



RAILWAY COACH APPLICATIONS



Kartikeya Industries Private Limited

Kartikeya Industries Private Limited is a versatile engineering industry established in 2013 near Sadasivpet (Hyderabad), Telangana. We are first generation entrepreneurs with vast experience of over 40 years in the field of Cold Forming, Light and Heavy Engineering Fabrication, Pre – Engineered Buildings, Cold Forming and acquired expertise in running large professional organisations. We are also proud to inform you that our company is headed by experienced technocrats and engineers to deliver quality products with committed deliveries and at right price.

With factory anchored in a sprawling space of 15 acres at Mominpet, near Sadashivpet, Hyderabad in India's youngest state of Telangana, the unique engineering enterprise is strengthened with state of the art infrastructure for the manufacture of intricate profiles for a variety of applications.



While setting up new benchmarks for operational efficiencies, the plant is also amply equipped with advanced machinery for creating intricate profiles, such as Laser Cutting and Laser welding machines, CNC Plasma Profile Cutting Machines, SAW Welding Machines, CNC Press Brakes, Shearing Machines, 3 Roll Bending Machine, C & Z Purlin Machines and Roof Sheeting Machines among others.

Backed by in-house capacity to deliver 36,000 MT per annum of Cold Forming Sections and Fabricated Structures, the products manufactured by the company are in conformity with Indian and International Standards.

A journey of pioneering innovation and engineering excellence, Kartikeya has design capabilities and modern resources to scale new frontiers of technical excellence coupled with committed high degree of service and quality.

We can cater to wide variety of industry segments such as:

- EPC / Infrastructure / Power projects
- Steel Buildings / Pre-Engineered Buildings
- Highways/ Road Construction
- Railways
- Material Handling, General Engineering
- Solar Power Projects

Our Product Range



Pre-Engineered Buildings (PEBs)



Railway Coaches



General Engineering



Metal Crash Barriers /Guard Rails



Solar Module Mounting Structures



Fabrication

Milestones

Jan 2016
Inception of railway business

Mar 2016
Approval from Integral Coach Factory, Chennai

Nov 2016
Approval from ICF Chennai for Roof & side walls

Apr 2017
First roof and side wall proto dispatched

Nov 2017
Setup full fledged facilities with CNC Spot welding, Laser Cutting & Laser Welding machines

Dec 2017
First commercial roof and side wall set dispatched

Mar 2018
New building & facilities for Underframe manufacturing

May 2018
First Order from BEML, Bangalore

Jul 2018
First Order from Modern Coach Factory, Raebareli, Approved as Regular source by ICF for CRF sections such as Stainless steel trough floor, Sole bar, roof sheets, cant rail, light & waist rail & U stiffener and capacity for CRF items is 350 sets per month

Aug 2018
Completed supplies of 100 sets of roof and side wall to ICF

Completed supplies of 18 Underframes to ICF & BEML

Completed supplies of 8 sets of Shell kits to ICF

Completed supplies of 33 Roof assemblies to ICF & BEML

Second Laser cutting machine installed for stepping up our capacity

Sep 2018
Capacity of manufacturing Roof & Side wall is increased to 30 sets per month

Capacity of manufacturing Underframes is increased to 15 nos.

Dec 2018
Development of CRF Roofarch and Carline

Equipment Specifications



LASER CUTTING MACHINE 1

Model	1030 Fiber Laser
Pallet Size	1500 x 3000 mm
Laser Power	3 KW
Capacity	Stainless up to 16 mm Mild Steel up to 22 mm Aluminum up to 12 mm Copper up to 4 mm
Status	In Use

LASER CUTTING MACHINE 2

Model	2030 Fiber Laser
Pallet Size	1500 x 3000 mm
Laser Power	3 KW
Capacity	Stainless up to 16 mm Mild Steel up to 22 mm Aluminum up to 12 mm Copper up to 4 mm
Status	In Use



STATIONARY SPOT WELDING MACHINES FOR SIDE WALL

Throat Depth	1500 mm
Power	150 KVA
Capacity	Stainless Steel up to 3 mm + 4 mm
Status	In Use

PULSE TIG WELDING MACHINE (SEAM WELDING MACHINE)

Job Length	200 mm To 3000 mm
Carriage Stroke	3000 mm
Laser Power	3 KW
Capacity	Stainless Steel up to 0.8 mm to 3.0 mm
Status	In Use





ARM SPOT WELDING MACHINE FOR ROOF

Throat Depth	1500 mm
Power	170 KVA
Capacity	Stainless Steel up to 2.0 mm + 2.0 mm
Status	In Use

CNC PRESS BRAKE 1

Model	EHP – 260.43/31
No. of Axes	4
Tonnage	260 MT
Bending Length	4300 mm
Capacity	Stainless Steel up to 8 mm Mild Steel up to 12 mm
Status	In Use



CNC PRESS BRAKE 2

Model	WCMPB – S7
No. of Axes	4
Tonnage	200 MT
Bending Length	4200 mm
Capacity	Stainless Steel up to 6 mm Mild Steel up to 10 mm
Status	In Use

CNC PRESS BRAKE 3

Model	EM CNC PBE 3531
No. of Axes	4
Tonnage	400 MT
Bending Length	3100 mm
Capacity	Stainless Steel up to 10 mm Mild Steel up to 14 mm
Status	In Use





SHEARING MACHINE 1

Model	GS 4110 X 8 MM
Cutting Length	4100 mm
Capacity	Up to 8 mm
Status	In Use

SHEARING MACHINE 2

Model	BSB – 3200 X 8 MM
Cutting Length	4100 mm
Capacity	Up to 8 mm
Status	In Use



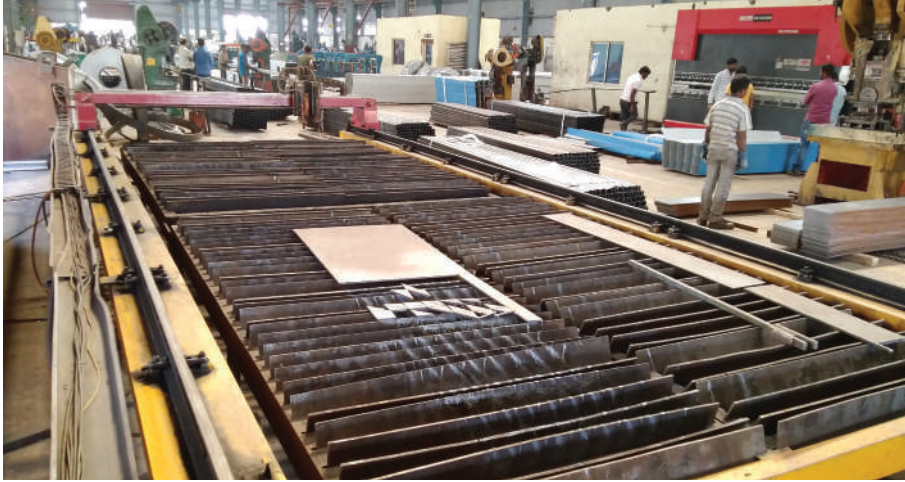
3 ROLL BENDING MACHINE

Rolling Length	3000 mm
Capacity	Up to 5 mm
Status	In Use

HYDRAULIC PRESS (225 MT)

Rolling Length	3000 mm
Capacity	225 Mt
Status	In Use





PLASMA CUTTING MACHINE 1

Bed Length	8000 mm
Bed Width	3000 mm
Capacity	Up to 24 mm
Status	In Use

PLASMA CUTTING MACHINE 2

Bed Length	10,000 mm
Bed Width	3500 mm
Capacity	Up to 48 mm
Status	In Use



ROBOTIC LASER WELDING MACHINE

Model	MOTOMAN MH50 II -20
No. of Axes	360 Degrees Through Robot
Welding Length	3 Meters
Table Length	22 Meters
Laser Power	3 KW
Capacity	Stainless Steel up to 4 mm + 4 mm
Status	In Use

CNC AUTO SPOT WELDING MACHINE FOR ROOF ASSEMBLY – 2 nos

MFDC Transformer	108 KVA
Reach	Length – 10.5 Meters Width – 3 Meters Height – 0.8 Meters
Capacity	Stainless Steel Up to 2 mm + 2 mm
Status	In Use





CNC AUTO SPOT WELDING MACHINE FOR CAR LINE ASSEMBLY

AC Transformer	100 KVA
Reach	Length – 7 Meters Width – 0.25 Meters Height – 0.8 Meters
Capacity	Stainless Steel Up to 2 mm + 2 mm
Status	In Use

CNC AUTO SPOT WELDING MACHINE FOR COMPLETE SIDE WALL - 2 Nos.

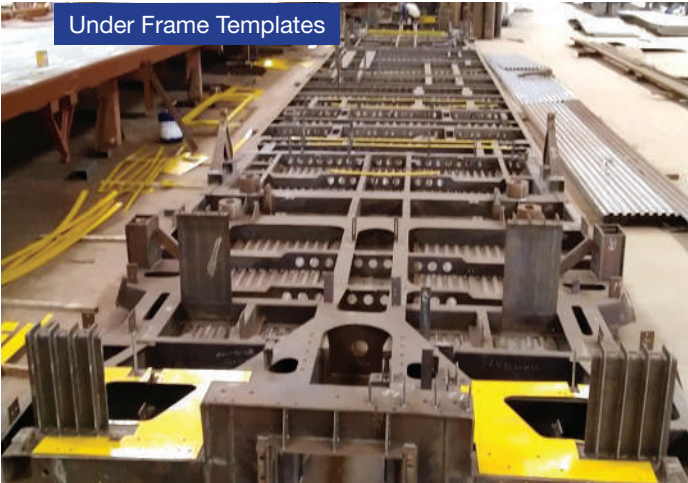
MFDC Transformer	250 KVA
Reach	Length – 21 Meters Width – 2.2 Meters
Capacity	Stainless Steel Up to 3 mm + 4 mm
Status	In Use



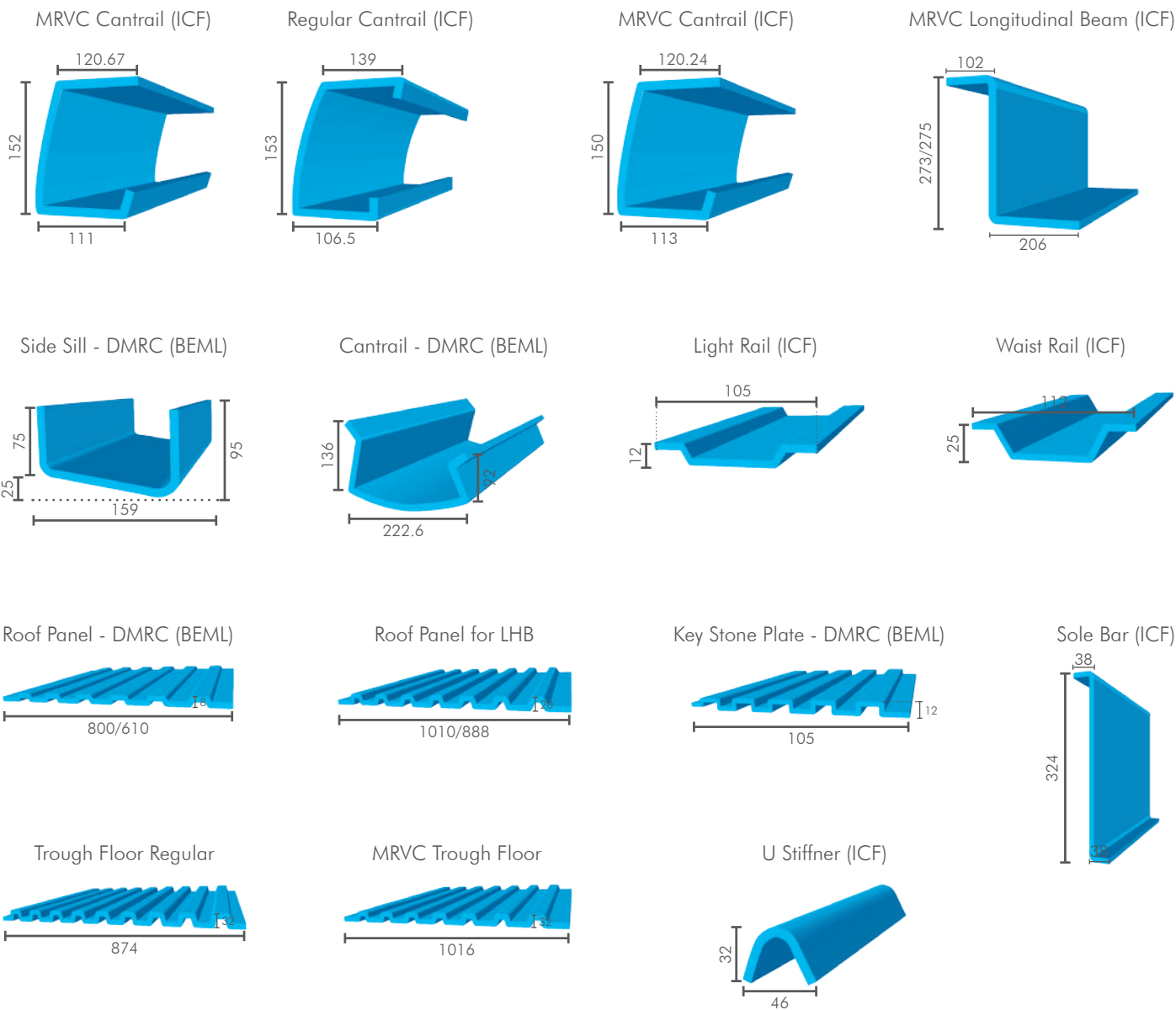
ROOF ARCH STRETCH FORMING MACHINE

Hydraulic Capacity	150 Mts
Bed Size	1 Meter X 3.5 Meters
Capacity	Stainless Steel Up to 3 mm + 4 mm
Special Feature	Can Bend Radii For All Types Of Roof Arches
Status	In Use

Jigs and Fixtures



Various cold roll formed profiles used in rail coaches



List of Testing and Measuring Equipment

Description	Equipment Name	QTY	Equipment Capacity (Range & Lc)
Testing Equipments Details	Universal Testing Machine	1	20 MT
	Spectro Analysis	1	Can measure up to 25 elements
	Mini Test 650 With Foils	1	0 - 2000 μ m
Measuring Equipment Details	Vernier Callipers	5	00 - 300
	Digimatic Calliper	4	00 - 300
	Digimatic Micrometer	4	0 - 25 mm
	Out Side Micro Meter	3	0 - 25 mm
	Measuring Tape 3	10	0 - 30 mtr
	Digimatic Weld Gauge	2	0 - 20 mm
	Digimatic Depth Gauge	3	0 - 150 mm
	Taper Gauge	2	1 - 15 mm

Universal Testing Machine



Spectro Analysis Machine



Welding training Center



Our Clients





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