



BB COACHTECH
SHAPING METAL

We Don't Just Bend Metal,
We Engineer Solutions

Precision Engineering
Advanced Manufacturing
Complex Assemblies

From Concept To Completion



DESIGN



ENGINEERING



FABRICATION



WELDING



ASSEMBLY



INSPECTION

About Us

COACHTECH was established in the year 2018 with the intention of being the most reliable supplier to Indian Railways for stainless steel components of LHB coaches.

The company is engaged in manufacturing high-precision components such as sidewalls, roofs, end walls, and underframes for LHB passenger coaches of Indian Railways. Equipped with advanced fabrication capabilities, COACHTECH delivers large-scale assemblies that meet stringent quality and safety standards.

Founded under the leadership of Shri Dhruv Kumar Ruia and supported by Rishabh Ruia, the company carries forward a strong engineering legacy rooted in B. B. Engineering Works (established in 1974), a recognized CLW-approved supplier of critical railway safety components.

As a MSME and DPIIT recognized startup, COACHTECH is committed to innovation, precision manufacturing, and continuous improvement. The company adheres to international quality standards, holding certifications such as ISO 9001:2015, ISO 3834-2, and EN 15085-2, ensuring excellence in welding and fabrication processes.

With a dedicated 40,000 sq. ft. manufacturing unit near Fatehpur, Uttar Pradesh, and a growing workforce, the company continues to strengthen its position as a reliable OEM partner for Indian Railways, supplying close to 400 coach sets every year and contributing to the modernization of rail infrastructure in India.

The Robert Bosch promise of quality is embedded in the core values of the company, and we at Coachtech believe in delivering on Promise, Time & Quality.

Quality You Can Trust

Our international certifications are a testament to our commitment to uncompromising quality and industry best practices.



Quality Management System

Our processes adhere to the ISO 9001:2015 standard, ensuring consistent quality management across all manufacturing and delivery operations.



Welding Quality Requirements

ISO 3834 certification demonstrates our commitment to comprehensive welding quality requirements for fusion welding of metallic materials.



Railway Vehicle Welding Standard

EN 15085-2 reinforces our railway welding and fabrication practices for safety-critical coach structures and assemblies.

Why Coachtech?

A precision sheet metal fabrication partner currently serving Indian Railways approved for LHB coach structures and assemblies, with an expansion-focused outlook.

- Custom-designed, cost-efficient products
- Engineered with STAAD.Pro, AutoCAD, SolidWorks
- On-time delivery
- Expert support
- In-house QA-QC lab
- Legacy since 1974
- 20+ Expert Engineers
- Skilled and Detail-Oriented Draftsmen
- Advanced machinery & profiling systems
- Wide range of Ferrous & Non Ferrous Material

Certified Manufacturing

ISO 9001:2015, ISO 3834-2, and EN 15085-2 aligned processes ensure strict quality and welding compliance.

Precision Sheet Metal Expertise

Specialized production of sidewalls, roofs, end walls, underframes, and other complex stainless steel fabrications for demanding industrial applications.

Advanced Fabrication

Modern laser cutting, press brake, and welding infrastructure supports high-precision, large-scale assemblies with consistent repeatability.

Promise, Time & Quality

Our delivery culture is built on committed execution and reliable timelines for every approved production program.

Engineering Legacy

Led by Shri Dhruv Kumar Ruia and Rishabh Ruia, we carry forward the B. B. Engineering Works legacy established in 1974.

Reliable OEM Partner

With a 40,000 sq. ft. unit near Fatehpur and supply close to 400 coach sets yearly, Coachtech continues to serve Indian Railways while expanding its broader fabrication capabilities.

Services Offered

Precision Sheet Metal fabrication and assembly services aligned with quality and safety requirements, with readiness to support expanding market needs.

Contract Manufacturing

A strategic manufacturing partner delivering dedicated production capacity for OEMs and Tier-1 suppliers. Through advanced fabrication processes, rigorous quality systems, and disciplined execution, we seamlessly integrate into your supply chain—ensuring dependable output, scalability, and cost-efficient manufacturing without capital expansion.



Design & Development

Comprehensive design and development support encompassing 3D modeling, detailed 2D engineering drawings, and advanced NC programming using AutoCAD, Solidworks & most advanced Nesting Software. Through optimized nesting strategies and precision jig and fixture development, we enhance material utilization, improve production accuracy, and reduce overall manufacturing lead time.

Laser Cutting

Advanced CNC laser cutting systems designed for high-precision fabrication of complex sheet metal components. With advanced cutting capabilities and optimized programming, we ensure tight dimensional tolerances, excellent edge finish, and repeatable accuracy for demanding OEM production requirements.



OxyFuel/ Plasma Cutting

High-performance plasma and oxyfuel cutting solutions for processing heavy steel plates. Our equipment enables fast, accurate cutting of heavy-gauge materials, making it ideal for infrastructure, engineering, and large-scale fabrication projects.



CNC Machining

Our High-precision CNC Turret Lathe, VMC & Upcoming Double Column 4 Axis Machining Centre, offer capabilities for the manufacture of panels, brackets, and custom enclosures. Our advanced equipment ensures exceptional dimensional accuracy while offering flexible and cost-effective solutions for both medium- and high-volume production.

CNC Bending

Advanced CNC press brake bending with high tonnage capacity for forming a wide range of sheet metal thicknesses. Our precision-controlled processes ensure accurate bends, consistent repeatability, and efficient material utilization.



MIG/TIG/LASER Welding

Advanced manual and robotic welding capabilities supported by industry-leading systems. Our MIG/MAG, TIG, and arc welding processes produce high-strength assemblies, ensuring structural integrity and readiness for installation.



Sheet Metal Fabrication

Comprehensive sheet metal fabrication from initial design through to final assembly. We are a dedicated partner for the railway, power, and heavy engineering sectors, delivering turnkey solutions under one roof.

Surface Treatment

Comprehensive surface treatment solutions including abrasive sandblasting, Laser Cleaning and high-quality powder coating. Our controlled finishing processes enhance corrosion protection, improve coating adhesion, and ensure a consistent premium finish for industrial components.



Industries We Serve

Delivering precision-engineered sheet metal solutions across a diverse range of industries — from automotive to aerospace, we bring deep domain readiness to every project.



Automotive



Earthmoving
Equipment



Railways



Tele-Communication



Aerospace & Defense



Power Plant



Oil & Gas



General
Engineering

Manufacturing Capabilities

- Laser Cutting
- Press Brake
- Laser Welding
- TIG/MIG/MAG Welding
- Oxy Fuel / Plasma Cutting
- Spectrometer
- Railway Coach Sub-Assemblies
- CNC/VMC Machining
- Fabrication & Metal Works
- Arch Bending
- Double Column 4 Axis Machining Center
- 400 kN Universal Testing Machine

Railway Products

Precision fabrication for modern rolling stockCoachtech manufactures stainless-steel components and large fabricated assemblies for LHB passenger coaches, including sidewalls, roofs, end walls and underframes. Our integrated cutting, forming, machining and welding capabilities turn engineering drawings into finished components and sub-assemblies. Experience with complex coach structures gives us a practical understanding of dimensional consistency, assembly fit and weld quality—making Coachtech a capable manufacturing partner for railway applications.



Proven in Rail. Built for Next.

Heavy Fabrication

Coachtech combines plate processing, forming, welding and machining to support custom fabrication opportunities across general heavy engineering. Our experience with coach underframes and large structural assemblies provides a foundation for equipment frames, fabricated bases, support structures and industrial sub-assemblies. We offer customers a coordinated approach to fabrication and machining, with each enquiry reviewed against material, size, handling and inspection requirements.



Scale. Larger equipment at a precision.

Pre-Engineered Buildings

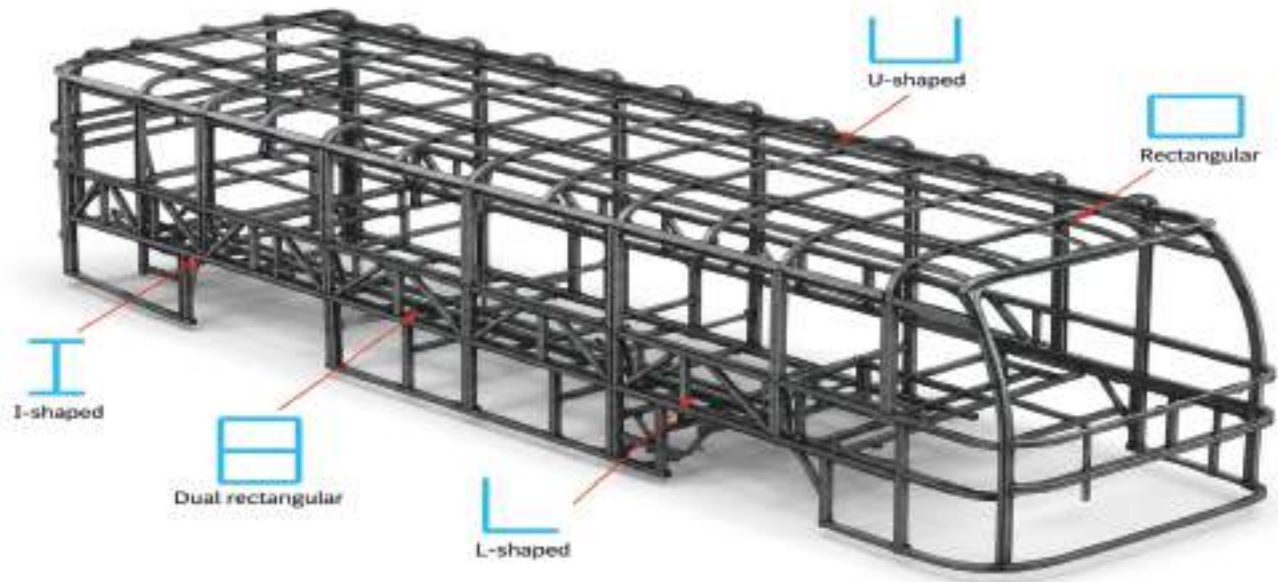
Coachtech brings its experience in large welded railway assemblies to fabrication opportunities in pre-engineered buildings and industrial structures. Our cutting, forming, welding and machining capabilities provide a foundation for connection plates, brackets, stiffeners and structural sub-assemblies manufactured to approved drawings. We welcome partnerships with PEB manufacturers and contractors seeking fabrication support, with each package assessed against its material, size, finish and inspection requirements.



From Coach Structures to Industrial Frameworks.

Automobile

Coachtech offers a manufacturing foundation for automotive sheet-metal components and welded sub-assemblies. Our CNC laser cutting, bending, machining and welding capabilities can support the development of brackets, panels, housings and custom fabricated parts. Building on our railway manufacturing experience, we bring a focus on dimensional consistency and repeatable processes. We welcome automotive manufacturers and component suppliers seeking a fabrication partner, with tooling, inspection and qualification requirements agreed for each programme.



From Metal to Mobility



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