



## **Kalyani Cast Tech Private Limited**

(KCT) is an ISO 001:2001:2008 Certified casting unit with in-house machining facility. The company is a Class A foundry as per IS 12117:1996 (reaffirmed 2007) approved by Govt. of India (Indian Railway). KCT has added facility to manufacture all types of containers Viz ISO20', ISO 40', Dwarf 40' and other special containers and bunk houses as per International Standards and testing facilities. Situated half a KM from Inland Container Depot (Dry Port) and 850km from Port of Mundra Gujarat The company produces a wide range of castings and containers confirming to Indian and International Standards/ Specifications.

The company has diverse cliental base including Indian Railways Mining, Cement, Chemical and Fertiliser plants, Power Industries, Container train operators (CTOs) and other engineering companies.

Tight process and efficient methoding for quality castings are adopted in order to meet the requirement of the clients.



## PRODUCTION FACILITY :

### A: Foundry Section

- ❖ 2000 Kgs and 1000 Kgs Induction furnaces.
- ❖ Produce single casting from 20kg to 2000kg
- ❖ Shot Blasting machines of 1.5 T hanger facility.
- ❖ Heat treatment furnace of 10 T capacity having automatic temperature control & recorders, with water quenching facility.
- ❖ Swing frame grinders, hand grinders, pneumatic chippers
- ❖ Welding and Air arc gouging machine
- ❖ Approved welders and welding procedures.
- ❖ Lathe Machine, Drilling.

### B: Container Fabrication

- ❖ Automatic Welding Machine for Side wall, End walls
- ❖ MIG welding Machines
- ❖ Jigs and fixtures for Side wall, End wall, Underframe, Doors and Boxing of containers
- ❖ Shot / Sand Blasting equipments
- ❖ Paint Booth
- ❖ Container Test Rig for testing all kind of containers as per IS1496 Series-1
- ❖ Floor Testing Equipment for testing floor strength.
- ❖ In house Production of corner castings, FRP for flooring System
- ❖ Water test for containers.

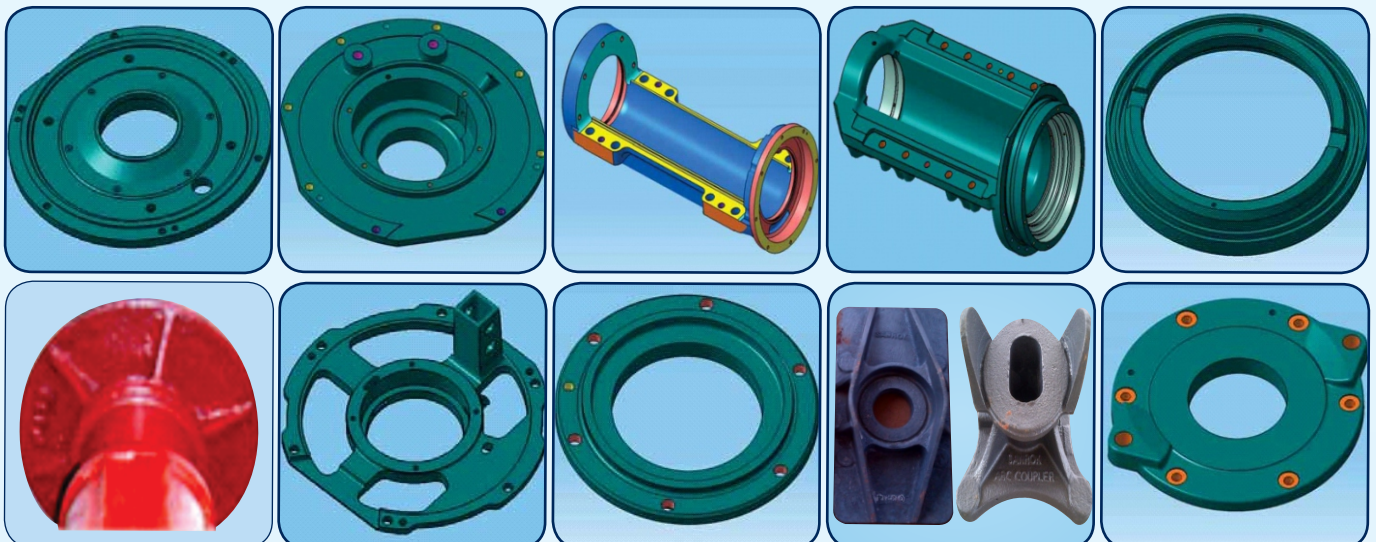
### Quality Control Facilities:

- ❖ Spectrograph
- ❖ Metallurgical Microscope
- ❖ UTM of 40 T capacity, Impact Test, Impact test at sub zero of -45 C Hardness tester, Portable hardness tester, Shadowgraph.
- ❖ All sand testing equipments. USFD, MPI and DP test facility.
- ❖ Radiography facility.

### Major Industries Catered to:

- ❖ Indian Railways
- ❖ Sugar Mills
- ❖ Power Sector.
- ❖ Container industries
- ❖ Engineering Equipment
- ❖ Power Press, AI Die Casting Units

## RAILWAYS COMPONENTS







**Special Corner Castings for Dwarf Containers**



**FRP Flooring System Developed by KCT which is lighter sturdier with less thickness**



**Double Stack Trains Under Wire Using Dwarf Container**

## UNITIZATION OF LESS THAN TRUCK LOAD (LTL) CARGO : CHEAPER, SAFER & SECURE



- ❖ CUBOID Container LxWxH: 2.55 x 2.00 x 2.73 m
- ❖ Volume: 12.5 cum
- ❖ Payload: 2.5 MT i.e. 5 cum/ MT ( Ideal for Parcel )
- ❖ Gross: 3.3 MT it can be handled by forklift of 5 MT with load center at 1.225 m.
- ❖ Very good for two-wheeler (8 motorbike per CUBOID) & three-wheeler (3 no per CUBOID) transportation along with parcel cargo.
- ❖ Longer journey through Rail gives advantage of safety, security and low cost.
- ❖ Last and first miles optimized through light commercial vehicle or 20' trucks. Best use of costly assets such as trucks, pick up truck and wagons.
- ❖ Avoid multiple handling of cargo and covered warehouses for consolidation.
- ❖ Most of handling activities are mechanized using readily available fork-lifts and reach stacker.
- ❖ Ideal equipment for least exposure in Covid-19 situation.

## COMPLETE SUPPLY CHAIN FOR LTL CARGO : CHEAPER BY 20-25%

**Longer Journey by Rail Six CUBOID per BLC Wagon: 270 Cuboid / Rake**



**One CUBOID on LCV**

- ❖ 15 MT of Parcel Cargo/wagon, 675 MT/Rake
- ❖ 48 Motor Bike per wagon; 2160/Rake will replace 54 trucks.
- ❖ 18 three wheelers per wagon; 810 per rake, can be efficient rail options for three wheelers.
- ❖ All operation by Fork-Lifts avoid costly container handling equipment and special railway yards. Although reach stacker can also be used.
- ❖ Can provide hoping facility for parcel users.



**Three CUBOID on 20' Truck**



**Five CUBOID on 33' Truck**

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### Regd. Office

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### Factory:

Village Mamria Thether, Distt. Rewari, Haryana (India)  
(90 km. from International Airport, New Delhi)