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**ULTIMATE BELT CONVEYOR  
SPILLAGE SOLUTION**



# WHY RUNWELL??

RUNWELL CONVEYOR

- # **FREE** CONSULTATION FOR MODIFICATION OF CONVEYOR WITH EVERY SINGLE SUPPLY
- # **EXPERTISE** IN PROVIDING TOTAL SPILLAGE SOLUTION FOR BULK MATERIAL HANDLING UNITS
- # **HUGE PRODUCT RANGE** IN ONE BASKET
- # **UNDERSTAND** CUSTOMER'S PAIN
- # **ADD** HAPPY CUSTOMER



THROUGH OUT  
CONVEYOR  
OBSERVATION



EXPERT SOLUTION  
FOR SPILLAGE  
FREE CONVEYOR

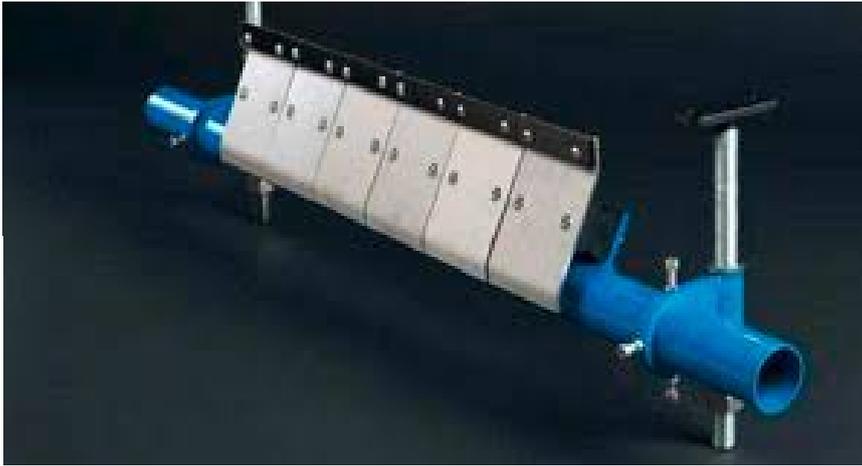


HAPPY  
CUSTOMER





# SECONDARY BELT SCRAPER



## PRIMARY BELT SCRAPER IN ACTION



### FEATURES:

### ADVANTAGES:

- # Ultimate belt cleaning
- # Blades Tip — TUNGSTEN / CERAMIC
- # Suitable for all belt widths, speeds & Operation
- # Segmented blades
- # Long Extended Blade Holder under each blade for extreme flexibility
- # Self Adjusting

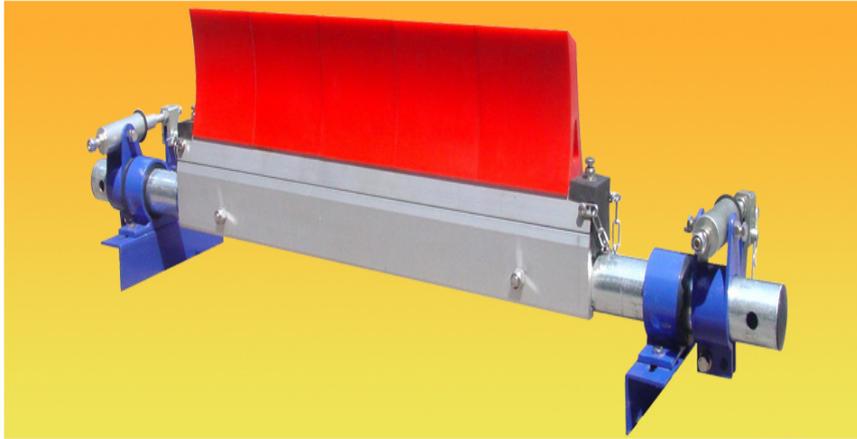
- # Angle of blades prevents belt damage
- # Segmented design helps in cost saving and long life of scraper
- # Fixing position helps to clean 98% of the carry-back spillage
- # Both side Spring Tensioner helps to touch the blades of scrapers equally
- # Easy to install

RUNWELL CONVEYOR





# PRIMARY BELT SCRAPER



## PRIMARY BELT SCRAPER IN ACTION



**RUNWELL CONVEYOR**

### FEATURES:

- # Effective belt cleaning
- # Blades Tip —POLYURETHENE
- # Suitable for all belt widths, speeds & Operation
- # Segmented Overlap blades
- # Extended belt life
- # Self Adjusting

### ADVANTAGES:

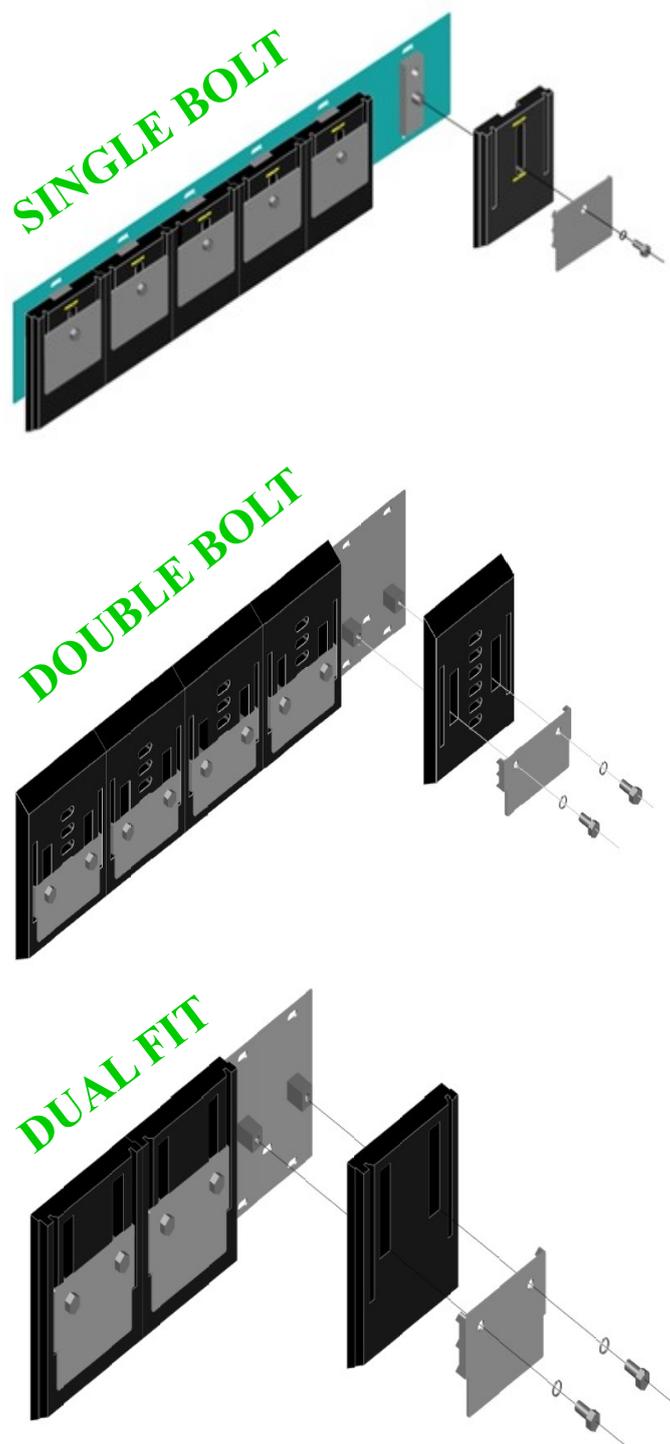
- # PU blades prevents belt damage
- # Segmented design helps in cost saving and long life of scraper
- # Fixing position helps to clean 80% of the carry-back spillage
- # Both side Spring Tensioner helps to touch the blades of scrapers equally
- # Easy to install



# SKIRT SEALING SYSTEM

RUNWELL skirt board sealing system SPILL-CARE is designed and developed keeping in consideration the spillage problem at load zone. Specially designed ,Overlap, Segmented rubber blocks are absolutely suitable for spillage free loading zone .

RUNWELL CONVEYOR



## SPECIFICATION:-

- # Material : Natural Rubber, PU
- # Rubber block Dimension: 150 lg x 200 (ht) x 20 25/ 32 (Thk)
- # Fixing Design : Z type Overlap
- # Back Plate Thickness: 2 / 3 / 5 mm
- # Back plate Length : Multiple of 150mm

## PROPERTIES:-

RUBBER BLOCKS : 60 ± 5 SHORE A,  
BACK PLATE : MILD STEEL &  
STAINLESS STEEL

## ADVANTAGES:-

- # Segmented Overlap Design Seals with no Gap
- # Not only supply of materials, RUNWELL modify thee TOTAL LOADING ZONE for ultimate solution of loading zone spillage
- # Helps in protection of the belt
- # Minimize Engage of cleaning manpower
- # Stops loss of materials
- # Huge verities of Skirt sealing system for various applications.

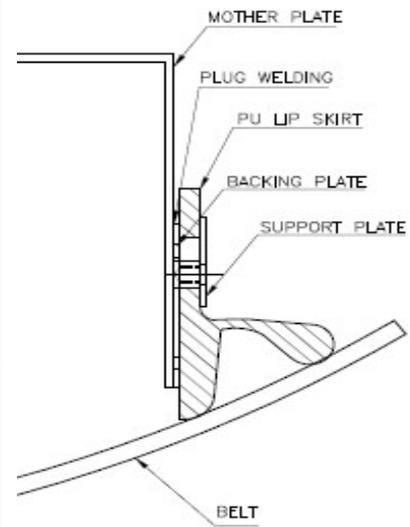
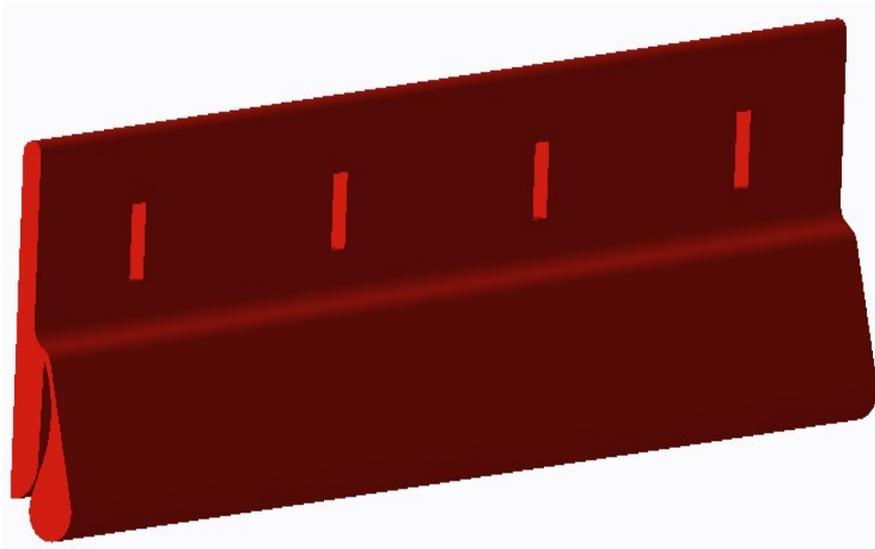


Rear Skirt Sealing module Selection								
Belt width	600/650	750/800	1000	1200	1400	1600	1800	2000
Module length	450	600	750	900	1050	1200	1350	1500



# UPGRADED Skirt Sealing System with more features / advantages

## DUAL LIP SKIRT SEALING



Shore Hardness	Size of PU Block	Back & Front Support	PU LIP Dia	PU LIP Height
60 + - 5 Shore 'A'	140 mm(ht) x 10/20 mm(thk) x 3 mtr (ht)	MS / SS	40 mm	65.1 mm

### **ADVANTAGES:**

Long length with Dual Lip design Skirt made up of Polyurethane offers the following advantages :

- DOUBLE GUARD OF LOADING ZONE SPILLAGE
- DUE TO HIGHER ABRASION RESISTANT PROPERTIES OF PU, OFFERS MORE LIFE THAN RUBBER SKIRT SEALING SYSTEM
- PU PROPERTIES MINIMIZE FRICTION WITH RUBBER BELT
- NO CHANCES OF DAMAGE OF BELT
- LIGHT WEIGHT, EASY TO INSTALL AND REPLACE

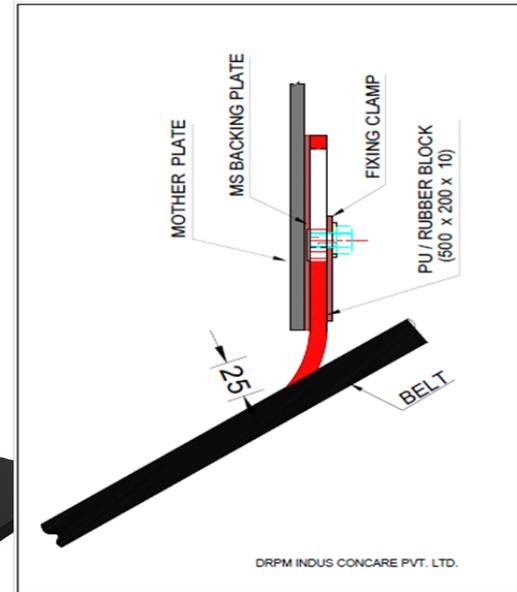
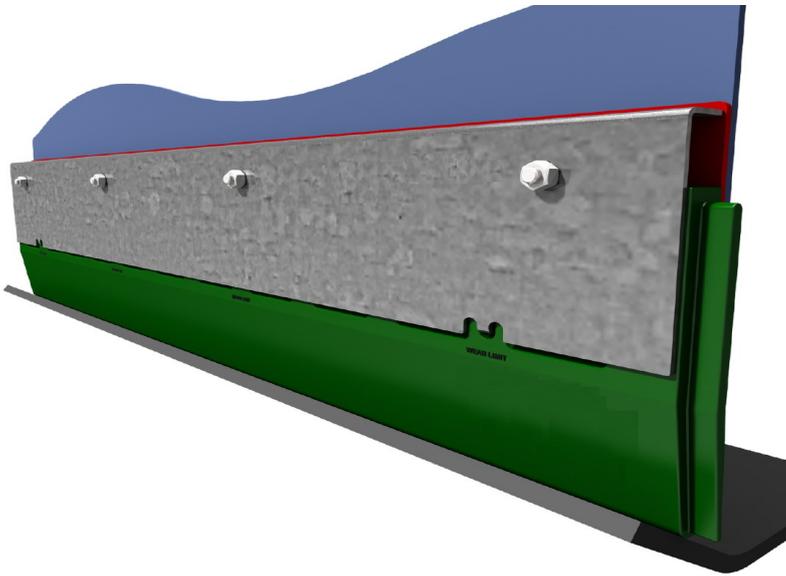
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# UPGRADED Skirt Sealing System with more features / advantages

## PU SKIRT SEALING



DRPM INDUS CONCARE PVT. LTD.

Shore Hardness	Size of PU Block	Back & Front Support
60 + - 5 Shore 'A'	200 (ht) x 8/10 (thk) x Any Length	MS / SS

### **ADVANTAGES:**

Long length with Skirt made up of Polyurethane offers the following advantages :

- SUSTAIN AGAINST BELT SWAY
- DUE TO HIGHER ABRASION RESISTANT PROPERTIES OF PU, OFFERS MORE LIFE THAN RUBBER SKIRT SEALING SYSTEM
- PU PROPERTIES MINIMIZE FRICTION WITH RUBBER BELT
- NO CHANCES OF DAMAGE OF BELT
- LIGHT WEIGHT, EASY TO INSTALL AND REPLACE

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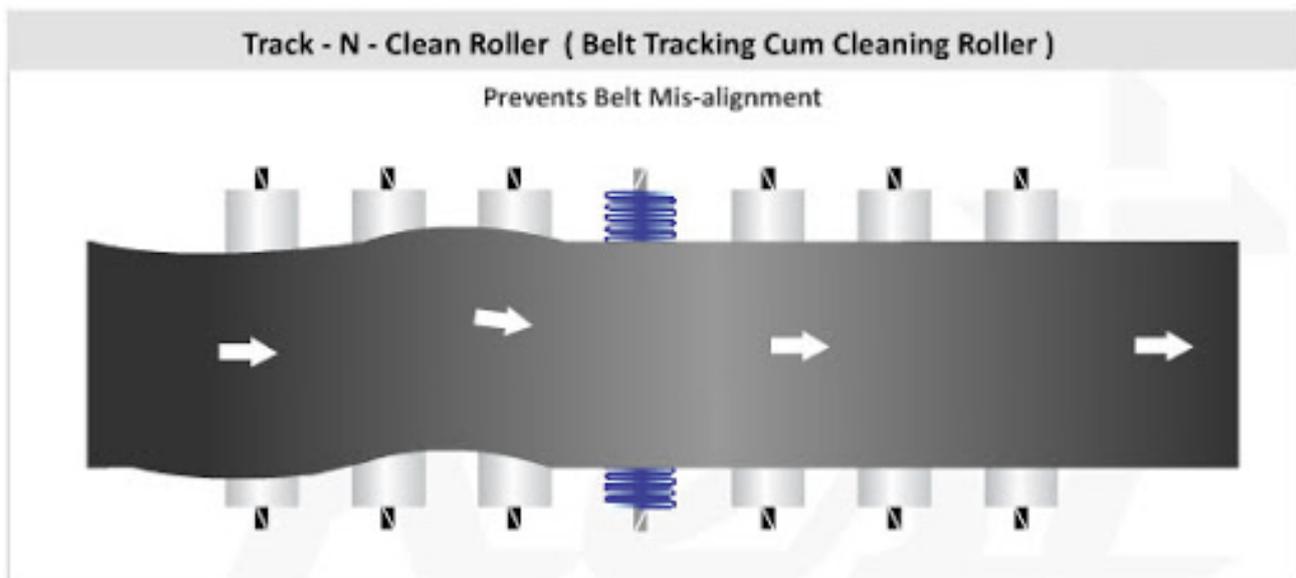
# AUTOMATIC BELT TRACKER ROLLER

TRACK-MAXX (R) For RETURN

TRACK-MAXX (C) For CARRYING



## TRACKING TECHNOLOGY



### SALIENT FEATURES:

- OPERATE IN BOTH WET & DRY CONDITIONS
- REQUIRE MINIMUM FORCE TO ACTIVE THE TRACKING MECHANISM.
- NOT RELY ON THE EDGE OF THE BELT TO ACTIVATE THE TRACKING MECHANISM.
- THREE LAYER LABRYNTH SEAL PROTECT THE BEARING AGAINST DAMAGE.
- MAINTENANCE FREE
- HAVE VIBRATING FREE ROLLING ACTION
- HAVE MINIMUM MOVING PARTS
- SIMPLE IN INSTALLATION
- CENTRE PIVOT MECHANISM

RUNWELL CONVEYOR





## TRACK-MAXX ( R )

### FOR RETURN BELT

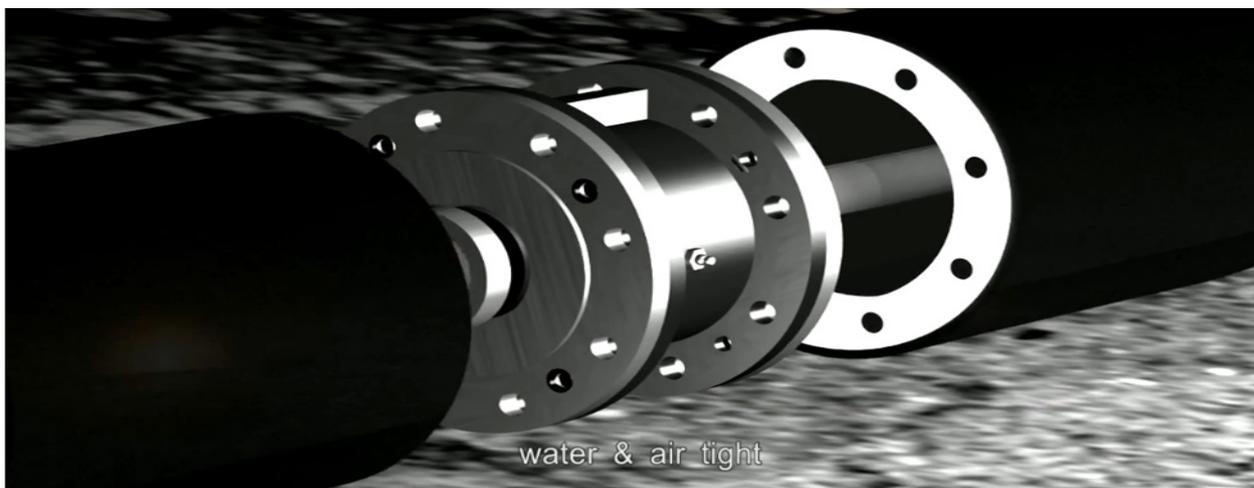
- \* Central pivot completely sealed and manufactured of special steel for no seize.
- \* Bearing type – Deep groove 6017 2RS sealed to with stand 49.9 KN at 5000 RPM.
- \* Designed to operate with belt speed 1m/sec to 7m/sec.
- \* No wing roller is required as tracking is done by the central roller only.
- \* Track-n rollers are rubber lagged for effective operation

## TRACK-MAXX ( C )

### FOR CARRYING BELT

The TRACK-MAXX roller was specially developed to accommodate the load carrying side of the belt. Due to the troughed nature of the carrying side of the belt, a different tracking configuration is required. Wing rollers are incorporated into our design to activate our standard CENTRAL PIVOT system. As the belt moves off -centre, the belt sides up the wing roll and thus causes the TRACK-N ( C ) to pivot on its internal pivot and steer the belt to centre with minimum force.

## **CENTRE PIVOT TECHNOLOGY WITH ALL PARTS REPLACEABLE**



### **ADDED ADVANTAGES:**

- # The main advantage of Track-N tracking system is its tendency to find its own equilibrium obviating the need for any external intervention, guides or electronic sensors.
- # Central pivot inside the horizontal shaft and sealed for life ensures no dust and dirt jamming making the device maintenance free.
- # EXPORT QULITY DUST SEAL AT BOTH ENDS prevents dust to jam the bearings.
- # Bearings designed for higher load capacity and completely sealed.
- # If damaged, not to replace the whole costly roller,  
**ALL PARTS REPLACEABLE / REPAIRABLE**
- # Simple to install.
- # Reduce spillage and wastage.
- # Increase production and reduce downtime.
- # Reduces damage of conveyor belt edges.
- # Reduces spillage and wastage.

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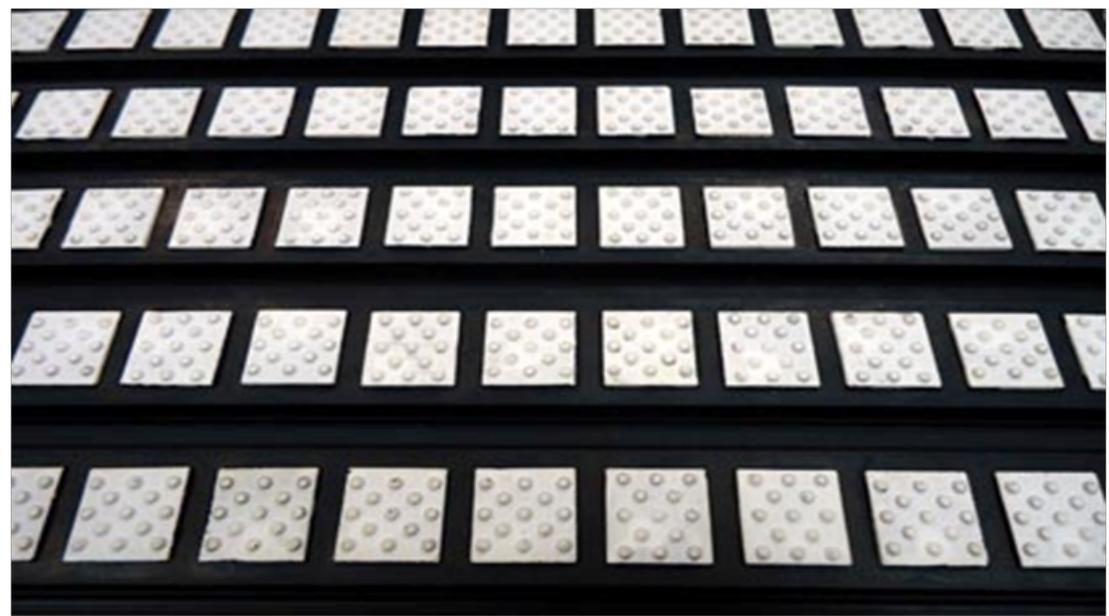
## Want to run like this???

**RUNWELL** Ceramic Pulley lagging system delivers an immediate, cost effective solution to conveyor belt drive problems and additional long term benefits to the total system. **CERA-MAXX** uniquely designed lagging and high quality materials used in the manufacture of the product ensures continuous system operation under the most severe operating conditions where other systems fail.

**RUNWELL** ceramic lagging is designed to provide high levels of drive and wear resistance for conveyor pulleys that operate in medium to heavy duty applications. Typical conditions suited to the use of **CERA-MAXX** ceramic lagging include wet and dirty conditions where belt slippage is a problem at high tension applications where the wear life of plain rubber lagging is limited.

### FEATURES:

- \* Square Tiles with Raised Dimples
- \* 92% Aluminium Oxide Ceramic material
- \* Rubber Compound blended with CN polymers
- \* Low Sulphur rubber compound
- \* Ceramic Tiles chemically bonded to rubber on 5 sides
- \* Ceramic Content 43%
- \* Rubber compound meets FRAS/CSA/MSHA requirements
- \* Can be supplied as individual strips with rubber section at each end of

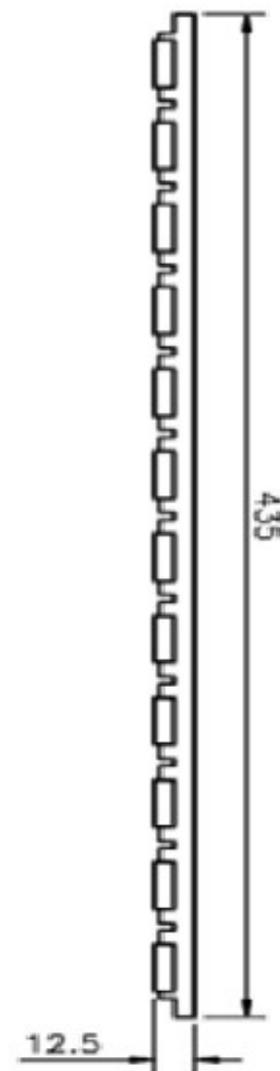
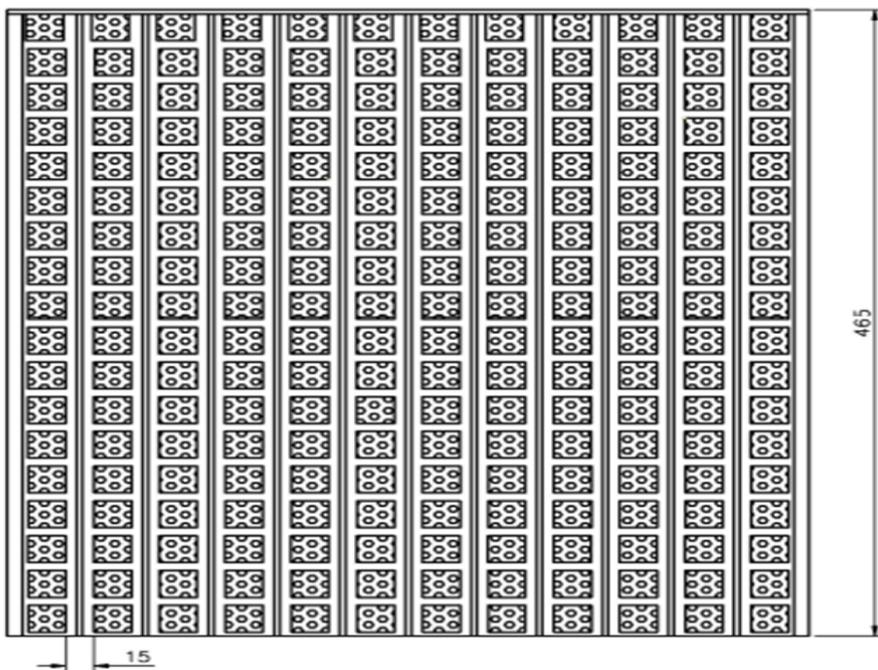


RUNWELL CONVEYOR





# C E R A M I C L A G G I N G



## **ADVANTAGES**

- \* Easy to fit
- \* Minimizes wastage
- \* Outstanding wear and abrasion resistance
- \* Reduced adhesive use
- \* Reduced labour
- \* Reduced down time
- \* Minimizes build-up on pulleys
- \* Improved traction as dimples grip belt
- \* Improved belt tracking due to positive grip
- \* Reduced belt tension required due to increased coefficient of friction.
- \* Extreme wear resistance
- \* Tiles more resistant to cracking or "pull out"
- \* Suitable for use in underground mines
- \* Easy to install with less joints
- \* One product suits all pulley face widths
- \* For customers who prefer a rubber edged pulley lagging



SHEET SIZE (mm) 445 x 447

OVERALL THICK-  
NESS (mm) 12.5

TILE SIZE (mm) 20 x 20



**Want to run like this???**

## *Causes of Belt Damage Due to Improper Impact Pad*

High Free fall height and steep angle of attack for material.

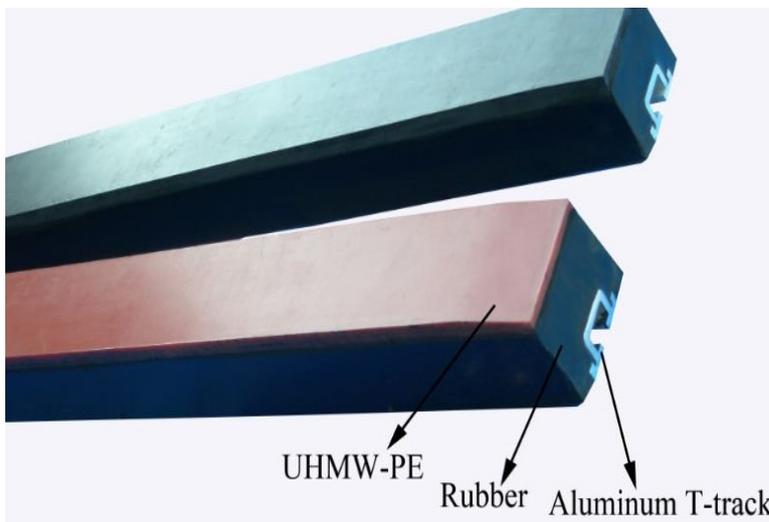
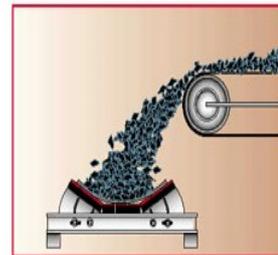
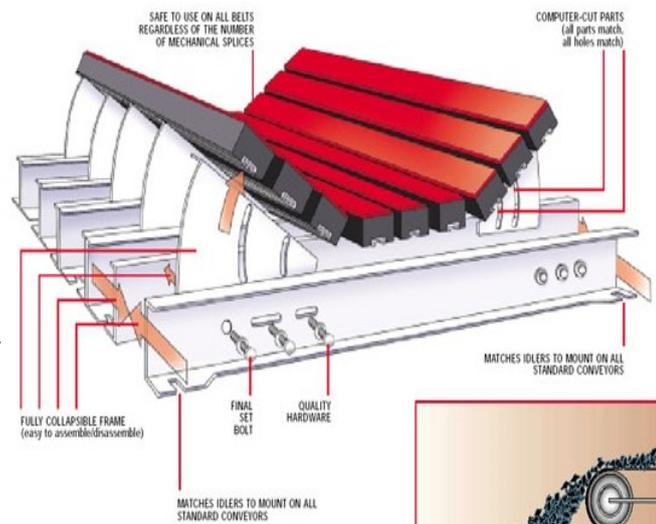
Impact idlers Jamming due to dust and materials' settling on their moving parts.

Misfit of skirt board sealing system causing material spillage on impact idlers.

Internal mechanism susceptible to mechanical damage / failure due to high impact force. External rubber coating in the external layers of impact idlers wearing out due to friction with the belt.

### Advantages

- # No mechanical moving parts
- # Made from dual layer i.e UHMWPE & Natural rubber that can resist high impact force.
- # Top surface ultra smooth for reduced friction due to low coefficient of friction of UHMWPE.
- # No direct screwing with the frame.



### Available Sizes:

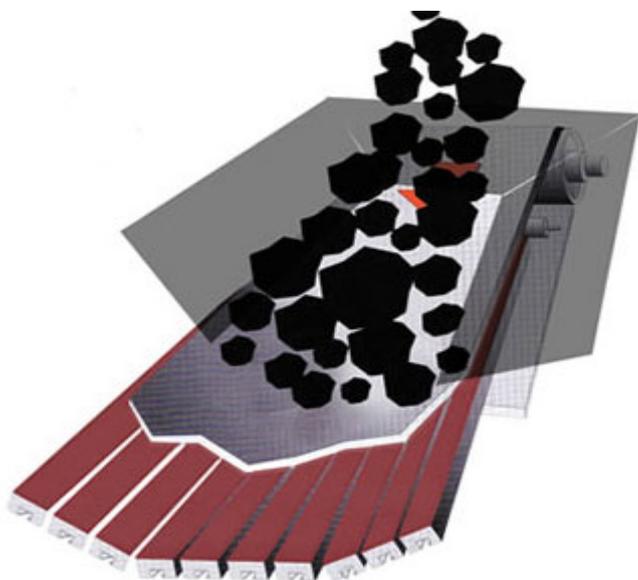
Width: 100 mm

Height: 55 / 70 / 75 mm

Length: AS REQUIRED



# I M P A C T P A D

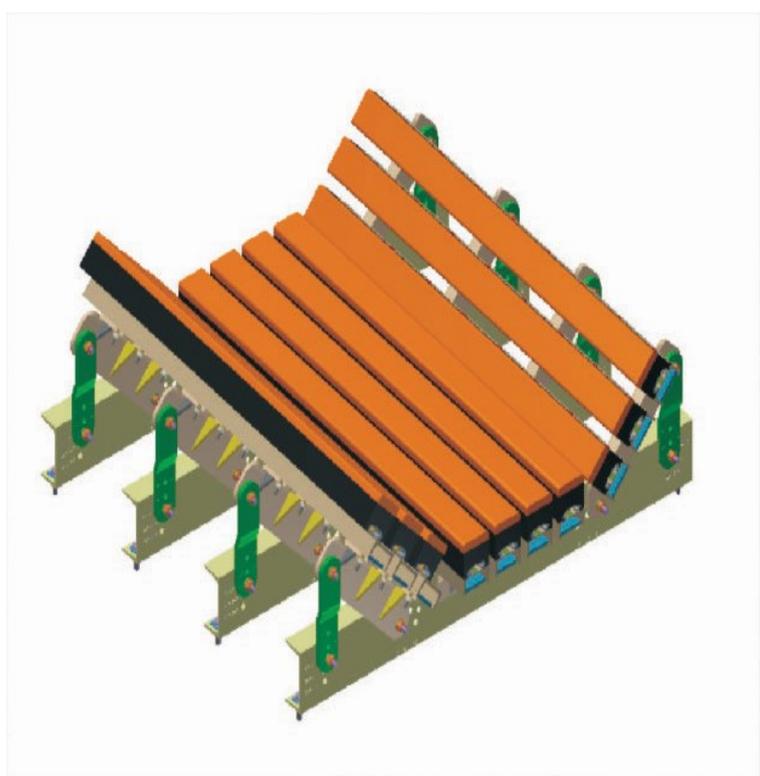


## Feature:

**RUNWELL IMPACT PAD** is a fusion of three different layers. The top layer is made of **UHMWPE** for smooth gliding of the conveyor belt. The middle layer is of rubber to cushion the impact load, while the lower layer is for fastening impact pads on the support frame which is usually made up of Aluminium. RUNWELL's sophisticated manufacturing facility employs the latest fusion bonding techniques to produce the trio-composite Impact Pad with no possibility of separation.

### *ROWS OF PADS REQUIRED*

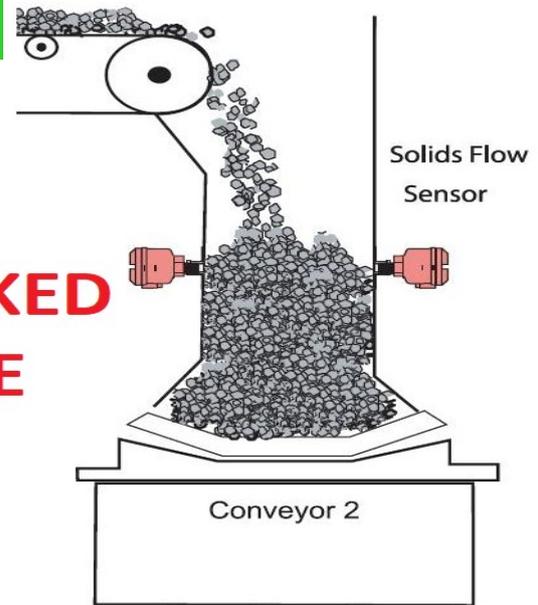
Belt Width (mm)	No Of Pads
650	6
800	7
1000	9
1200	10
1400	12
1600	14
1800	15
2000	17



**Want to run like this???**



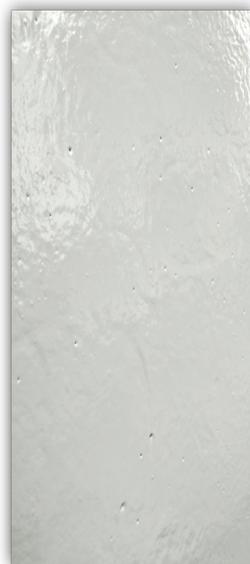
**BLOCKED  
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## **WEAR PROTECTION OF HOPPERS & SLURRY PIPELINES**

- Grafted Co-Polymers
  - Two Component Epoxies
  - Polyurethane Coatings
  - Polyurea Coatings
  - Hybrid Polyurea Coatings
  - Coal Tar Epoxies
  - Bituminous Coatings
  - Coal Tar Coatings
- Grafted Co-Polymers
  - Two Component Epoxies
  - Polyurethane Coatings
  - Polyurea Coatings
  - Hybrid Polyurea Coatings
  - Coal Tar Epoxies
  - Bituminous Coatings
  - Coal Tar Coatings

**Hopper & Silo  
Lining using  
PU & PUR**



**RUNWELL CONVEYOR**





## FOR EFFECTIVE WEAR PROTECTION OF HOPPERS & SLURRY PIPELINES

Polyurethane coatings for erosion and corrosion protection in slurry lines and as a seamless liners for Hoppers and Chutes are still somewhat of a specialty!

High performance polyurethane elastomer coatings with extremely strong steel & RCC adhesion are ideally suited for

### KEY ADVANTAGES

- Extension of the asset's lifecycle from 5 to 30 times compared to carbon steel\* depending on coating thickness and flow parameters
- Outstanding corrosion and erosion protection
- Faster application and job completion!
- Significantly extended maintenance intervals
- Immunity to vacuum conditions or cleaning operations due to adhesion between coating and steel substrate
- Resistance against cold-wall effect due to good thermal insulation and strong bonding to wall
- Even and smooth surface for low friction coefficients and reduced pump energy consumption (Wherever applicable)

### SURFACE FINISH



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# INDUSTRIAL CONVEYOR BELTS

## SPECIALITY CONNVEYOR BELT



For the promotion of productivity , there is a growing need for mechanical handling of bulk to considerable distance even where significant difference in height exit . It has assumed significant importance in modern manufacturing plants and automated industrial units. In most cases Conveyor Belts are found to be the right answer. The Conveyor Belts almost all types are manufactured confirming to IS:1891 under the strict supervision of technologists who have rich experience in the field.



Material	PVC,PU
Type	General Purpose Belts, Plastic Belting and Chain, Hinge Metal
Color	Green, white and blue
Feature	Compact Design
Brand	MAZCON

RUNWELL CONVEYOR



# GRADES & TYPES OF BELT

## M 24 Grade

This is manufactured as per IS : 1891 (Part-I) in the case of belts used For general purpose.

## N 17 Grade

This is manufactured as per IS : 1891 (Part-I) in the case of belts also used For general purpose.

## H.R. Grade

This grade belt is used for conveyors operating up to 100 Degree C heat resistant.

## SHR Grade

Super Resistant Grade rubber cover is used for conveyors operating up to 180 Degree C.

## Oil Resistant Grade

This is a special type of Conveyor Belt which operates in oily and greasy environment . This belt can also be made with heat resistant compound.

## FR Grade

Our range of FR grade conveyor belt is Fire retardant. Resistance to flame propagation, extremely low burning rate. Suitable for surface application.

These are used mainly thermal power plants.

**> Rough Top Conveyor Belt, > Chevron Conveyor Belt > Gravimetric Coal Feeder > Cleated Conveyor Belt > Drainage Belt > Sidewall Conveyor Belt > Wave Top Conveyor Belt**



# MAGNETIC SEPERATOR



**Cross Belt Magnetic Separator**



**Magnetic Drum Pulley**



**Permanent Separator Magnet**

## Manual Cleaning

This style unit consists of the magnet only. With manual cleaning, it is necessary to periodically remove the accumulated tramp iron by hand picking or the mechanical stripper

## Self Cleaning

This unit consists of a short belt conveyor built around a magnet to provide self cleaning. This unit is designed to be mounted advised position, at the head end of a conveyor either over the trajectory of the discharge materials or over the head pulley. It provides automatic removal of tramp iron in the direction of the main conveyor travel

 <p><b>Inline Drum Magnetic Separator</b></p>	 <p><b>High Intensity Rare Earth Magnetic Grill</b></p>	 <p><b>Hopper Magnet</b></p>
 <p><b>Magnetic Pulley</b></p>	 <p><b>Circular Vibrating Screens</b></p>	 <p><b>Wet Drum Magnetic Separator</b></p>
 <p><b>Rectangular Vibrating Screens</b></p>	 <p><b>Floor Sweeper Magnet</b></p>	 <p><b>Vibrating Motor</b></p>
 <p><b>Lifting Magnet</b></p>	 <p><b>High Intensity Roller Type Magnetic Separator</b></p>	



# HDPE IDLER / ROLLER



**Want to run like this???**

**Change with HIGH DENSITY  
POLYURETHANE instead of MILD STEEL**



## MATERIAL PROPERTIES

TOP MATERIAL	: HIGH PERFORMANCE POLYURETHANE
SHAFT MATERIAL	: EN8 / COMPOSITE MATERIALS
BEARING MAKE	: FAG
DUST SEAL	: SS304
RAIN CAP	: SS304
LIP SEAL	: NATURAL RUBBER
MIDDLE SUPPORT	: 6205ZZ BEARING LOCK WITH CIRCLIP
TEMPERATURE RESIST	: UPTO 120 DEG



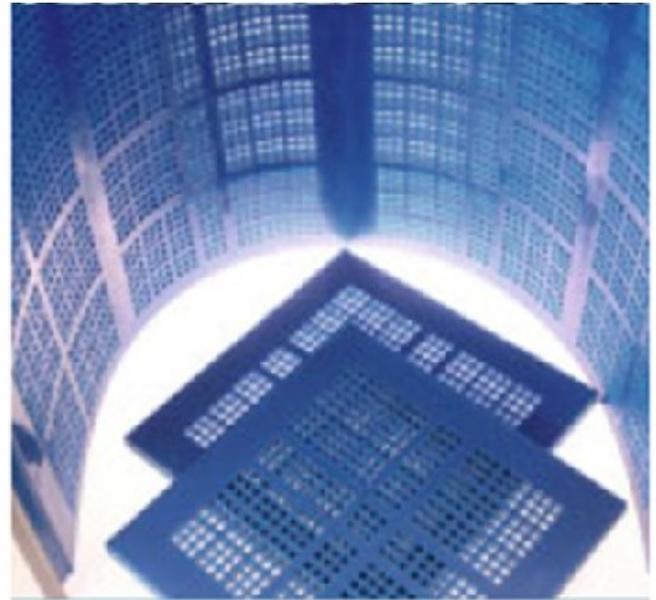
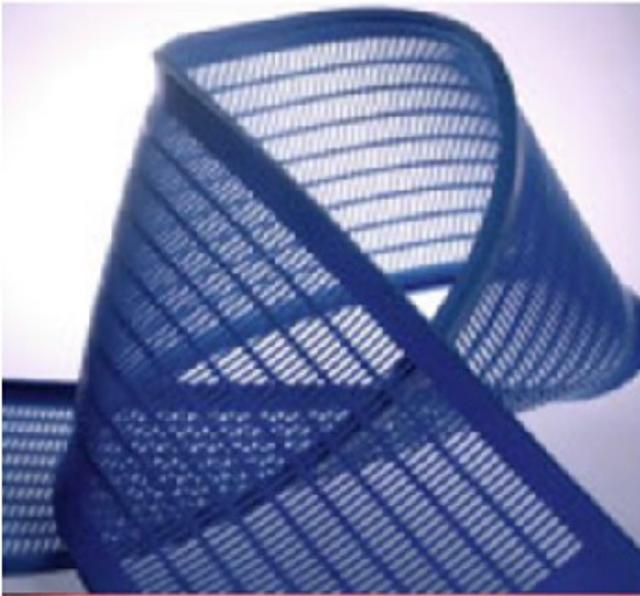
## ADVANTGES

- 4 TIMES HIGHER LIFE THAN NORMAL MS ROLLER/IDLER
- NO STICKING OF MATERIAL ON SURFACE
- NO MAINTENANCE
- 

**RUNWELL CONVEYOR**



# SCREEN PANELS



## RUNWELL Screen Panel in action



RUNWELL CONVEYOR



Brand	Panel Size	Aperture Size	Area	Application
FLO-MAXX	<p><b>Standard:</b> 610mm*300 mm (24"*11 13/16") 305mm*305 mm (12"*12")</p> <p><b>Non Standard:</b> Any size based on drawing or Sample</p>	<p><b>Standard :</b> (1/70"*31/8")</p> <p><b>Non Standard:</b> Any size based on drawing or Sample</p>	Fine to medium coarse screening, primarily in wet applications	<ul style="list-style-type: none"> <li>* Steel Plants</li> <li>* Mining</li> <li>* Cement Plant</li> <li>* Mineral</li> <li>* Power Plants</li> </ul>