

OUR EXPERTISE,
YOUR EFFICIENCY



شركة الصناعات العامة المحدودة

GENERAL INDUSTRIES CO. LTD.

ABOUT THE COMPANY

General Industries Company Limited (GI) with its state-of-the-art manufacturing facilities at Support Industrial Area3- - Jubail, excellent service provider, sophisticated manufacturing capability, unbeatable quality assurance backed by advanced research and development (R&D) facility has traversed a long journey studded with several land mark achievements over last one decade. Since its establishment in 2003, GI has established its sturdy presence all across the kingdom, and has emerged as the most trusted name.

With a diversified and fulfilling product and service offering basket, our extended scope of operation includes manufacturing and trading of moulded and extruded rubber products, conveyor belts, major components of belt conveyor system, polyurethane and other related products, rubber lining, corrosion protection by coating and lining and conveyor belt installation, splicing and maintenance services, insulation & refractory amongst other.

GI is one of the leading manufacturer of technical rubber products serving crucial core sectors including the Marine, Industrial, Construction, Mining, Paper/Printing Industry, Ship building, Oil and Gas in the Kingdom of Saudi Arabia.

GENERAL INDUSTRIES is committed to achieve a sustainable performance in the competitive market by consistently satisfying customer needs by supplying products and services to the required quality level and delivery schedules.

At GENERAL INDUSTRIES, we strive to build up a Quality Culture in our organization by training employees at all levels and encouraging their participation in the continual improvement of our business and quality performance.



At GI, we are well equipped with compounding and manufacturing facilities to meet a wide range of applications and demanding requirements. Backed by proficient team of engineers and technicians, the factory provides round the clock service and has been successful both in meeting the emergencies as well as undertaking turnkey projects.

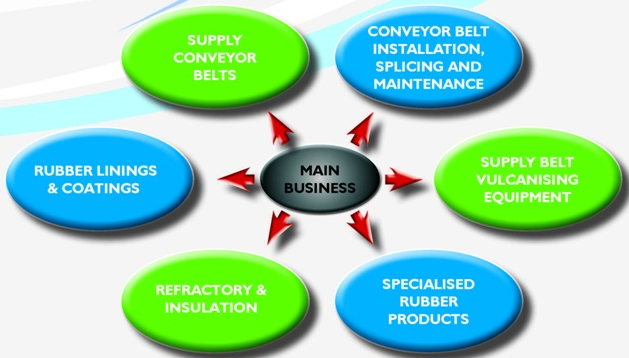
GI is having all the offerings in their repertoire that enables the customer to source their entire requirement from single source.

Our core strength is in our abilities to understand and customize exacting designs as per the requirements of the customer and the implementation of the technical knowledge to execute them.

We have the certifications of ISO 9001:2008 for quality management systems.

Our Products and Services

- ① Rubber lining services of tanks, scrubbers, venturi tanks, reactors, containment tanks, road tankers, process equipment, piping, etc.
- ① Corrosion protection painting & coating
- ① Conveyor belt supply, maintenance, installation, splicing and vulcanising services
- ① Conveyor system components such as pulleys, rollers & idlers, scrappers, etc.
- ① Polyurethane coating of rollers, wheels, etc.
- ① Rubber sheets, gaskets, etc.
- ① Moulded rubber products: Bush, gaskets, grommets, isolators, bearing pads, expansion joints, etc.
- ① Extruded rubber products: EPDM gaskets, marine fenders, building protection rubber guards, etc.
- ① Vulcanising machine: Shaw Almex – Canada
- ① General trading



CORROSION PROTECTION RUBBER LINING

General Industry has pioneered the rubber lining of Pipe spools, Scrubbers, Condensers, Hydrochloric acid, Sodium Hypochlorite, Sodium Hydroxide Road Tankers, Demineralization Vessels such as Anion, Cat- ion, mixed bed regeneration vessels, and a host of other critical process equipment which requires protection against corrosion and erosion in the chemical industry. We have a large 15000 Sq meter insulated facility in Jubail Support Industrial Area in the Kingdom, catering to one of the World's Largest Petrochemical, Fertilizers and Phosphoric Acid facilities in the World.

To service this market General Industries has joined hands with European & North American, Rubber material suppliers, who are the world leaders in industrial corrosion protection systems.



Their R&D has been launching several corrosion and erosion products successfully and set new standards in the industry. They are world leaders in wide spectrum of Rubber linings products with a track record of over 40 years, of successful product range, for a wide range of services.

Over past 10 years GI have had the privilege to serve the industry with world class rubber materials to the full satisfaction of a host of our esteemed clients in the industry by completing over 250,000 Sq meter of Rubber lining in the Chemical Industry in the Kingdom of Saudi Arabia.



CORROSION PROTECTION RUBBER LINING

We offer our Customers the following Rubber lining services in Natural, Chlorobutyl, SBR, Neoprene, Isoprene, Nitrile, EPDM, Hypalon based Rubber protection on the internals of Chemical Equipment and Pipe Work.

- * Pre-vulcanized and self vulcanizing cold bonded soft rubber linings
- * Hard Rubber Ebonite Grade Steam vulcanized in Autoclave and Exhaust Steam cured
- * On site application of self curing soft rubbers and steam assist vulcanized hard and soft rubber linings
- * Autoclave cured hard & soft rubber linings. (G.I premises)



GI Strength

- State of the art Cold Room facility at our factory as well as portable Reefer Containers to store rubber materials/adhesives at low temperature to maintain the shelf life of materials, in factory and at remote project project site.
- GI has invested in supporting equipments like scaffolding, air compressors, sand pots, specialized blasting equipment and highly trained manpower to offer our customer's a complete packaged solution.
- Rubber Liners / applicators having more than 15 – 20 years experience in rubber lining jobs; ensure high quality and timely execution of projects.
- Service / Project Management Team consists of dedicated personnel like Project Manager, Surveyors, QA / QC personnel's with more than 10 years of relevant experience to ensure smooth execution of project
- State of the art Laboratory consisting of Hardness Tester, Spark Tester, Precision Spring Scale, Dial Thickness Gauge, Tensile Testing Machine, Ageing Oven, Magnetic Coating Thickness Gauge, Rheometer to ensure product quality.



CORROSION PROTECTION BY COATING



General Industries partners with world-class, market leading suppliers to provide the best coating and lining solutions. We perform or supervise expert surface preparation and application of high integrity coatings on site.

Our solutions cover the oil, gas and petrochemical industries; offshore; marine sectors; power and desalination plants and more. We guarantee a competitive and quality service for a wide range of products and applications.

General Industries uses the best materials and latest technologies related to coating industry consisting of Zinc, Epoxies, Enamels, Rubber, Polyester, Vinyl Ester, GRE, FRP & Cementitious Fire proofing materials.

The ISO 9001: 2008 certified factory is fully equipped with production & inspection equipment's to deliver quality to the customers.

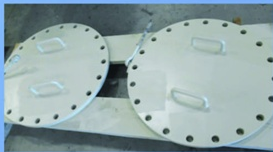
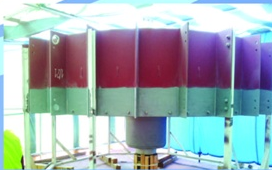
Our highly trained teams of service personnel are adept in different types of cleaning & coating techniques to carry out all kind of jobs at our factory as well as at customer site.



CORROSION PROTECTION BY COATING

We specialize in following domain

- ★ Manual abrasive blast cleaning of tanks, vessels, pipes, structural steel, chimneys, chimney liners, flare stacks, boilers, columns, de-aerators, evaporators, Transmission towers and other industrial equipment's.
- ★ Wet abrasive blasting and vacuum blasting
- ★ Automatic blasting using wheelabrator machines with steel shots and chilled steel grit.
- ★ Application of coatings using airless spray pumps, conventional spray pumps, heated plural component spray pump, grover pump, hemo pumps, hopper guns and putzmister spray pumps.
- ★ Sand blasting to expose the aggregates, high pressure water jetting, concrete tank linings, above and underground pipeline coatings, floor coatings, removal of sludge, and water proofing.
- ★ Supply of manpower including supervisors and operators for sand blasting and coating equipment's.



REFRACTORY AND INSULATION PRODUCTS

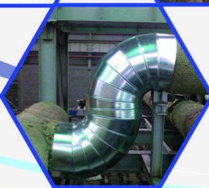
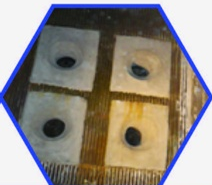
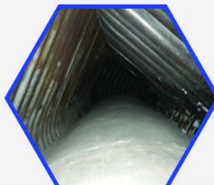
GI Refractory & Insulation Division is specialized in the Supply and Installation of high temperature Insulation & Refractory products.

General Industries is ISO 2015-9001 certified and has achieved high standards in the Industry of "Refractory Lining and Insulation"

GI Refractory & Insulation Division has expertise in Installation of Castable or Brick lining in Boilers, Reactors, Heaters, Dryers, Flare Tips, Stacks and Incinerators etc.

GI(R&I) division has successfully completed several Refractory Material supply and Installation jobs with companies like, SWCC, Harris Pye, Luberef, Maaden Phosphate Company and Satorp etc.

GI has worldwide association with leading manufacturers and suppliers for extensive range of products. With this joint support customers are assured that they will receive products of outstanding and world class quality with full manufacturer support.



Insulation Products

Rockwool, Calcium Silicate, Cellular Glass, PIR/PUF Fiberglass, Aerogel, Cryogel, Aluminum Jacketing, Stainless Steel Jacketing, Fastening Materials like, Bands, Wire, Wing Seals, Springs, Screws, Anchors & Caulking Compound

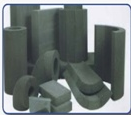
Refractory Products

Castables, Refractory Bricks, Special Shapes, and Precast Blocks, Mortars Ceramic Fiber Blanket, Ceramic Fiber Modules, Ceramic Paper, High Temperature Cloths for, Turbine Covers, Ceramic Anchors, Refractory Anchors SS310, Inconel

GI ability to rapidly respond to customer requirements will always remain our top priority and has been a leading factor in success of our company to date



PIR



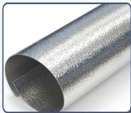
Foamglass



Springs



Fixing Rockwool Slabs



Aluminum Cladding



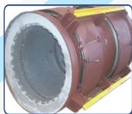
Fixing Anchors



Mortar



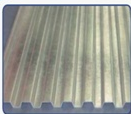
Carbon Brick Lining



Castable Application



Structural Fireproofing



Corrugated Sheet



Refractory Anchors



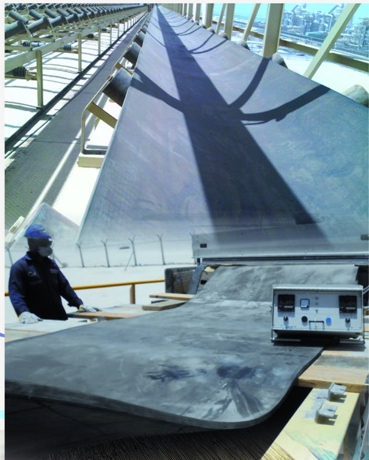
Rockwool Blanket

RUBBER CONVEYOR BELT

General Industries is the one stop solution provider for all kinds of conveyor belting, conveyor belting service and conveyor accessories requirement.

Belt Supply

Our partnership with leading global brands giving us the unique advantage of offering our customers the best quality, widest range of products along with the latest developments in the field of conveyor belts; unmatched by any other supplier.



Product Range	Application Range	Industries Served
<ul style="list-style-type: none">• Fabric Reinforced Conveyor Belt• Steel Cord Reinforced Conveyor Belt• Flexowell• Bucket Elevator Belt• Steep Angle Conveyor Belt• Chevron Belt• PVC Belt• Special Conveyor Belt• Conveyor Belt Protection Systems	<ul style="list-style-type: none">• General Purpose• Super Abrasion Resistant• Heat Resistant• Chemical Resistant• Fire Retardant• Oil & Grease Resistant• Special Application	<ul style="list-style-type: none">• Chemical• Cement• Fertilizer• Oil & Gas• Mining• Quarry• Port• Ore Handling• Ready Mix• Iron & Steel

SIDE WALL BELT - FLEXOWELL

We are proud to announce our specialised belting category, Flexowell - Side wall belts. This latest generation of sidewall conveyor belts, are produced from a high elasticity and high strength rubber compound and offer excellent flexibility and therefore maximum flexing.

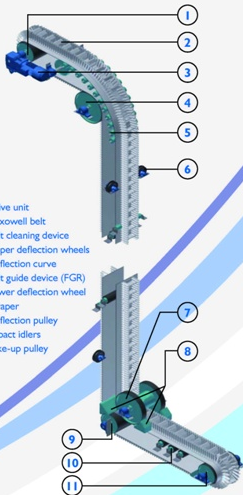
Distinct advantages of steep angle conveyor

- ① No Transfer Points: From the feed hopper to the discharge point, the belt is capable of turning through any angle up to a vertical line and back to the horizontal. This eliminates the need for multi drives and prevents product degradation.
- ② No Spillage
- ③ Can be quickly installed.
- ④ Requires less power and offers a long service life.
- ⑤ Quiet running and reduced maintenance.
- ⑥ Environmentally friendly

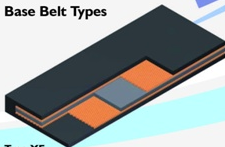
Some application areas

- | | |
|--------------------------------|---------------------|
| ① Steel | ⑦ Ship loading |
| ② Sinter plant | ⑧ Tunnelling |
| ③ Lime calcination plant (DRI) | ⑨ Fertilizer |
| ④ Raw material Handling | ⑩ Paper & Pulp |
| ⑤ Coal dust injection plant | ⑪ Wood chip feeding |
| ⑥ Cement | ⑫ Power |
| ⑦ Silo feeding | ⑬ Coal feeding |
| | ⑭ Mining |

1. Drive unit
2. Flexowell belt
3. Belt cleaning device
4. Upper deflection wheels
5. Deflection curve
6. Belt guide device (FGR)
7. Lower deflection wheel
8. Scraper
9. Deflection pulley
10. Impact idlers
11. Take-up pulley

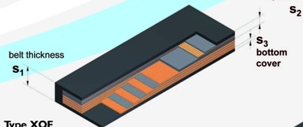


Base Belt Types



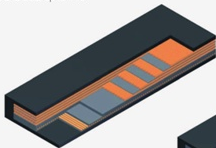
Type XE

Light duty applications with N type Flexowell sidewall and cleat up to 110



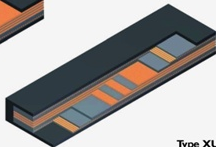
Type XOE

The belt type XOE reduces transverse deflection at wheels and stub idlers



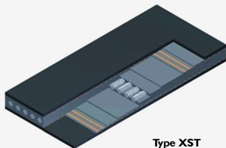
Type XDE

Medium and heavy duty special applications only



Type XUE

The belt type XUE reduces transverse deflection at return strand when carried on discs or inside idlers



Type XST

Heavy duty applications only requiring belt tension above 1000 N/mm with ES type Flexowell side wall up to 630 mm and cleat up to 600 mm.

CONVEYOR BELT SERVICE AND INSTALLATION

General Industries believes that quality service and being the best at what we do will earn us our ultimate goal of customer satisfaction & loyalty. Today this belief combined with our passion has made us the best conveyor belt servicing and installation company in Saudi Arabia.

To ensure complete satisfaction of our customers, General Industries have tied up with the global leader M/s Rema Tip Top to avail the best service material. Our 24 x 7 on call service team is composed of highly trained technicians who perform Cold & Hot vulcanization joints both at site as well as in our factory with the most advanced tools and equipment's. All our equipment's goes through a rigorous certification & calibration process by 3rd party certification agency to ensure conformance to International Safety norms.

General Industries with its long experience offers a structured approach to undertake all types of turnkey installation, laying & commissioning of conveyor belts.

Projects are supported by Dedicated Projects Management Team with depth of experience and equipment to suit the requirement.

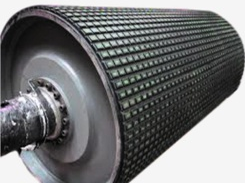
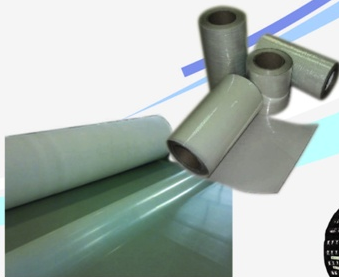
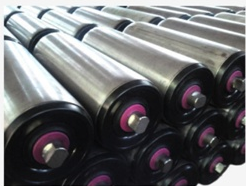


CONVEYOR BELT ACCESSORIES

We also manufacture a complete range of belt conveyor system accessories as given below.

- Rollers / Idlers
- Pulleys
- Skirt Rubber, Scrappers, Impact beds
- Rubber sheet of various grades and hardness
- Teflon / PTFE sheets
- Silicon Sheet
- Conveyor Belt Scrapers and Cleaners

We also specialize in all kind of roller refurbishment.



Pulley Lagging

Right choice of lagging material for specific conveyor system is crucial to the performance and life of conveyor belting and the reliability of a conveyor system.

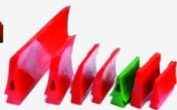
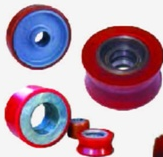
General Industries has partnered with M/s Rema Tip Top, the leading manufacturer in the field to provide our customers with specific and proven solution for their varied requirements.

POLYURETHANE PRODUCTS

Polyurethane - a very important member of elastic polymer family - offers the most versatile elastomer system. Its versatility lies in the fact that they are able to achieve unique combination of properties while they are manufactured in a variety of processing methods. Although polyurethane elastomer is a part of rubber family, they are distinctively different from plastic or ordinary rubber and possess specific advantages when compared with the rest.

Outstanding Features:

- ① Low wear and tear
- ① High load bearing capacity
- ① Low rolling resistance
- ① Non-marking
- ① Resistant to oil, grease and chemicals
- ① Wide temperature stability ($^{\circ}$ 40-C to $^{\circ}$ 80C)
- ① Strong bonding with various insert materials



Application

Harsh industrial environment and abrasion wear and tear take their toll on industrial equipment resulting into pre-mature failure, short life and high maintenance cost. Products made from cast-able polyurethane possess superior qualities capable of withstanding severe industrial service conditions whilst providing low rolling resistance and high load carrying capabilities.

- ① Wheels: Solid Tyre wheels, Press on band tyres, Direct bond tyres, Pallet wheels, Castor wheels.
- ① Roller Coverings: Conveyor rollers, Printing rollers, Pipe handling rollers, Transfer rollers.
- ① Sheets: Gaskets, Washers, Rod, Square and Rectangular bar, Triangular and Hollow section, Scraper blades.
- ① Industrial: Couplings, Screens, Seals, Impellers, Fenders, Wear pads, Bushes, Squeegees, Pads.

Outstanding properties to ensure outstanding performance

- ① Abrasion resistant
- ① High impact resistant
- ① Reduced noise level
- ① Withstand heavy mechanical abuse without tearing or cutting
- ① High load carrying capability
- ① Low coefficient of friction
- ① Low rolling resistance
- ① Excellent dynamic properties
- ① Excellent resistance to hydrolysis
- ① Resistance to environmental degradation
- ① Temperature range - 40 to $^{\circ}$ 125C
- ① Oil, grease and chemical resistant
- ① Wide range of hardness
- ① Good elastic memory
- ① Easy to machine
- ① Non marking

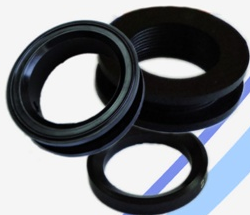
RUBBER MOULDED AND EXTRUDED PRODUCTS

Rubber Moulded

Products are produced by compressing the rubber compound under pressure and temperature in designed moulds. Compounds used are natural rubber, nitrile, polychloroprene, styrene butadiene rubber, EPDM, silicone and viton of different tensile strength and hardness.

The moulding section supplemented by an in-house mechanical shop produces a range of gaskets, seals, couplings, bridge bearing pads, diaphragms, mountings, bellows and a full range of "D" shape, square, solid and cylindrical rubber fenders.

Compounds based on Natural Rubber and Synthetic Rubbers like Chloroprene (neoprene), Styrene Butadiene Rubber, Acrylonitrile Butadiene Rubber, Butyl Rubber, EPDM, Silicone Rubber, Viton etc., are used to manufacture the components.



Rubber Extruded

We are capable of manufacturing exclusive products as per your requirement and design.

Manufactured from the best raw materials, we assure you the best quality of product completely in adherence international standards.



MARINE FENDERING SYSTEMS

One of our key products is the marine Fendering system – an extremely critical product for the marine sector designed primarily to prevent loss to the body of ship or boat from any possibility of collision with the dockyard.

We manufacture Fenders by extrusion, wrapping or compression moulding method and can be installed horizontally, vertically or diagonally depending on the application requirement.

Our in-house R&D has developed high quality marine Fendering products to secure high energy absorption effectively and have been extensively supplied to port facilities. We have taken special care to design most durable fender of its kind.



VULCANIZING MACHINES & TOOLS – SHAW ALMEX

GI proudly presents M/s Shaw Almex, in Saudi Arabia, the indisputable world leaders in pressing, laminating, vulcanizing equipment solutions and the most advanced conveyor belt repair tools in the industry.

ALMEX offering

- 1) UBR Press
- 2) Solo Xpress frame Vulcanizer
- 3) Pro Sectional Frame style press
- 4) SVP Sectional Vulcanizing Press
- 5) Unipress Sectional Vulcanizing Press
- 6) RAB and AB Frame Press
- 7) SP and SSP Belt Repair Presses
- 8) Belt Splicing Tool Kit



Advantages

- 1) Light & sturdy structure of extruded aluminum specially designed for quick and easy operation and to withstand harsh conditions at site.
- 2) Specially designed flexible platen with air/water pressure bag system to cover to entire splice area and take the shape of the belt, to apply correct pressure on the belt.
- 3) Innovative "Silicone Element" fast heating system, with double wiring at the edges to give uniform heating over the entire splice area including the edges and minimize heat loss.
- 4) Highly sophisticated feedback enabled temperature control module T4P with +/- 3 degree Celsius accuracy with strategically embedded sensors in the platten ensures correct temperature monitoring in the splice area.
- 5) Custom "Extruded Plank" cooling system within platens, for fast water cooling cycle.

Tools

A full range of Belt Splicing Tool Kit offers the stitchers, knives, buffing tools and accessories needed to perform any conveyor belt hot and cold vulcanized splice.





CORPORATE OFFICE

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