ste 202,
Norfolk, VA 23502, United State of America.



Director
Royal Impact Certification Ltd.

623, Tower-B, iThum, Plot No. A - 40, Sector - 62, Noida 201301, India.
www.riciso.com, info@riciso.com
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ISO CERTIFICATES



Certificate of Registration

This is to certify that

PT REXLINE ENGINEERING INDONESIA

Jalan Raya Mantup RT 002 RW 006, Dusun Banjarkepuh, Desa Takeranklating,
Kecamatan Tikung, Kabupaten Lamongan, Jawa Timur, 62280, Indonesia.

has been assessed by RICL and found to comply with the requirements of

ISO 14001 : 2015

Environmental Management Systems

For the following activities:

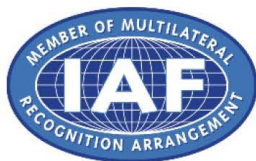
Engineering, Procurement, Construction Management & In-house Manufacturing (EPCMIM) Specialist in Mechanical, Civil, Heavy Electrical, and Instrumentation Engineering for Construction, Operation & Maintenance of Conveyor Systems, Barge Loading systems, Tripper Car, Jetty Construction, Heavy Fabrication Works, Weighbridge, Crushing Systems, Wear Protection, Bulk Material Handling Systems, Workshop / Warehouse & Mining Camp.

This Certificate is Valid from 22/03/2024 Until 21/03/2025

Date of Initial Certification: 22/03/2024
Ist Surveillance on or before: 21/02/2025
IInd Surveillance on or before: 21/02/2026
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Certificate No.:
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Jalan Raya Mantup RT 002 RW 006, Dusun Banjarkepuh, Desa Takeranklating,
Kecamatan Tikung, Kabupaten Lamongan, Jawa Timur, 62280, Indonesia.

has been assessed by RICL and found to comply with the requirements of

ISO 45001 : 2018

Occupational Health and Safety Management Systems

For the following activities:

Engineering, Procurement, Construction Management & In-house Manufacturing (EPCMIM) Specialist in Mechanical, Civil, Heavy Electrical, and Instrumentation Engineering for Construction, Operation & Maintenance of Conveyor Systems, Barge Loading systems, Tripper Car, Jetty Construction, Heavy Fabrication Works, Weighbridge, Crushing Systems, Wear Protection, Bulk Material Handling Systems, Workshop / Warehouse & Mining Camp.

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Date of Initial Certification: 22/03/2024
Ist Surveillance on or before: 21/02/2025
IInd Surveillance on or before: 21/02/2026
Certification Valid Until: 21/03/2027



Certificate No.:
24RN03HP



CB-MS-2617

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