

SHREEMA

NUVOTECH PVT. LTD.

COMPLETE HUB FOR CONVEYOR SOLUTIONS

Who We Are

At Shreema Nuvotech Pvt. Ltd., we recognize the real-world challenges industries face when sourcing reliable, cost-effective engineering solutions. Leveraging extensive research and hands-on industry experience, we have developed an “end-to-end hub” approach designed to streamline procurement and simplify the supply process for our clients.

By bringing together a comprehensive range of high-quality products and services under one roof, we empower your team to manage the supply chain more efficiently, saving both time and costs.

As a forward-looking, technology-driven engineering company, Shreema Nuvotech Pvt. Ltd. is committed to innovation, quality, and customer satisfaction. With a growing presence across multiple industries and markets, our expertise and dedication are reflected in every solution we deliver, ensuring reliability, performance, and trust.

Our manufacturing operations in **Indonesia** strengthen our global capabilities, and our brand, **Nuvotech**, stands for excellence and innovation in engineering solutions.

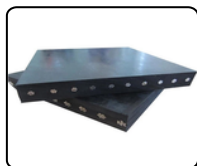


SHREEMA NUVOTECH PVT. LTD.

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We offer an extensive range of **NuvoTech** Conveyor belts and components to suit all applications and specifications. We have a team of dedicated and interconnected representatives and distributors, spread across all regions around the world. Our logistics department is fully geared for LCL / FCL shipments to the remotest part of the world in the shortest possible time. Our complete range of Rubber Conveyor products is aimed to meet & consolidate all your belting requirements from one source, creating a one-stop solution to all your Rubber needs.



STEEL CORD

A high-tensile strength belt reinforced with steel cords, ideal for long-distance and heavy-duty applications such as mining and bulk material transport.



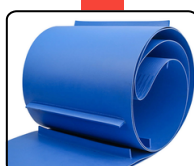
PIPE CONVEYOR BELTS

A tubular belt that forms a closed pipe shape to protect material from environmental exposure and prevent spillage, ideal for long curved routes.



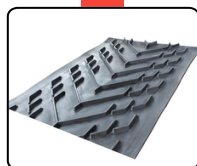
SUPPER SCREW

An enclosed system that moves bulk materials (powder, grains etc.) using a rotating helical screw, suitable for horizontal or inclined conveying.



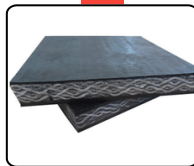
PU BELTS

Polyurethane belts known for high flexibility, resistance to oils and chemicals, and food-grade quality—ideal for hygienic applications.



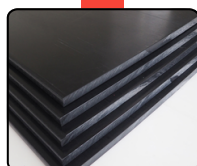
CHEVRON BELTS

Belts with V-shaped cleats designed for steep incline conveying, preventing material slippage and rollback, commonly used in mining and agriculture.



PVG BELTS

Durable belts with a solid woven carcass and PVC or nitrile cover, offering fire resistance and moisture resistance, used in underground mining.



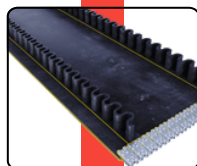
TEXTILE BELTS

A belt reinforced with fabric (e.g., polyester, nylon) offering flexibility, light weight, and good mechanical strength for general material handling.



BUCKET ELEVATOR

A vertical lifting system that uses buckets attached to a belt or chain to transport bulk materials such as grains, fertilizers, or cement.



SIDEWALL BELTS

Designed with corrugated sidewalls and cleats to carry materials at steep angles (even vertically) without spillage, maximizing space efficiency.



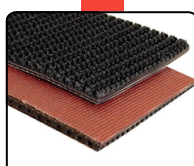
COAL FEEDERS

Coal Feeders are devices that regulate and control the flow of coal from storage to processing systems, ensuring a steady and accurate supply for efficient operation.



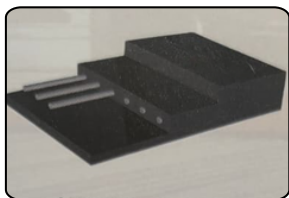
PVC BELTS

Polyvinyl chloride belts used in general conveying applications with options for flame resistance, anti-static properties, and textured surfaces.



ROUGH TOP BELTS

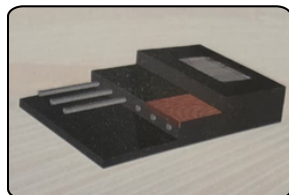
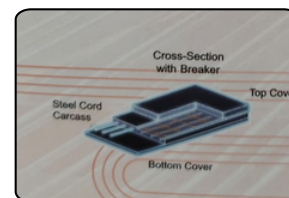
Feature a textured surface that provides extra grip for inclined conveying of packages or delicate items, reducing slippage and cushioning goods.



**MAXX STEELFLEX
STEEL CORD (ST)**



**MAXX STEELFLEX IW/IWR
WITH TRANSVERSE STEEL BREAKER**



**MAXX STEELFLEX FB
WITH TEXTILE RIP STOP BREAKER**



**MAXX STEELFLEX ROUND
PIPE BELTS WITH STEEL CORD REINFORCEMENT**

MAXX SUP AS+: the Zero Maintenance belt!

- Designed to convey wet and sticky materials
- Negligible Carry Back
- Reduction in Maintenance Costs
- <40mm³ abrasion resistance
- Extended Belt Life
- Compatible in any weather
- Compatible with Belt Cleaners

The AS+ is a benchmark because of its superior cleaning efficiency and the belt covers are fully anti stick, unlike some competitive products which only have a film coating that wears off after some use. The AS+ belt can take aggressive belt cleaners without any difficulty, though in our experience, scrapers need to 'work less' to clean more with the AS+!

Product Applications:

Gypsum • Wet coal • Iron and other ores • Compost • Wet Ash • Clay • Aggregates • Alumina • Copper leach • Sugar Coke • Hot Asphalt • Fertiliser

Product Characteristics:

Widths	: Plyed : EP/NN/ Maxx Armour: 500mm to 102"
	: Steel Cord : 750 mm to 3400mm (30" to 136")
Carcass	: EP INN, MAXX ROCK-, MAXX ARMOUR", MAXX STEELFLEX"
Ratings	: 200 to 3150 kN/m (110 to 1800 PW) I ST 500 to ST 7500 kN/m (270 to 3600 PIW)
No. of Plies	: 1 ply to 6 ply
Rubber Cover Thickness	: 1.5 mm to 25 mm (1/16" to 1")
Edges	: Cut/Moulded Edge
Splices	: Hot/Cold/Mechanical
Belt Identification	: Unique Product Identification Number at every 10 Mtr (33')

BEFORE AS+



AFTER AS+



THE ULTIMATE SOLUTION FOR HIGH-TEMPERATURE MATERIAL HANDLING

When your industry deals with materials exceeding 250°C, standard belts fail quickly. You need a specialized Ultra Heat Resistant Conveyor Belt built to withstand extreme thermal stress without cracking, hardening, or losing strength.

Ultra Heat Resistant Conveyor Belts (UHR Grade)—available in 250 and 300 Series—are engineered for the world's hottest materials, including red-hot sinter, furnace slag, clinker, coke, boiler ash, and incinerator residue.

Unlike regular heat-resistant belts, our proprietary EPDM-based rubber compound provides sustained performance under continuous temperatures up to 300°C and withstands intermittent peaks without losing its physical integrity.

These belts are designed for demanding industrial applications, ensuring maximum uptime, reduced maintenance, and long operational life even in the harshest mechanical, thermal, and impact conditions.

EXTREME THERMAL ENDURANCE – COMPLIANT WITH IS 1891

Each UHR conveyor belt is crafted using a next-generation EPDM compound, specifically formulated for ultra-high temperature resistance. Even during prolonged contact with blazing materials, these belts retain their strength, flexibility, and structural stability.

They are engineered to resist:

- **Thermal Hardening and Brittleness** – Prevents stiffening and embrittlement due to long-term heat exposure.
- **Deep Cracking and Surface Glazing** – Withstands repeated heat cycles without surface damage.
- **Softening and Adhesion Loss** – Maintains layer bonding even under extreme mechanical stress and heat.

ADVANCED ENGINEERING FOR INDUSTRIAL CONDITIONS

UHR conveyor belts are designed for more than just heat resistance. They are built to withstand aggressive mechanical and thermal environments found in high-capacity plants.

1. Advanced Carcass Structure

- Multi-ply EP (Polyester-Nylon) or NN (Nylon-Nylon) fabrics.
- Special treatment to resist shrinkage and maintain dimensional stability under prolonged heat cycles.

2. Reinforced Bonding Technology

- Strong adhesion between belt layers prevents delamination.
- Handles sudden thermal shocks without compromising belt safety.

3. Outstanding Wear Resistance

- High-abrasion top cover for rough materials like slag, clinker, and coke.
- Resists cuts, gouges, and material-induced surface damage.

4. Flexibility at High Temperatures

- Maintains pliability over pulleys and idlers.
- Reduces mechanical strain and extends pulley and roller life.

KEY BENEFITS OF ULTRA HEAT RESISTANT CONVEYOR BELTS

Choosing our UHR belts gives you multiple operational advantages:

- **Maximum Uptime:** Engineered to handle severe thermal stress without cracking or disintegrating.
- **Lower Lifecycle Costs:** Long belt life means fewer breakdowns, reduced downtime, and lower spare part expenses.
- **High Operational Safety:** Maintains structural integrity in the most aggressive conditions, ensuring safe operations.
- **Consistent Throughput:** Supports uninterrupted material flow, preventing costly production delays.
- **Custom Options:** Available with **RipStop fabric, flame retardant properties, oil resistance**, and other custom features.



INDUSTRIES & APPLICATIONS THAT DEMAND UHR BELTS

Ultra Heat Resistant Conveyor Belts are indispensable in industries where **continuous exposure to extreme heat** is unavoidable:

- **Sinter & Pellet Plants:** Handling hot sinters and pellets at discharge points.
- **Steel & Iron Foundries:** Transporting red-hot castings and high-temperature molding sand.
- **Furnace Discharge Systems:** Directly conveying slag and furnace output materials.
- **Cement Plants:** Moving hot clinker from rotary kilns to coolers.
- **Thermal Power Stations:** Managing high-temperature ash disposal systems.
- **Incineration Units & Waste-to-Energy Plants:** Transporting incinerator ash and combustion byproducts.
- **Coke Plants:** Handling coke during dry quenching operations.

RECOMMENDATIONS FOR MAXIMIZING BELT LIFE

Even with ultra-heat resistance, achieving the best performance depends on proper handling and installation:

- **Material Abrasiveness:** Sharp and rough particles accelerate wear opt for thicker covers.
- **Loading Impact:** Use controlled loading systems to minimize free-fall impact.
- **Material Size & Shape:** Sharp-edged materials can cause cuts select proper carcass strength.
- **Belt Length & Speed:** Longer and faster belts require tailored heat dissipation measures.
- **Chemical Exposure:** Combustion residue or fumes may degrade standard compounds custom compounds available.

COVER GRADE SELECT CHART

Cover Type	Standard / Grade	Min. Tensile Strength (MPa)	Min. Elongation at Break (%)	Max. Swelling in Fuel B (%)	Reference Material
High Oil Resistant	AR-HIOR	15	350	35	Convey materials like crude petroleum, oil-coated products, etc.
Oil Resistant	AR-OR / IS-OR / AS-Z / DIN-G	12.5	350	70	Materials like light oil-coated sand, food grains, oil-seeds, etc.
Moderate Oil Resistant	AR-MOR	12.5	350	110	Materials like oil seeds, wood chips, vegetable oil-coated products, etc.
Oil and Heat Resistant	AR-SOR-HR	12	300	70	Heat resistant up to 125°C, used for hot asphalt handling
High Heat and Oil Resistant	AR-SHR-SOR	12	300	55	Moderate heat resistant up to 100°C, for handling tar-coated material
Oil Resistant and High Abrasion	AR-OR-HAR	12	300	60	High wear resistant, meant for abrasive and oil-coated applications
Oil, Heat and Fire Resistant	AR-OR-HR-FR	12	300	60	Combined resistance to oil, heat, and fire for specialized industrial applications

MATERIALS AND BELT SURFACE TEMPERATURES

Heat Resistant Cover Type	Type of Rubber	Product Characteristics	Working Temperature (°C)	Maximum Peak Temperature (°C)	Belt Surface Temperature (°C)	Minimum Tensile Strength (MPa)	Minimum Elongation at Break (%)	Maximum Abrasion Loss (mm ³)	% Change in Tensile Strength and Elongation at Break after heat ageing at
MAXX SURYA 1	SBR/NR based	High Abrasion Resistance, suitable at low to medium temperature for carrying Coke, Lime Stone, Casting Sand etc.	80-100	125	60-100	12.5	350	200	100°C, 72 hrs; -25%, -40%
MAXX SURYA 2	SBR based	Good Abrasion Resistance, suitable for medium temperature used to carry Coke, Lime Stone, Casting Sand etc.	80-125	150	60-125	12.5	350	200	125°C, 72 hrs; -35%, -50%
MAXX SURYA 3	EPDM/SBR based	Extreme Heat Resistance, designed to carry hot load of material like Cement, Clinker, Lime Stone, Clay etc. This belt has non-cracking property.	80-150	180	60-150	12.5	350	200	125°C, 168 hrs; -35%, -50%
MAXX SURYA 4	EPDM based	Extreme Heat Resistance, non-hardening and non-cracking, designed to handle Hot Sinter, Hot Clinker, Hot Chemicals, Phosphates, Fertilizers etc.	80-180	220	60-180	10	350	200	150°C, 168 hrs; -40%, -55%
MAXX SURYA 5	EPDM based	Extreme Heat Resistance, non-hardening and non-cracking	80-200	250	60-200	14	350	150	150°C, 168 hrs; -40%, -55%
MAXX SURYA 6	EPDM based+	Extreme Heat Resistance, non-hardening and non-cracking	80-200	300	60-200	10	350	150	180°C, 168 hrs; -40%, -55%

NuvoTech Conveyor Rollers are built to support and guide belts under heavy mining loads, ensuring smooth movement, reduced friction, and longer system life, and Pulleys provide reliable drive, redirection, and tensioning of belts, offering durability and precise performance for continuous material flow in demanding mining conditions.



CARRYING ROLLERS

Support the loaded side of the conveyor belt and ensure smooth movement of bulk materials during transport.



RETURN ROLLERS

Support the return (unloaded) side of the conveyor belt to keep it aligned and sag-free.



IMPACT ROLLERS

Installed at loading zones to absorb shock and protect the belt from damage caused by falling heavy or abrasive materials.



GUIDE ROLLERS

Mounted vertically or laterally to prevent belt misalignment by guiding the belt back to the centerline.



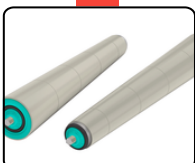
RUBBER-COATED ROLLERS

Steel rollers coated with rubber to enhance grip, reduce belt slippage, and minimize vibration and noise.



SPIRAL ROLLERS

Designed with helical patterns to help self-clean and shed sticky or moist material buildup from the belt surface.



TAPERED ROLLERS

Used in curved conveyor sections to maintain consistent belt tracking and prevent belt shifting on curves.



PVC / PLASTIC ROLLERS

Lightweight, corrosion-resistant rollers ideal for food-grade or wet environments with low noise and maintenance needs.



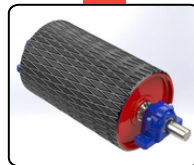
STEEL ROLLERS

Strong, durable rollers suitable for heavy-duty applications with high load-bearing capacity and long service life.



GARLAND ROLLERS

A series of interconnected rollers used in suspended conveyor systems to offer flexibility and shock absorption in uneven terrain or long spans.



DRIVE PULLEY

The main powered pulley that drives the conveyor belt by transmitting torque from the motor to move the belt forward.



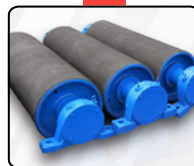
TAIL PULLEY

Located at the end of the conveyor, it redirects the belt back to the drive pulley and helps maintain proper tension.



SNUB PULLEY

Positioned close to the drive pulley to increase the belt wrap angle, improving traction and reducing belt slippage.



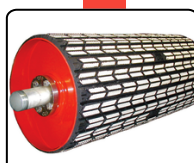
TAKE-UP PULLEY

Used to adjust and maintain proper tension in the conveyor belt system, typically part of an automatic or manual tensioning system.



WING PULLEY

A self-cleaning pulley with a winged structure that expels material build-up, ideal for dirty or sticky applications.



LAGGED PULLEY

A pulley covered with rubber or ceramic lagging to enhance friction, reduce belt slippage, and increase service life.



HOT VULCANIZING PRESS

Used for hot splicing of conveyor belts by applying controlled heat and pressure for strong, seamless joints.



HYDRAULIC VULCANIZING PRESS

Applies pressure using a hydraulic system, ideal for heavy-duty and large belt splicing with consistent bonding.



FRAME VULCANIZING PRESS

Compact and sturdy press with a rigid frame design, suitable for both on-site and workshop vulcanizing.



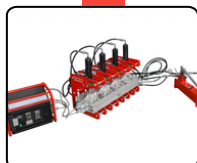
SPOT VULCANIZING PRESS

Designed for localized repairs of small belt damages like cuts or gouges, offering fast and targeted patching.



AIR COOLING VULCANIZING PRESS

Equipped with built-in air-cooling fans for faster cooling and reduced downtime after splicing.



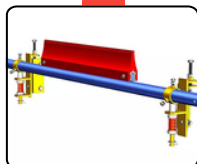
RIP AND EDGE REPAIR PRESS

Specialized press for repairing edge damages and longitudinal rips, ensuring quick restoration without full belt replacement.



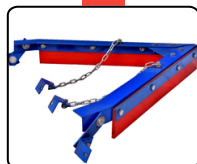
PRIMARY BELT CLEANERS

Installed at the head pulley to remove the bulk of carryback material from the conveyor belt surface.



SECONDARY BELT CLEANERS

Mounted after the primary cleaner to scrape off remaining fines and residue for a cleaner belt.



V-PLOW BELT CLEANER

Installed on the return side of the belt to prevent debris from reaching and damaging the tail pulley.



METAL DETECTOR

Detects and removes ferrous and non-ferrous metal contaminants from conveyor lines to protect downstream equipment.



MAGNETIC SEPARATOR

Uses strong magnets to extract ferrous materials from conveyed products, ensuring product purity and machinery protection.



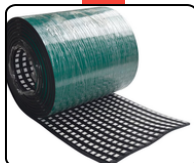
MOBILE CRUSHERS

Portable machines used to crush rocks or construction materials on-site, ideal for mining, quarrying, and recycling applications.



DIAMOND LAGGING

Diamond Lagging improves pulley traction, reduces slippage, aligns belts, and sheds water or debris for smoother conveyor performance.



CERAMIC LAGGING

Ceramic Lagging uses ceramic tiles in rubber backing to maximize grip, prevent slippage, and extend pulley and belt life, ideal for wet, abrasive, or high-load applications.



SKIRTING RUBBER

Skirting Rubber prevents spillage at conveyor loading and transfer points, guiding material onto the belt for cleaner, safer operation. Available in various sizes and compounds for quick delivery.



BELT WINDERS & HOLDING STANDS

Used to safely wind, unwind, and support heavy conveyor belts during installation or maintenance operations.



NUVOTECH FENDERS

Shock-absorbing barriers designed to protect structures or equipment from collision damage, commonly used near loading zones.



MOBILE BARGE LOADING SYSTEM

A portable conveyor system used to load or unload materials onto ships or barges, especially in ports and terminals.



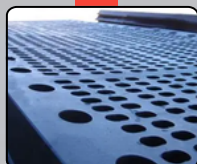
BELT SCANNERS

A high-tech tool that monitors conveyor belt health by detecting cuts, tears, and misalignment in real time for preventive maintenance.



V-BELTS

A power transmission belt with a V-shaped profile, used to transfer motion and torque between pulleys in various machinery.



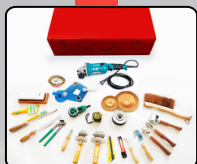
SCREENING SOLUTIONS

Equipment designed to separate materials by size or type, widely used in mining, construction, and material processing industries.



CONVEYOR BELT SCALES

measure material flow and total load on conveyors, providing accurate real-time data for monitoring, inventory, and process control in mining, cement, power, ports, and aggregate industries.



SPLICING TOOL KIT

A complete set of tools for hot or cold splicing, cutting, and skiving of conveyor belts during repair or installation.



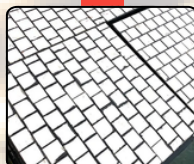
RUBBER LININGS

Rubber Linings protect mining equipment from abrasion, corrosion, and impact, making them ideal for chutes, hoppers, pipelines, and slurry tanks while extending service life.



PU & UHMWPE LINERS

PU & UHMWPE Liners are high-impact, resilient solutions that prevent damage, reduce noise, and are ideal for screening, transfer points, and vibrating equipment.



RUBBER-BACKED CERAMIC TILES

Ceramic Rubber Linings combine ceramic strength with rubber's shock absorption, offering extreme wear resistance and impact protection for transfer chutes, bins, and cyclone spigots.



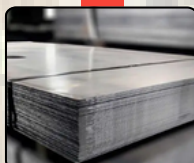
CERAMIC LININGS

Pure Ceramic Linings provide exceptional hardness and are ideal for extremely abrasive or corrosive applications such as pipelines, elbows, separators, and material handling systems.



CCO PLATE LINING

CCO Plates are steel plates overlaid with wear-resistant chromium carbide, offering excellent hardness for high-stress, high-abrasion applications like conveyor systems, mining buckets, and crushers.



NUVOTECH ULTRAWEAR

NuvoTech UltraWear is a tough, wear-resistant steel plate designed for extreme abrasion, ensuring longer life and high productivity.

OUR SERVICES

ENGINEERING SERVICES

Customized design, analysis, and optimization of conveyor systems to improve efficiency, safety, and performance.

BELT INSTALLATION SERVICE

Professional on-site installation of conveyor belts, ensuring proper alignment, tensioning, and system integration.

LININGS SERVICES

Application of abrasion-resistant linings (rubber, ceramic, or PU) inside chutes, hoppers, and bins to protect surfaces from wear and corrosion.

LAGGING SERVICES

Installation of rubber or ceramic lagging on pulleys to improve belt grip, reduce slippage, and extend pulley life.

BELT SPLICING SERVICES

Hot or cold splicing of conveyor belts to join belt ends or repair damages, ensuring strong, durable, and seamless connections.

At Shreema Nuvotech Pvt. Ltd., our journey has always been guided by a clear vision to be the trusted One-Stop Solution for all conveyor needs. Over the years, we have built our reputation on innovation, reliability, and customer-focused service.

Every product we deliver from belts to rollers, pulleys, and specialized spares reflects our commitment to excellence, durability, and value. We understand that in industries such as mining, cement, steel, and power, efficiency is non-negotiable. That's why we stand by our promise of superior quality, competitive pricing, and timely delivery.

For us, each customer is more than a client they are a long-term partner in progress. Together, we aim not only to keep industries moving but also to set new benchmarks in performance and trust.

With Shreema Nuvotech Pvt. Ltd., you don't just get products you gain a dedicated team committed to supporting your success, every step of the way.



Bina Thermal Power plant



Nigrie Thermal Power Plant

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