



MAHAJAN CONVEYOR INDUSTRIES





INTRODUCTION

Mahajan's group started its activities in the year 1958 with initial focus on Conveyor belts. Gradually with the induction of new technologies and system its activities have grown to cover the rubber based needs of the above industry segment specifically in crushing screening & material handling area.

Gradually we have become one of the leading manufactures of rubber textile, chevron, white hygienic & special purpose conveyor belts that offers complete package of products to operate a conveyor system efficiency & smoothly.

Continuous innovation & rapid transformation have been the main focus throughout Mahajan Conveyor's history.

Our manufacturing facilities

1

Deepak Industries

Samaypur Ind. Area, New Delhi

ESTABLISHED IN YEAR 1982

2

Pradhan Rubbers

Ghaziabad, Uttar Pradesh

ESTABLISHED IN YEAR 1994

3

Pooja Industries

Ghaziabad, Uttar Pradesh

ESTABLISHED IN YEAR 2000

4

Mahajan Conveyor Industries

Kandrori Himachal Pradesh

ESTABLISHED IN YEAR 2005

5

Pooja Conveyor Industries

Kandrori Himachal Pradesh

ESTABLISHED IN YEAR 2009

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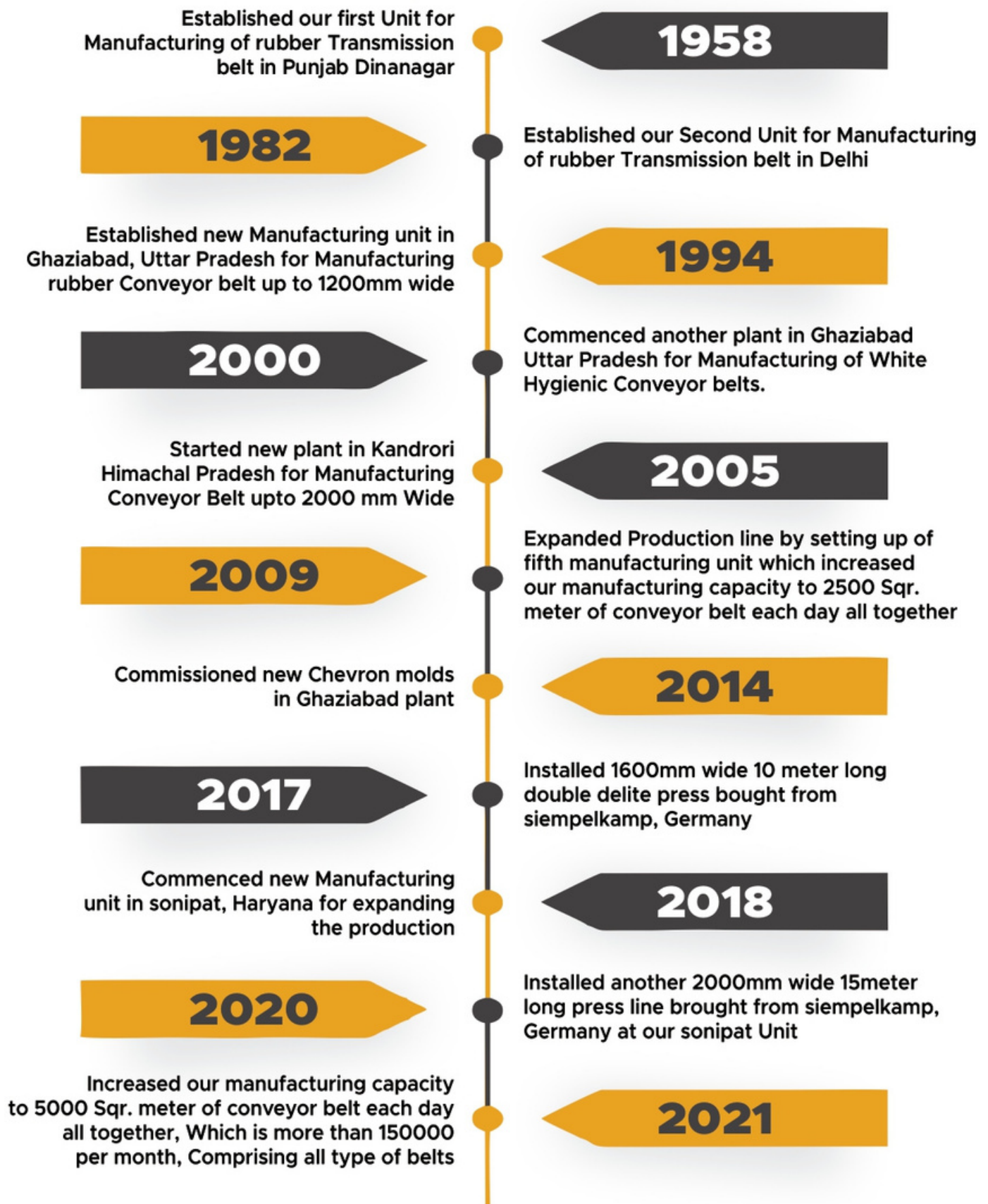
Mahajan Conveyor Pvt. Ltd

Sonipat, Haryana

ESTABLISHED IN YEAR 2018

With modern manufacturing units we are ISO 9001:2015 accredited, and uniquely positioned to serve all regions in India and Indian ports with unparalleled time to Indian & International markets.

MILESTONE



GENERAL PURPOSE GRADES

Belts of these grades are designed to suit a wide range of applications for bulk material handling. The cover rubber grades are specially designed with enhanced cut, gouge & wear properties. These belts are normally used for transporting crushed rock, limestone, coal, iron ore, sand, cement, wood chips, furnace slag, aggregate etc. Since belts are used for



general purpose applications that constitute the largest user segment, our company believes that due attention must be given to the special needs even in this area. We offer unique types of covers which excel in their respective application. With our understanding of material characteristics and the conveying conditions, our compounds have been engineered to protect the belt from wear and tear but as importantly the ageing and flex properties, which actually determine the longevity of the belt. MCI belts carcasses are different from the competition by their best adhesion, lower elongation and best field performance. Our best-in-class infrastructure and processes have given us a good reputation as a best quality, consistent producer of belts with a silk smooth finish.

We always recommend our customers to contact us with their specific queries so that our technical service representatives can assist with an optimal solution to cater the need of the user, improve belt performance and life.

BENEFITS OF MCI BELTS

Compound is developed to perform in very tough and rigorous applications providing very high wear resistance to sharp and abrasive materials.

- Produced on best-in-class manufacturing equipment
- Exceptional cover grade compounds for conveying fines.
- Designed tough to work tough
- Easy to splice using standard materials Product Application:
- Usage of the finest quality raw materials.
- Excellent cut and Gouge resistance to bear heavy impact of large size lumps and sharp material
- Carcass quality and designing maintains belt trough ability and longitudinal flexibility
- Very high adhesion levels provide exceptional bond between covers and plies.

MCI RUBBER COVER GRADE SELECTION CHART

Grade	Stand ard	Tensile strength min mpa (N/mm ³)	Elongatio n min %	Abrasion Loss Max (mm) ³	Characteristics
X	DIN 22102	25	450	120	It is suitable for conveying sharp cutting materials like granite, crushed glass etc.
Y	DIN 22102	20	400	150	This rubber grade is widely used for general purpose with resistance to abrasion, ozone handling crushed rock, coal, sized coke etc.
IS M-24	IS 1891	24	450	150	It is suitable for conveying iron ore, coal, lignite, copper, limestone, blast furnace slag, stone, rock etc.
RMA 1	RMA	17	400	125	
L	ISO 15236	15	350	200	Suitable for conveying non - abrasive materials or less abrasive materials.
Z	DIN 22102	15	350	250	Material to be conveyed sand, Slaked lime, Pulp (dry) etc.
RMA II	RMA	14	400	200	
AS N	AS 1332	17	400	200	
DIN W	DIN 22102	18	400	90	High cut and gauge property with super abrasion resistance. Suitable to convey sharp big lumps, abrasive materials and fines.
SAR	IS 1891	17	400	70	
AS A	AS1332	17	400	70	



Wear & Tear Resistant Belts

TOP COVER

Designed to protect the carcass from service conditions like oil, heat abrasion etc.

SKIM COAT

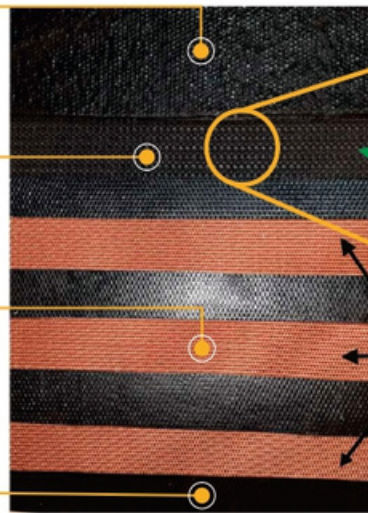
Compounded for excellent adhesion between plies for protecting against ply separation.

CARCASS

Extremely low stretch characteristics of fabric and good trough ability.

BOTTOM COVER

Excellent in abrasion and flexibility. Provides wearing surface against pulleys and idlers.



Protection Layer

Regular Fabric

OUR PRODUCT RANGE

WIDTH Up to 2000 MM

LENGTH Up to 500 MTRS (Roll Diameter =3.2 Mtrs-Approx) depending on the belt Width and Thickness. All measurement conform by Technical Department

COVER GRADE Indian Standard/D.I.N & I.S.O

M24 S.A.R O.R O.R-H.R F.R-O.R S.H.R- T1 T2 T3 U.H.R F.R & C.M.R Food Grade (HYGENIC)

COVER THICKNESS Up to 15 MM Top And 10 MM Bottom

RATINGS Up to 2000 kN /mtr

TOTAL BELT THICKNESS Up to 40 MM

CRUSHER INDUSTRY - MCI PLUS - Specially Design for Crusher Industry (Width 600 MM TO 1200MM)

SPECIAL CATEGORY BELT

**Chevron
Conveyor**

**Wavy
Top
Conveyor**

**Rough
Top
Conveyor**



SPECIAL PURPOSE BELTS



APPLICATION	MATERIALS REFERENCE
Heat Resistance Belting HR(T-1)GRADE - suitable for transporting hot materials (up to 125 degree centigrade for coarse materials and 100 degree centigrade for fines) HR(T-2)GRADE - suitable for transporting hot materials (up to 150 degree centigrade for coarse materials and 125 degree centigrade for fines) SHR(T3) this belts are used for continues high temperature up to 180°C UHR Grade UHR is made from EPDM Rubber based compound. It has extreme heat resistant properties / non-cracking properties. Maximum working temperature is 220 degrees for this grade.	Foundry sand, soda ash, Hot Limestone, Cement Clinker, Ash Handling, Hot Coker, Etc.
Chemical Resistance Belting These belts are suitable for conveying material with chemical corrosiveness in making sea salt, chemical factory, chemical fertilizer factory, paper mills, mining industry etc.	Salt Refinery, Fertilizer Plant, Chemical Plant, Sugar Plant
Oil Resistant Belting These belts are made with Nitrile rubber compound. These belts are constructed to eliminate the issue of Swelling of the Belt in places where oil or other oil-based material is transported.	Food Industry, Rice Plant Oil Plant, Oil Refineries
Hygienic conveyor belting These belts with food grade rubber covers so not impart odor and do not stain the materials to be conveyed and thus are particularly suitable for food processing industries.	Tea, Tobacco, Salt Confectioneries, Fruit & Food processing etc.
FIRE Resistant(FR) Grade Recommended for use in coal such types of mines enveloped in fire. Rubber covers are fire resistant and antistatic	Coal, Coal sulphur, etc. Underground mines Thermal power plants



MCI BELT SELECTION CHART

POLYSTER /NYLON (EP) BELTS

Belt Type	Maximum Recommended Working Tension Kn/m	Nominal Carcass Thickness (mm)	Carcass Weight (Kg/m ²)	Pulley Diameters (MM)			Min Belt Width (mm)	Maximum Belt Width For Satisfactory Load Support(mm)** Materials Weight in Tons /m ³			
				A Head Pulley	B Tail Pulley	C Bend Pulley		<0.75	0.75-1.5	1.5-2.5	2.5-3.2
250/2	25	2.40	2.98	315	250	200	300	800	600	0	0
315/2	31.5	2.70	3.35	315	250	200	400	800	800	0	0
315/3	31.5	3.00	3.72	400	315	250	400	1000	800	650	0
400/2	40	3.10	3.50	400	315	250	400	800	800	650	0
400/3	40	3.20	3.97	400	315	250	400	1200	1000	800	0
400/4	40	4.20	5.21	500	400	315	650	1400	1200	1000	0
500/3	50	3.60	4.46	500	400	315	500	1200	1000	800	0
500/4	55	4.40	5.46	500	400	315	650	1600	1400	1200	1000
500/5	55	5.30	6.57	630	500	400	650	1600	1400	1200	1000
630/3	63	4.00	4.96	500	400	315	500	1400	1200	1000	800
630/4	70	4.90	6.08	630	500	400	650	1600	1400	1200	1000
630/5	70	5.60	6.94	630	500	400	800	2000	1800	1600	1400
800/3	80	4.90	5.58	500	400	315	65	1600	1400	120	1000
800/4	90	5.50	6.82	630	500	400	650	1800	1800	1400	1200
800/5	90	6.20	7.69	800	630	500	800	2000	1400	1600	1400
1000/4	110	6.20	7.69	800	630	500	80	2000	1600	1800	1600
1000/5	110	7.00	8.68	800	630	500	1000	2000	1800	2000	1800
1000/6	110	7.60	9.42	1000	800	630	1000	2000	2000	2000	2000
1250/4	140	7.20	8.93	800	630	500	1000	2000	2000	2000	2000
1250/5	140	7.90	9.80	1000	800	630	1000	2000	2000	2000	2000
1250/6	140	8.50	10.54	1000	800	630	1000	2000	2000	2000	2000
1400/4	155	8.60	10.66	1000	800	630	1200	2000	2000	2000	2000
1600/5	180	9.10	11.28	1000	800	630	1200	2000	2000	2000	2000
1600/6	180	9.60	11.90	1250	1000	800	1200	2000	2000	2000	2000
1800/5	200	10.90	13.52	1250	1000	800	1200	2000	2000	2000	2000
1800/6	200	12.10	15.00	1400	1250	800	1200	2000	2000	2000	2000
2000/5	200	12.40	13.64	1250	1000	800	1200	2000	2000	2000	2000
2000/6	200	13.40	15.00	1400	1250	800	1200	2000	2000	2000	2000



PRODUCTION INFRASTRUCTURE



Mahajan conveyor belts are manufactured in a most contemporary full automated plant using the Finest raw material under the stern observation by skilled and highly qualified team under the supervision of their management. Mahajan belts are manufactured confirming to all relevant INDIAN & INTERNATIONAL standards and manufactured in wide range to suit all application of Material Handling Industries.



Length Open or Endless

Ply 1 to 14 Ply

Thickness 2mm to 40mm

Types of Synthetic Carcass General Duty (GD)
extra duty (ED) &
Heavy duty (HD)

Edges Cut edge or Molded edge

Breaker Ply Breaker is provided on the face, back
& edges as per requirement

Fabric Cotton/cotton, Cotton/Polyester & Synthetic
Fabric like Nylon/nylon and Polyester/Nylone
(EP), Polyester/Polyester (EE)(EH)

UNMATCHED ADVANTAGES

A perfect combination of quality materials, modern technology, experienced manpower and elaborate quality assurance measures, ensure that MAHAJAN conveyor belts have the following unmatched advantages

HIGH ADHESION LEVELS

Special chemical bonding techniques ensure very high adhesion levels between cover to ply and ply to ply, achieving superior belt consolidation and higher peel resistance.

OUTSTANDING IMPACT RESISTANCE

High adhesion levels and presence of thick rubber cushions between plies provides outstanding impact resistance and eliminates cover stripping and ply to ply desalination

SUPERIOR TOUCHING & FLEXIBILITY

Higher transverse flexibility of MAHAJAN belts allows deeper touching, improving volumetric transfer capacity of conveyors. At the same time, higher long ideational flexibility allows use of smaller pulleys diameter and reduces flex fatigue

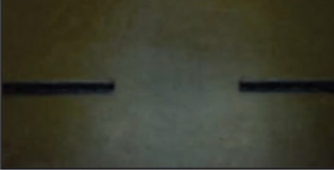


MCI CLEATED - CHEVRON BELTS

Plain Conveyor Belts has 20° maximum conveying angle of inclination depending on the material. In some cases, material tend to roll back. The only possible way to counter the roll back is to increase the speed of the conveyors, thereby resulting in increased energy consumption. In these cases, steeper angles of inclination are required, that is made possible by using Chevron Cleated Belts. Chevron Conveyor Belts have rubber profiles that are integrally vulcanized with the top cover of the belt. These highly abrasion resistant rubber profiles are offered in Softer Compounds (45 - 50 Shore) as also 60 shore materials. These profiles are designed in such a way that there is no need for special idlers and can run on conventional conveyor systems. Pitch of Chevron is designed to ensure a smooth ride over flat return Idlers. The use of profile belts is increasing in mobile conveyor applications for aggregate and in the scrap recycling industry. The MCI Cleated belts have specially designed wear resistant covers and cleats to provide a high wear life. We have belts of different cleat designs and patterns, depending upon the type of material to be conveyed.

Our Company offers a wide range of Profiled Chevron Cleated Belts, which make increased angles of 30° to 40° inclination possible. In high angle of inclination less space is required to reach the desired conveying height. All our Chevron Cleated Belts are designed with international standards of rubber compound. Our range of MCI cleated conveyor belts are guaranteed to improve operational efficiency and throughput of material conveyed and are available in width from 400mm to 1200mm. Can be supplied in cut /molded edge as per requirement.

CHEVRON BELTS PATTERNS

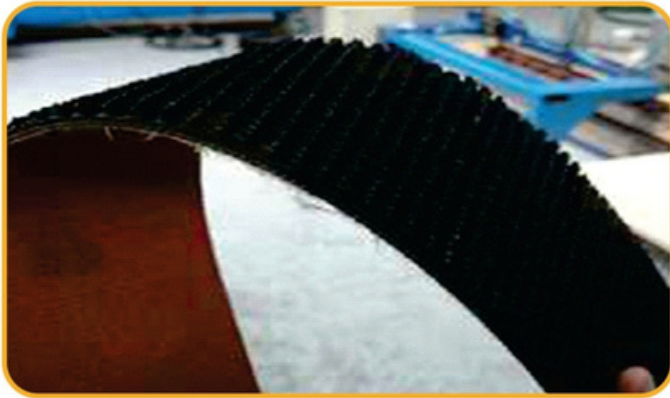
Cleated Belts	Cleat Pitch	Cleat width	Belt width	Cleat Height	Cleat Pitch	Cleat width	Belt width	Cleat Height	Cleated Belts
	(CP) 185 mm	(CW) 210 mm	Up-to 550 mm	17 mm	(CP) 255 mm	(CW) 495 mm	600 to 1000 mm	25 mm	
	190 mm	725 mm	800 to 1200 mm	15 mm	(CP) 330 mm	(CW) 750 mm	800 to 1200 mm	18 mm	
	(CP) 400 mm	(CW) 550 mm	600 to 800 mm	10 mm	(CP) 90 mm	-----	800 to 1200 mm	6 mm	

INDUSTRIES - CERAMIC, STEEL PLANTS, POWER PLANTS, RMC PLANTS, ROAD CONSTRUCTION, CRUSHERS, GLASS INDUSTRIES

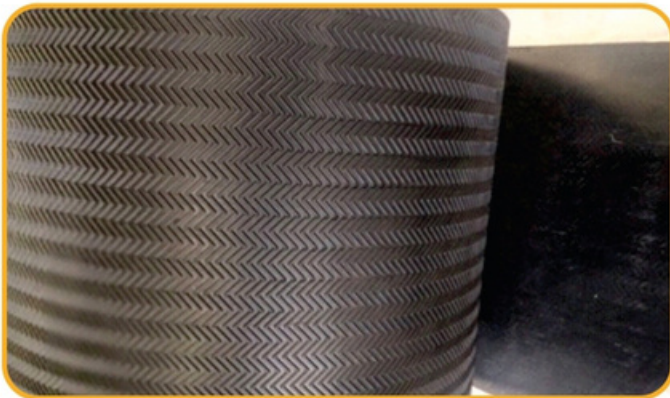
Type of material	Material to be conveyed	Max angle of inclination Cleat Heights		
		16mm	25mm	32mm
Powdery	Flour, Lime etc	25°	28°	30°
Loose Flowing	Grains: Corn, Barley, wheat, dry sand	20°/25°	25°/30°	25°/30°
Packed	Paper sacks, jute sacks	30°/35°	35°/40°	35°/40°
Sticky	Wet sand, ash	30°/35°	35°/40°	40°/45°
Loose Rolling	Ground stone, gravel	25°	28°	30°



OUR PRODUCTS

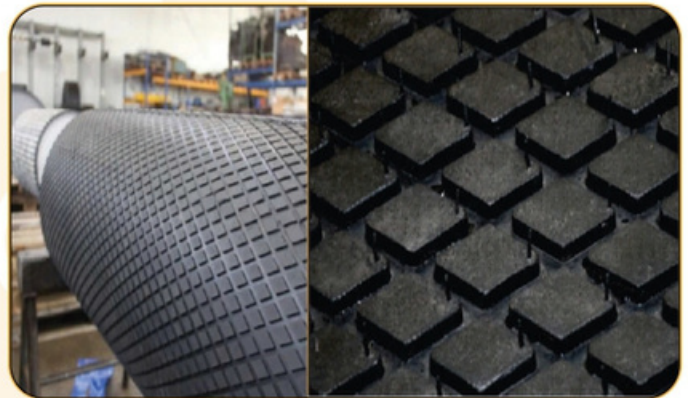


ROUGH TOP Upto - 2000mm wide



WAVY TOP

Upto - 1200mm width



PULLEY LAGGING

Upto - 1200mm width



SIDE WALL BELT



**WHITE HYGIENIC
CONVEYOR BELT**

(FOOD GRADE) Upto - 1200mm



R & D CENTRE

It is the policy of MAHAJAN CONVEYOR to strive & maintain the highest possible quality standards for the products and services, are offered and supplied. we achieve this goal continually so we are certified, through ISO9001:2015, a certification we have maintained in its various versions since circa.

Our Quality control is carried out at every stage of manufacturing under supervision of quality engineers. We meet this responsibility by continually improving our products, services & quality management system to meet or exceed our customers needs and expectations.

This statement represents our commitment, on behalf of MAHAJAN CONVEYOR to the Quality Policy.

We manufacture our products from finest quality of raw materials under strict supervision of qualified and well experienced team in ultra modern plants, equipped in house R&D and QCD "MCI " Conveyor Belts are accepted and used by numerous industrial houses in the country. All our products undergo stringent quality inspection, right from the raw material stage to finished goods . As a result, our company has been highly successful in continuously producing Conveyor Belts in Indian & International standards.



OUR VISION FOR SUSTAINABILITY

INCREASE THE LIFE REDUCE THE WASTE

Our company's approach to the market has always been to supply conveyor belts that provide a much longer operational lifetime than those of our competitors. Typically, this can be double the usual lifetime, and in the case of imported belt, it can easily be three or four times longer. On this basis, the amount of belting that needs to be manufactured simply to replace worn-out belting could be reduced by up to 50%. This also means that the amount of belting that has to be discarded could also be halved. The impact this could have on the environment is truly amazing.

This kind of reduction represents tones of conveyor belting that would not need to be made and transported thousands of kilometers each year if all the companies and factories worldwide can implement and function this one step towards sustainability in conveyor belting industry. It would also mean that thousands of tons of rubber, polyester, nylon, and all the associated chemicals would not have to be disposed of, most of which would be buried in the ground.



OUR MISSION



- ✓ Committed to Quality Products.
- ✓ Committed to timely Delivery of Products.
- ✓ Maintain Customer Satisfaction Always.
- ✓ Assurance of Round "O" Clock Services.

Our R&D devotes to innovation and developing new and improved products to meet the challenges and fit the need of Bulk material handling industry.



CORPORATE OFFICE

Ad24/a Ground Floor, Near Power House
Pitampura, New Delhi-110034



FACTORY 1

32-35, Bain Attarian Industrial
Area, Kandrori, Distt. Kangara
HIMACHAL PRADESH- 176403



FACTORY 2

Near Aroma Paint Village
Ramanagar Tehsil Ganaur
Sonipat Haryana -131039



FACTORY 3

E - 6, South Side Of G.t. Road
Industrial Area, Near, Vijay Nagar
Ghaziabad, Uttar Pradesh,
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