

“KIC” A Mark of Quality



Khodiyar Industrial Corporation

RAJKOT - GUJARAT



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Introduction

Khodiyar Industrial Corporation is India’s premier ISO 9001:2000 certified manufacturer of Bulk Material Handling Equipments like Belt Conveyors and Conveyor Components like Idlers, Pulleys etc.

Since 1998, we have set unique standards in quality, performance, dependability and durability. Our stringent quality processes, modern manufacturing facilities and excellent infrastructure ensure that we honor each and every commitment on time, every time.

Our Team has rich management and engineering experience in the Bulk Material Handling industry.

Backed by experiential knowledge, product intelligence, customer interactions, manufacturing excellence and design competence, team KIC is equipped to produce the finest quality products suited to match your technical and commercial expectations.

Our Modern Manufacturing Facilities at Rajkot are equipped with Special Purpose Machines and state of the art fabrication facilities to ensure that every product from the KIC stable exceeds your expectations on quality, performances and on time delivery.

Our Quality Assurance Program ensures stringent quality control norms right from sourcing of raw material to packaging of finished products. Our highly trained QC and inspection team supported by our international testing systems and processes is committed to making brand KIC synonymous to Quality.

Our Customer Driven Approach, speed of response, transparent systems and turn around times are the pillars which are supporting us to scale new heights everyday to manufacturing the finest material handling systems and components available anywhere in the global market.

Our Product Range:

1. **TURNKEY PROJECTS:** Design, Manufacturing, Supply, Erection & commissioning of Belt Conveyor System, Conveyor idlers, rollers, Pulleys, garland idlers and Conveyor structures.

2. **BELT CONVEYOR ACCESSORIES:** Conveyor Idlers with brackets.

- i. Toughing Idlers: a. Plain Toughing Idlers.
 b. Training Toughing Idlers.
 c. Impact Toughing Idlers (Rubber Disc & lagged type)
 d. Transition type Toughing Idler.

- ii. Carrying Idlers : a. Troughed Carrying Idler.
 b. Flat Carrying Idlers.
 c. Toughing Carrying Idler (Off-Set)
 d. Training Carrying Idlers.

- iii. Return Idlers : a. Plain Return Idlers.
 b. Self-cleaning rubber disc return idlers.
 c. Self-cleaning helical return idlers.
 d. Training return idlers.
 e. 'V' type return idlers.
 f. Rubber ring impacts return idlers.

- iv. Impact Idlers : a. Rubber disc impact idlers.
 b. Rubber lagged impact idlers.
 c. Garland impact idlers.
 d. Training impact idlers.

- v. Guide Rollers

- vi. Garland Idlers : a. Garland carrying idlers
 b. Garland return roller with brackets
 c. Suspended Sets

Pressed/Cast/Ordinary brackets are manufactured as per customer's requirements and application.

3. **CONVEYOR PULLEYS:**

- A. Drive Pulleys : a. Head Pulleys
- B. Non-Drive Pulleys: a. Tail Pulleys.
 b. Snub Pulleys.
 c. Tension Pulleys.
 d. Bend Pulleys.

Our Customers:

Majority of our clients are engaged in the cements and mining industries, we also supply Our product to steel plants, port trusts, power plants, fertilizers plants, chemical plants and ceramic industries. We also supply our product to foreign countries like UK, USA, South Africa, Germany, Iran, Zambia, Ghana, And others..



Cement



Steel



Mining



**Port
Trusts**



Power



Fertilizer



Chemical



Exports

MANUFACTURING FACILITIES**1) LIST OF CONVEYOR BELT IDLER & BRACKET (FRAME)**

Our plant at Rajkot is equipped with state of the art manufacturing, fabrication and testing facilities.

SL.NO.	EQUIPMENT	MANUFACTURING PROCESS
01.	Pneumatically controlled automatic pipe cutting machine	ERW/SEAMLESS pipes are cut to size with adjustment for dimension control.
02.	Power Press	Idler shafts are cut to lengths from carbon steel rounds. Idlers and bracket components are sized and slotted.
03.	Single end semi-automatic boring & facing machines.	Simultaneous boring & facing of barrel with semi-automatic is done to ensure concentricity of roller tube.
04.	single headed automatic welding machine	Pneumatically operated inert gas welding (CO ₂) torches welded both ends of the roller simultaneously with single setting facility. Welding is as per IS: 7018 to ensure higher strength as well as welding smoothness.
05.	Single setting machine for machining both ends of the shaft.	Precision machining with single setting facilities so as to ensure zero tolerances and perfect mounting of bearings and equidistant spacing of the sealing arrangements.
06.	Grinding machine for bearing setting area of the shaft.	Grinding for exact mounting of bearing is done for all types of bearing such as seize resistant ball bearing, taper roller bearing etc.
07.	Press fitting arrangement for bearing mounting coupled with facilities for free rotation.	Press fitting is done to ensure uniformity of bearing mounting & a motor driven arrangement checks freeness. Heat detection is done regularly for protection to greasing and sealing arrangement.

2) LIST OF CONVEYOR PULLEYS/DRUMS MANUFACTURING FACILITIES & OTHER JOBS

SL.NO.	EQUIPMENT	MANUFACTURING PROCESS
01.	Precision plate cutting pug machines	Plates are precision cut to required size for the pulley/drum shell.
02.	Motorized bending machines	Plates are rolled to required diameter for the pulley/drum shell to ensure concentricity & other different bent shapes.
03.	Machine Centers	Machining of components to required surface finish.
04.	Milling Machine	Key way cutting super finish of shaft surface to zero tolerance.
05.	Inert Gas Welding System/Welding Generators.	Welding (Low Hydrogen type) suitable for ultraviolet/X-Ray testing.
06.	Grinding Machine Centre	Bearing seating is ground finished for allowing press fit of bearings.
07.	300 Ton Hydraulic Press	For bending & shaping of different jobs as per requirement.
08.	Planing Machine (4' x 8')(Plano-Milling)	For accurate surface finishing.
09.	Lagging facilities	Lagging & grooving with Neoprene/ Natural/Synthetic rubber are carried out as per design specifications.
10.	Band saw & Hacksaw Machines up to 16" Cap. With taper cutting provision.	Cutting of different sizes of bars in accurate sizes & degrees.

QUALITY ASSURANCE PLAN

We have adopted following procedures to assure the quality of the products from the stage of Raw Material procurement to dispatch of finished products strictly in accordance with relevant IS standards & the relevant drawings and/or samples.

1. **SOURCE OF PROCUREMENT OF RAW MATERIAL:** Raw materials are procured only from the established reputed Manufacturers/Dealers.

2. **INSPECTION OF RAW MATERIAL & ACCEPTABILITY:** Our Quality Control Engineer inspects the raw materials as per the relevant IS/DIN/BS/AISI etc. standard as mentioned in the purchase order. Wherever necessary (In case of bulk quantity), sample Pieces are sent to Government Testing Laboratory to confirm the quality of the material.

Method of Check & Inspection: 100% Visual & dimensional (Randomly in case of bulk quantity).

Laboratory Testing: External (Chemical & Mechanical).

Reference Documents: Purchase Order & Technical Specification.

Acceptance Criteria: Laboratory test report & visual satisfaction.

Inspection Record: MTC supplied by party and/or test report done by us.

3. **INSPECTION OF SPARE PARTS & ACCEPTABILITY:** Spares parts are procured only from the reputed/approved manufacturers/dealers only to assure genuineness of the products.

Method of Check & Inspection: 100% Visual (Randomly in case of bulk quantity).

Reference Documents: Purchase Order & Technical Specification.

Acceptance Criteria: Dimensional correctness, visual satisfaction & Guarantee Certificate

Inspection Record: Dimensional Report & Guarantee Certificate.

4. **PRODUCTION AND ON LINE INSPECTION FACILITIES:** Production activities are done strictly as per the approved drawing, tolerance chart and/or sample issued by the customer. All the components are stage-inspected in the different stages of manufacturing to assure that the dimensions are within the permissible limits/tolerance as per the relevant standards/drawings.

ASSEMBLY AND TESTING: After preparation of different components and proper inspection these are sent to assembly yard for assembly and/or welding. Wherever necessary, as per the requirement of the products, items are tested in our shop. Heat treatment is done from external houses.

5. **OUT GOING INSPECTION FACILITIES:** After completion of manufacturing process, the items are finally checked by the production supervisor and offered to 'Quality Control In charge' for final inspection. After final inspection, the items are cleared for dispatch or offered to the customer for inspection at our site if there is pre-dispatch inspection. In case of pre-dispatch inspection, materials are dispatched only after getting dispatch clearance or inspection certificate from the customer.

6. **PERFORMANCE:** Regular feedback from our customers helps us in performance appraisal which is critical in our goal of **“ULTIMATE CUSTOMER SATISFACTION”**

QUALITY CONTROL INCHARGE