10 YEARS
Industry Expertise

NEXOTHERM INDUSTRIES PVT LTD

An ISO 9001:2015 Certified Company



Engineered For Extreme High Temperature

Built For Performance

Manufacturer, Supplier, Exporter & Importer offering a comprehensive range of removable flex wrap insulation blankets for high-performance Thermal, Acoustic & Energy saving insulation blankets.

Our Products :

- → Flex Wrap Energy Saving Blanket
- → Flex Wrap Insulation Blanket
- → Metallic Heat Shield Insulation
- → Fabric Expansion Joints / Bellows
- → Cable & Hose Protection Sleeve
- → Metallic Expansion Joints
- → Rubber Expansion Joints
- → HT Technical Textile / Welding Blanket
- → Heat Insulation Tapes
- → Ceramic Fibre Products
- → Material Handling Equipment

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NEXOTHERM INDUSTRIES PVT LTD



Engineering Smarter Thermal Protection For Extreme Industrial Environments

Nexotherm Industries Pvt Ltd is **An ISO 9001:2015 Certified Company** leading manufacturer and supplier of high-performance thermal insulation blankets, metallic heat shield, expansion joints, and high-temperature technical textiles.

We provide customized, removable & reusable insulation solutions for turbines, pumps, valves, exhaust systems, ducts & industrial machinery.

With strong engineering expertise and precision fabrication capabilities, we help industries achieve energy savings, equipment protection, personnel safety & reduced maintenance downtime. Our products are designed to perform in extreme temperatures from -35°C to 1600°C while complying with major industrial standards.

OUR MISSION

to empower industries with reliable, high-performance, and sustainable thermal systems that improve operational efficiency, ensure safety, and contribute to a smarter industrial future through continuous engineering innovation.

OUR VISION

a world where extreme industrial operations coexist seamlessly with environmental stewardship. As the global landscape demands higher efficiency & stricter compliance, Our aims to be the definitive architecture behind the world's most secure thermodynamic systems



Industries & Applications

Oil & Gas | Power | Steel & Metal | Cement | Automotive | Chemical | Engineering | Manufacturing

NEXOTHERM INDUSTRIES PVT LTD

Flex Wrap Energy Saving Blanket

Protect your critical assets and stop profit-draining thermal loss with high-performance Thermal Insulation Blankets. Designed to trap heat at the source, our custom jackets deliver immediate energy savings while improving operational efficiency across your facility.

These removable and reusable insulation solutions are custom-engineered for industrial equipment and are designed for quick removal and reinstallation during routine maintenance and inspections.










KEY ADVANTAGES

- ✓ Reduced Maintenance Downtime
- ✓ Up To 85% Energy Saving
- ✓ Acoustic Insulation
- ✓ Minimized Radiant Heat Loss
- ✓ Weather & Chemical Resistance
- ✓ Flexible Custom Fit
- ✓ Thermal & Mechanical Protection
- ✓ Environmental Compliance
- ✓ Reduced Room Temperature
- ✓ Fire Protection
- ✓ Enhanced Personnel Safety
- ✓ Asbestos-Free & Eco-Friendly

KEY INDUSTRY APPLICATIONS

- ✓ Power Generation & Cement Plants
- ✓ Chemical, Petrochemical & Fertilizer
- ✓ Steel & Heavy Metallurgy
- ✓ Pharmaceutical & Food / Beverage
- ✓ Shipbuilding & Marine / Offshore
- ✓ Polymer, Plastics & Automotive
- ✓ Pulp, Paper & Packaging

PRODUCT DESCRIPTION	PRODUCT CODE	TEMPERATURE	THICKNESS
Flex Wrap Removable & Reusable Insulation Blankets for Turbines, Pumps, Valves, Industrial Equipment & Piping, etc.	DURATOUGH-PRO-FWB-600 DURATOUGH-MAX-FWB-750 DURATOUGH-ULTRA-FWB-1000 DURATOUGH-SUPER-ULTRA-FWB-1600 (Intermittent)	-35°C TO 600°C -35°C TO 750°C -35°C TO 1000°C -35°C TO 1600°C	15 MM to 250 MM As per Site requirement

Our thermal systems are fully customizable according to client specifications, engineering drawings, physical dimensions, temperature ratings and operational environments.

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NEXOTHERM INDUSTRIES PVT LTD

Flex Wrap Insulation Blanket

Flex Wrap Insulation Blankets are removable, reusable and custom-engineered thermal insulation designed for engines, exhausts, manifolds, turbos, turbines, pumps, valves, piping and complex industrial equipment. Multi-layer insulation blankets provide heat retention, energy saving, personnel safety and quick access for inspection and maintenance.



KEY ADVANTAGES

- ✓ Reduced Maintenance Downtime
- ✓ Up To 85% Energy Saving
- ✓ Acoustic Insulation
- ✓ Minimized Radiant Heat Loss
- ✓ Weather & Chemical Resistance
- ✓ Flexible Custom Fit
- ✓ Thermal & Mechanical Protection
- ✓ Environmental Compliance
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KEY INDUSTRY APPLICATIONS

- ✓ Power Generation & Cement Plants
- ✓ Chemical, Petrochemical & Fertilizer
- ✓ Steel & Heavy Metallurgy
- ✓ Pharmaceutical & Food / Beverage
- ✓ Shipbuilding & Marine / Offshore
- ✓ Polymer, Plastics & Automotive
- ✓ Pulp, Paper & Packaging

PRODUCT DESCRIPTION	PRODUCT CODE	TEMPERATURE	THICKNESS
Flex Wrap Removable & Reusable Insulation Blanket for Engine Exhaust System & Turbine	TEMP-PRO-FW-600 TEMP-MAX-FW-750 TEMP-ULTRA-FW-1000 TEMP-SUPER-ULTRA-1600	Up to 600°C Up to 750°C Up to 1000°C Up to 1600°C Intermittent	15 MM to 250 MM Turbine 200MM to 250MM

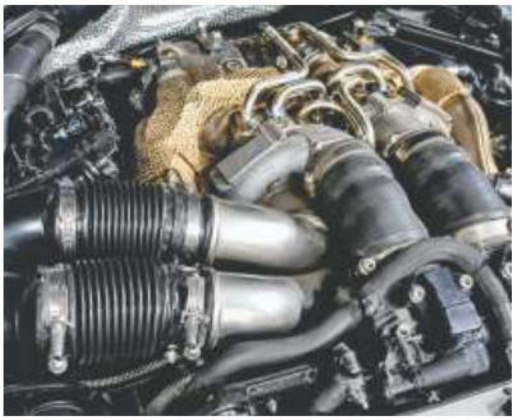
NEXOTHERM INDUSTRIES PVT LTD

Metallic Heat Shield Insulation

Metallic heat shield insulation combines a durable outer foil with high-temperature insulation to protect exhaust components. Designed to contour to complex shapes, it is available in removable or welded-on options.








Metallic Heat Shield Insulation delivers reliable thermal, mechanical and acoustic protection for critical equipment operating in demanding environments.

KEY ADVANTAGES

- ✓ **Exceptional Durability**
- ✓ **Corrosion & Vibration Resistant**
- ✓ **Flexible For Complex Shapes**
- ✓ **Highly Customizable**
- ✓ **Premium Metallic Appearance**
- ✓ **Reduced Surface Temperature**
- ✓ **Improved Exhaust Efficiency**
- ✓ **Lower Engine Bay Heat Load**
- ✓ **Environmental Compliance**

KEY INDUSTRY APPLICATIONS

✓ **Engine & Powertrain Components**	**Turbocharger Housings & Wastegates** Custom-moulded metallic blankets or shields retain exhaust energy inside the turbo and protect the engine bay.	**Exhaust Manifolds & Headers** Wrapped or rigid metallic shields prevent heat from radiating toward plastic components and wiring.
✓ **Industrial Genset & Machinery Components**	**Exhaust Silencers (Mufflers)** Heavy-duty metallic cladding helps lower ambient temperatures around generator rooms and enclosures.	**Enclosure Canopies** Metallic foil sheets protect canopy walls around exhaust exit points and reduce external surface heat.
✓ **Electronics & Control Units**	**ECUs & PLCs** Metallic heat barriers protect microprocessors, wire harnesses & control boxes from incoming infrared radiation.	**Battery Trays** Protective metallic enclosures or wrap-around shields help keep ambient engine heat away from battery cells.

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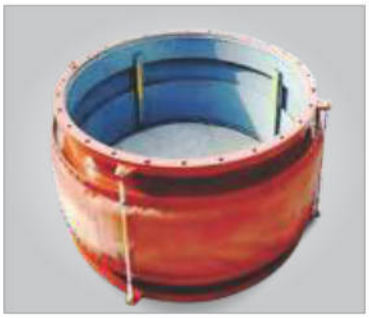
NEXOTHERM INDUSTRIES PVT LTD

Fabric Expansion Joints / Bellows

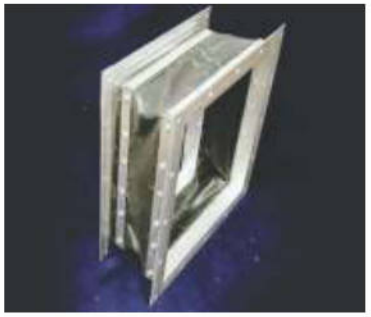
Fabric expansion joints are crafted from premium woven fabrics, coated or laminated with selected elastomers or fluoropolymers to deliver outstanding insulation, reduce mechanical stress and protect against abrasion.

Engineered for maximum flexibility, these joints absorb movements in multiple directions simultaneously. They generate almost no reactive forces, take up minimal space and are suitable for low-pressure systems with dry media.







KEY ADVANTAGES

- ✓ Multi-Directional Movement
- ✓ Minimal Reactive Forces
- ✓ Extreme Temperature Resistance
- ✓ Insulation & Abrasion Protection
- ✓ Vibration & Noise Control
- ✓ Custom Engineered

TYPES OF EXPANSION JOINTS

- ✓ Belt-Type Expansion Joint
- ✓ Vertical Flange Fabric Expansion Joint
- ✓ Parallel Flange Expansion Joint
- ✓ Parallel Flange with Insulation Bolster
- ✓ Floating Sleeve Construction
- ✓ Hot To Cold Duct Transition
- ✓ Refractory-Lined Duct Expansion Joint

KEY APPLICATION INDUSTRIES

- ✓ Steel, Copper, Zinc & Aluminium Smelters
- ✓ Coal & Nuclear Power Plants
- ✓ Energy & Heavy Industry
- ✓ Cement Plants, Kilns & Lime Works
- ✓ Industrial Furnaces & Sinter Plants
- ✓ Chemical, Petrochemical & Fertilizer Facilities
- ✓ Pharmaceuticals, Paints & Dyes
- ✓ Food & Beverage Processing
- ✓ Shipbuilding & Offshore Platforms
- ✓ Ductwork, Fans & Environmental Systems
- ✓ FGD & Waste Heat Recovery
- ✓ Boilers, Air Preheaters & Chimneys
- ✓ Gas Turbines, Reformer Tubes & Incinerator Plants
- ✓ Dust Extraction, Filter Systems, ESPs & Bag Filters
- ✓ Fan Inlets/Outlets, Cooler Circuits & Coal Mill Ducts

NEXOTHERM INDUSTRIES PVT LTD

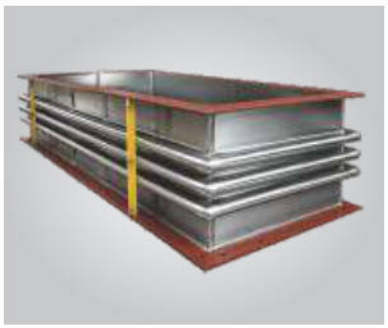
Metallic Expansion Joints

Metallic expansion joints, often called bellows expansion joints, are precision-engineered components designed to absorb movement, stress and vibration in industrial piping systems.

They act as a flexible link, allowing pipes to expand, contract or shift without structural damage or leaks.







KEY ADVANTAGES

- ✓ Thermal Expansion & Contraction
- ✓ Misalignment Compensation
- ✓ Low-Maintenance Installation
- ✓ Vibration Isolation
- ✓ Stress & Leak Protection
- ✓ Custom Engineered

TYPES OF METALLIC EXPANSION JOINTS

- ✓ Axial
- ✓ Universal
- ✓ Hinged
- ✓ Gimbal
- ✓ Pressure Balanced

KEY COMPONENTS

- ✓ Metallic Bellows
- ✓ Flanges / Weld Ends
- ✓ Tie Rods & Limit Rods
- ✓ Hinges & Movement Control Hardware

INDUSTRIAL APPLICATIONS

- ✓ Power Generation
- ✓ Complex Pipe Layouts
- ✓ Industrial Machinery
- ✓ Petrochemical & Oil Systems
- ✓ Chemical & Process Industries
- ✓ High-Performance Piping Networks

We specializes in custom-engineering expansion joints according to specific process requirements, operating conditions and piping movement.

PRODUCT CODE : N-MEJ

- ✓ Custom-engineered according to application requirements.
- ✓ Delivered with integrated SS or MS companion flanges where required.
- ✓ Low-maintenance and tool-friendly installation.
- ✓ Configurations available for axial, lateral, angular and pressure-balanced movements.
- ✓ Technical specifications can be developed according to the customer's drawing and design requirements.

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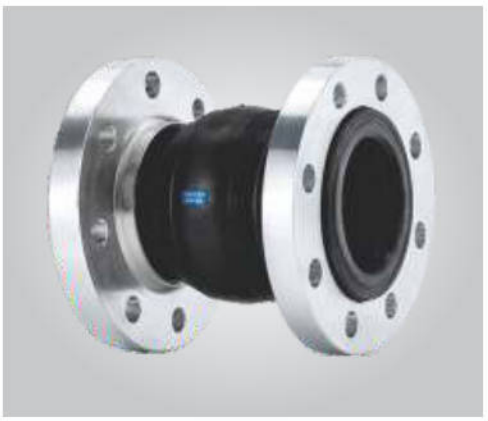
NEXOTHERM INDUSTRIES PVT LTD

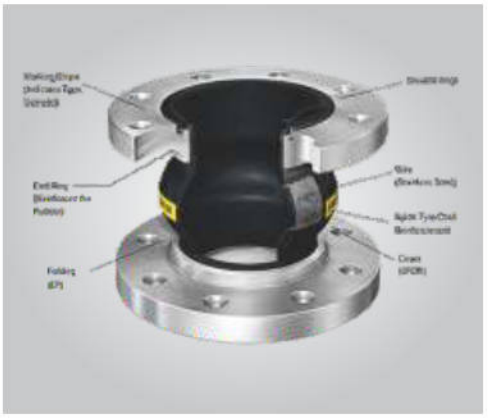
Rubber Expansion Joints

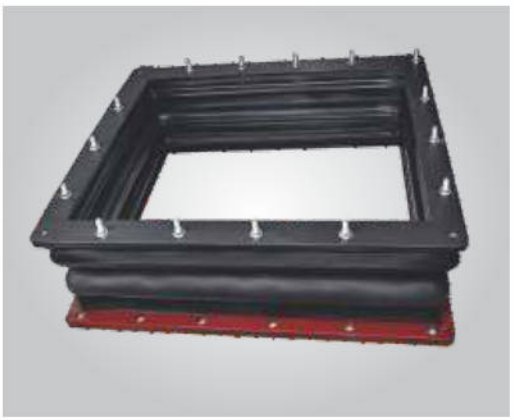
Rubber expansion joints, often called bellows expansion joints, are precision-engineered components designed to absorb movement, stress and vibration in industrial piping systems.

They act as a flexible link, allowing pipes to expand, contract or shift without structural damage or leaks.








KEY ADVANTAGES

- ✓ Noise & Vibration Reduction
- ✓ Superior Flexibility
- ✓ Long Service Life
- ✓ Durability & Life Span
- ✓ Flexible & Reliable Connection
- ✓ Application Versatility

KEY INDUSTRY APPLICATIONS

- ✓ Power Plants
- ✓ Marine & Offshore
- ✓ Desalination Plants
- ✓ Food & Beverage Processing
- ✓ Water Treatment Plants
- ✓ Chemical Processing Plants
- ✓ Sewage & Wastewater Systems
- ✓ Pulp & Paper Plants

Rubber Expansion Joints are designed according to specific process requirements, operating conditions and piping movement.

PRODUCT CODE : N-REJ

NEXOTHERM INDUSTRIES PVT LTD

Cable & Hose Protection Joints

We manufacturer & Importer of high-temperature protective Pyro Jacket/Fire Sleeve made of knitted high-expansion fiberglass & bulk fibre E-woven glass , coated with high-temperature iron oxide red silicon rubber. It provides critical thermal insulation and flame protection for vital industrial systems.

Designed to withstand continuous operating temperatures of 260°C & short-term thermal flash exposure up to 1600°C, This product is designed for high-temperature applications like molten metal splashes, abrasion & heat resistance.










KEY ADVANTAGES

- ✓ Exceptional Radiant Heat Protection
- ✓ Extreme Temperature Resistance
- ✓ Removable For Maintenance
- ✓ Critical Fire Protection
- ✓ Molten Splash Protection
- ✓ Flexible Fastening Options

HIGH TEMPERATURE SLEEVE TYPES

- ✓ Pyro Jacket / Fire Sleeve - Up to 1600°C
- ✓ Fiber Glass Sleeve - Up to 545°C
- ✓ Silicon Fiber Glass Sleeve - Up to 600%°C with & without insulation
- ✓ Aluminized Aramid Fiber Sleeve with & without insulation & velcro. - Up to 1000°C
- ✓ Aluminized Glass Sleeve - Up to 700°C
- ✓ Ceramic Fibre Sleeve with & without insulation & velcro. - up To 1260°C
- ✓ Aluminized & Braided Silica Sleeve - Up To 1649°C

INDUSTRIAL APPLICATIONS

- ✓ Electrical Cables & Wire Harnesses
- ✓ Hydraulic & Pneumatic Hoses
- ✓ Electric Motor Covers
- ✓ Cable Tray Insulation
- ✓ Instrument Panel Covers
- ✓ Steel, Cement & Smelter Plants

High-temperature protective sleeves are designed for critical industrial components requiring thermal insulation, flame protection, abrasion resistance and molten-splash protection.

- ✓ Continuous and short-term high-temperature protection according to sleeve type.
- ✓ High-expansion fiberglass, silicone, aramid and aluminized constructions available.
- ✓ Protection against radiant heat, flame, abrasion and molten metal splash.
- ✓ Flexible fastening options including integrated Hooks & Loops / Velcro.
- ✓ Available in multiple diameters, wall thicknesses and roll lengths.

PRODUCT CODE : N-PJFS-1600°C

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NEXOTHERM INDUSTRIES PVT LTD

High Temperature Technical Textile / Welding Blanket

We manufactures & supplies a wide range of high-temperature technical textiles designed for Welding Blankets, Fire Blankets, Insulation Jacketing, Fabric Expansion Joints, Energy Saving Jackets and Safety Products.

Our technical textile range covers temperatures from 180°C to 1649°C and is available in Fiberglass, Vermiculite Glass, Silicon Fibre Glass, Ceramic, Vermiculite Ceramic, Silica and Kevlar / Aramid constructions.






KEY ADVANTAGES

- ✓ Extreme Temperature Resistance
- ✓ High Heat & Flame Resistance
- ✓ Multiple Material Options
- ✓ Fire & Welding Protection
- ✓ Custom Sizes Available
- ✓ Industrial Standards

KEY INDUSTRY APPLICATIONS

- ✓ Steel Plants
- ✓ Glass & Aluminium Foundry
- ✓ Automobile Industry
- ✓ Ship Building
- ✓ Petrochemical Plants
- ✓ Smelter Applications
- ✓ Engineering Industries
- ✓ Construction

ITEM CODE	DESCRIPTION	TEMPERATURE	THICKNESS	CLOTH SIZE (W×L)	FIRE & WELDING BLANKET SIZE (W×L)
N-SIL-1649	96 % Pure Silica Cloth / Welding Blanket	1649°C	0.8 & 1.4 MM	36 X 50 Mtr	1 Mtr X 1 Mtr, 2 Mtr X 2 Mtr, 3 Mtr X 3 Mtr, 4 Mtr X 4 Mtr & Customised with eyelet and loops.
N-ASIL-1649	Aluminized Silica Cloth	1649°C	0.8 & 1.4 MM	36 X 50 Mtr	
N-CG-1260	Ceramic Glass Cloth/Welding Blanket	1260°C	2 & 3 MM	40 X 30 Mtr	
N-CGV-1260	Ceramic Vermiculite Welding Blanket	1260°C	2 & 3 MM	40 X 30 Mtr	
N-GLV-816	Vermiculite Glass Cloth/Welding Blanket	816°C	1.2 & 1.8 MM	40 X 50 Mtr	
N-GLG-700	Graphite Coated Fabric Cloth/Welding Blanket	700°C	1.2 & 2 MM	40 X 50 Mtr	
N-GL-545	Fabric Glass Fabric Cloth/Welding Blanket	545°C	1.2 & 3 MM	40 X 50 Mtr	
N-KFG-400	Aramid (DuPont Kevlar) Fabric Cloth/Welding Blanket	400°C	1.5 MM	40 X 50 Mtr	
N-AKFG-400	Aluminized Kevlar Fiber Glass Fabric	400 °C	1.5 MM	40 X 50 Mtr	
N-AGL-700	Aluminized Fiber Glass Cloth/Welding Blanket	700°C Radiant Heat	0.5 & 1.2 MM	40 X 50 Mtr	
N-SGL-480	Silicon Glass Fabric Cloth/Welding Blanket	360°C Short Term 1000°C	0.5, 1 & 1.5 MM	40 X 50 Mtr	

- ✓ Fabric temperature range from 180°C to 1649°C.
- ✓ Available in silica, ceramic, glass, silicon, vermiculite, aluminized glass and Kevlar / Aramid.
- ✓ Welding blankets available in standard and customised sizes.
- ✓ Edges can be stitched with high-temperature PTFE-coated fiberglass or Kevlar sewing threads.
- ✓ Manufactured according to applicable EN 1689, IS 11871, ISO 6940, BS 476 & ASTM requirements.

NEXOTHERM INDUSTRIES PVT LTD

High-Temperature Heat Insulation Tapes

We offers a wide range of high-performance heat-resistant adhesive and non-adhesive tapes engineered for demanding industrial applications. Our range includes Hi-Silica, Hi-Glass, Vermitech, Ceramic, Aluminium Foil and Aluminized Glass tapes, available in different widths, thicknesses and temperature ratings.










KEY ADVANTAGES

- ✓ High Temperature Resistance
- ✓ Heat & Spatter Protection
- ✓ Multiple Material Options
- ✓ Ready Stock & Cost Effective

KEY INDUSTRY APPLICATIONS

- ✓ Electrical Cables
- ✓ Industrial Wrapping
- ✓ Induction Coils
- ✓ Pipes & Hoses
- ✓ Steam Tracer Lines
- ✓ Electrical Connections

TYPE	ITEM CODE	TEMPERATURE	SIZE (W × L)	THICKNESS
Fiber Glass Tape/Rope	N-FGT	545°C	1", 2", 3", 4" X 30 Mtr.	1,2MM & 3 MM
Vermiculite Glass Tape	N-VGT	816°C	2", 4" X 30 Mtr.	3 MM
Aluminium Foil Tape	N-AFT	500°C	2", 3,4" X 20 & 50 Mtr	20, 30 µ
Ceramic Glass Tape	N-CGT	1260°C	2", 3,4" X 30 Mtr	3 MM
Aluminized Glass Tape	N-AGT	545°C Radiant Heat 700°C	2", 4" X 10 Mtr, 20 Mtr	1 MM
High Temp. Silica Adhesive Tape	N-SAT	1000°C Short Term 1649°C	2", 4" X 10 Mtr, 20 Mtr	1 MM – 2 MM.
Self-Amalgamation Tapes (Electrical Insulation Tapes) High-voltage rated (30–35 KV) (Instant self-fusing seal under tension)	N-SAT	-40°C to 200°C Sealing and protecting cable connections and terminals. • Extra insulation for high-voltage cables. • Replacing aged insulation. • Corrosion protection for metal pipes. • Waterproofing cables and electrical components.	1", 2" x 20 Mtr.	0.5 MM
Ceramic Ropes/Glass Ropes (Square & Round) reinforce with Glass & SS Wire/Inconel Fibre Glass Rope - R/SQ	N-CC-R/SQ N-CG-R/SQ N-FGT-R/SQ	1260°C 545°C 540°C	6 MM To 25 MM X 30 Mtr 30 MM To 80 MM X 10 Mtr/20Mtr 3 MM To 25 MM X 30 Mtr 30 MM To 150 MM X 10 Mtr/20Mtr	6 MM to 80 MM (Dia)
Ceramic Fiber Blanket	N-CFB- 96/128	1260°C	610 MM X 7300 MM Density: 96 / 128 Kg/m3	12 MM, 25 MM, 50, 50 MM
Ceramic Boards	N-CB	1260°C, 1460°C	Density: 300, 325 Kg/m3	5 MM - 50 MM
Ceramic Paper	N-CP	1260°C, 1460°C	Density: 200 Kg/m3	1 MM - 6 MM

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NEXOTHERM INDUSTRIES PVT LTD

Advanced Ceramic Fibre Series

We offers a comprehensive line of advanced Ceramic Fiber insulation products, essential for industries requiring robust, lightweight thermal management in the presence of extreme heat.

The series is manufactured using a high-tech process and premium-quality materials to ensure maximum temperature, safety, exceptional durability and compliance with industry requirements.











KEY ADVANTAGES

- ✓ High-Temperature Resistance
- ✓ Excellent Heat Shielding
- ✓ Customizable Options
- ✓ Lightweight Construction
- ✓ Chemical Resistance
- ✓ Thermal Efficiency & Energy Savings

INDUSTRIAL APPLICATIONS

- ✓ Petrochemical Industry
- ✓ Manufacturing Environments
- ✓ Waste Incineration
- ✓ Ceramics & Glass
- ✓ Metallurgy & Heat Treating
- ✓ Construction & Thermal Insulation

CERAMIC FIBRE PRODUCT RANGE

- ✓ Ceramic Fiber Blanket - N-CFB-96/128
- ✓ Ceramic Fiber Rope - N-CC-R/SQ
- ✓ Ceramic Fiber Paper - N-CP
- ✓ Ceramic Fiber Cloth - N-CG
- ✓ Ceramic Fiber Module - N-CFM
- ✓ Ceramic Fiber Blanket - N-CFB-96/128

We provides ceramic fibre products in multiple forms, densities, temperature grades and thicknesses to meet demanding thermal insulation requirements.

- ✓ Ceramic Fiber Blanket up to 1260°C with 96 / 128 kg/m³ density.
- ✓ Ceramic Boards available at 1260°C and 1460°C with 300 / 325 kg/m³ density.
- ✓ Ceramic Paper available at 1260°C and 1460°C with 200 kg/m³ density.
- ✓ Ceramic Fiber Cloth rated to 1260°C with fiberglass reinforcement and optional alloy wire.
- ✓ Ceramic Fiber Modules support rapid installation, thermal cycling and low heat storage.

NEXOTHERM INDUSTRIES PVT LTD

Material Handling Equipment

We at Nexotherm Industries Pvt Ltd undertake all manufacturing of material handling equipment. We have got handful of knowledge in the field of material handling equipment and general fabrication work.










Overhead Conveyor	Skid Conveyor	Idler & Powered Roller Conveyor	Trolleys & Hangers
Manufacturing of all type of overhead conveyor.	Skid Conveyor Power Roller Bed, Buffer Storage Conveyor, Cross Chain Conveyor & Double Chain Conveyor.	Manufacturing of Idler Roller and Powered Roller Conveyor.	Manufacturing of Trolleys as per Client design & manufacturing of hangers for Overhead Conveyor.

CONVEYOR COMPONENTS

Key components engineered for reliable operation of overhead conveyor systems.

Drop Forged Rivet less Chains



Constructed from premium alloy steel, polished, and heat-treated to maximize fatigue wear resistance.

The modular interlocking pattern permits swift manual disassembly without tools.

Heavy Duty Chain Trolleys



Our trolleys feature rugged forged brackets fitted with fully-sealed, precision-ground industrial ball bearings.

Available with straight, bent, or specialized attachment hooks to cradle varied custom jig or fixture types.

Caterpillar Drive Units



Engineered for smooth line velocities, these units minimize surging and mechanical pulsing.

Backed by adjustable torque limiters to automatically halt transport if inline obstruction forces spike.

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NEXOTHERM INDUSTRIES PVT LTD

Material Handling Equipment

Advanced Overhead Conveyor Systems

Four-wheel bi-planar conveyors are advanced overhead material handling systems engineered to navigate complex, multi-dimensional plant layouts.

✓ **Four-Wheel Bi-Planar Chain Conveyor**
Heavy-duty continuous load support rated between 40 kg to 60 kg per Mtr. Manufactured with rust-proof mild steel track structures.

✓ **Heavy-Duty Material Transfer System**
Built for large industrial footprints and scalable across continuous spans ranging from 30 meters to 1,000 meters.

✓ **High-Speed Automated Systems**
Fully automated line integration capable of handling lighter, fast-moving continuous lines at speeds up to 120 m/min.



Biplanar Conveyor
Caterpillar Drive Unit









SYSTEM SPECIFICATIONS

COMPONENT / PARAMETER	SPECIFICATION OPTIONS
Chain Pitch Sizing	Standard configurations in **6", 8", 10", & 12"**;
Drive Mechanisms	High-torque **Caterpillar drive units** for long continuous lines or localized **Sprocket drive units** for shorter setups.
Mounting Architecture	Flexible installation configurations including **ceiling structural steel grid suspension, wall brackets,** or **floor-supported pillars**.

Chain pitch	6”	8”	10”	12”
Hooking pitch	304.8	406.4	508	609.6
Capacity in KG single point hooking	40 - 60	40 - 60	40 - 60	40 - 60
Load bar arrangement hooking pitch	609.6	812.8	1016	1219.2
Capacity with load bar arrangement with per hooking	80 - 120	80 - 120	80 - 120	80 - 120

NEXOTHERM INDUSTRIES PVT LTD

Material Handling Equipment

Industrial Belt Conveyor Systems

Industrial belt conveyor systems are versatile material handling solutions designed for the continuous horizontal, inclined, or declined transport of bulk materials and unit loads.

✓ **Flat Belt Conveyors**

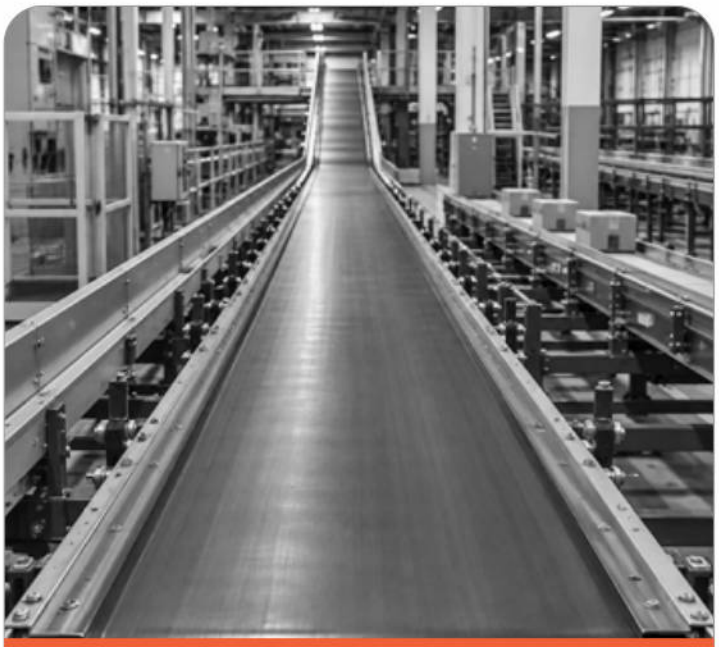
Features a continuous flat fabric, PVC, or rubber belt stretched across end pulleys, optimized for general assembly lines, sorting, light packaging, and product transfer.

✓ **Trough-Type Bulk Material Conveyors**

Engineered with angled idler rollers (troughing sets) that force the belt into a "U" shape, preventing spillage of loose or granular materials.

✓ **Cleated & Incline Conveyors**

Outfitted with vertical barriers or "cleats" moulded into the belt surface to secure items and stop them from rolling back during steep incline or decline transfers.



Industrial Belt Conveyor



Industrial Belt Conveyor

Roller Conveyor Systems

Powered and idler (gravity) roller conveyor systems are foundational material handling solutions built from a series of parallel rotating steel or plastic tubes.

They are engineered to transport items with flat bottoms, such as cartons, boxes, pallets, and totes, across manufacturing floors, warehousing facilities, distribution centers, and shipping docks.

✓ **Gravity (Idler) Roller Conveyors**

Non-powered systems where rollers spin freely on internal bearings. Movement is achieved either manually or by setting the conveyor on a downward incline to let gravity pull items forward.

Key Advantage

Highly cost-effective, energy-free operation ideal for loading/unloading docks, packaging benches, and gravity-fed flow racks.

Load Adaptability

Configured with light, medium, or heavy-duty rollers based on box or pallet weight classes.

✓ **Powered Roller Conveyors**

Driven by motors to propel items along horizontal or slightly inclined paths.

CDLR

Chain-Driven Live Roller - Heavy-duty systems where rollers are interconnected by chains, built specifically to transport heavy pallet loads and harsh industrial containers.

BDLR

Belt-Driven Live Roller — Uses a continuous friction belt pressed against the underside of the rollers, perfect for lighter carton handling and smooth sorting.

MDR

Motorized Drive Roller - Segmented into zero-pressure accumulation zones using smart motorized rollers that stop boxes individually to prevent back-pressure collisions.

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Engineering Ideas Delivering Solutions

Requirement

Understand application, dimensions, temp. & operating conditions

Engineering

Develop the fabrication approach around drawings, measurements & application needs.

Application Ready

Deliver a precise-fit solution prepared for its intended industrial application

Fabrication

Manufacture the custom component using suitable technical materials & construction

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