



macedon
ADVANCED REINFORCED COMPOSITE



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MACEDON VINIMAY PVT. LTD.

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MACEDON VINIMAY PVT. LTD.

AN ISO 9001:2015 CERTIFIED COMPANY

Take a boat to the water, a ladder to the tree and

INDUSTRY TO THE PLACE OF OPPORTUNITY

Composites, the wonder material with lightweight, high strength to-weight ratio and high stiffness have come a long way in replacing conventional materials like metals, wood etc. Composites offer significant advantages over metals in many structural applications due to the flexibility of selecting various combinations of fibrous reinforcement and resin matrix. Due to their light weight coupled with high strength, composites can replace wooden & metallic parts in transportation (automotive & railways), contributing to energy savings.

Composites bestowed with unique advantages, as mentioned earlier, drew attention from the developed world towards novel applications. The consumption of composites increased manifold in the last two decades, in industrial & consumer applications.

Driven by strong economic growth and urbanisation across emerging markets, demand for advanced composites is expected to continue growing at a rapid rate. In 2017, global composites production expanded by nearly 10% to reach 12 million metric tons with the Asia Pacific region accounting for 42% of the total production volume, driven mainly by unprecedented market growth in China and India. According to the annual survey of the composites market conducted by JEC, Asian production is projected to make up 46% of the global composites manufacturing output by 2021.

Committed to
EXCELLENCE



VISION

- ▶ Conceive, manufacture & supply Composite solutions & components for the global market
- ▶ Attain market leadership in all the businesses we are in, by attaining global quality standards
- ▶ Actively contribute value to our customers and stakeholders through sustainable offerings of innovative engineering solutions using Advanced Reinforced Composites

SMC vs Sheet Metal

Feature	SMC	Sheet Metal	Implication
Weight	lighter by 70% or more for the same mechanical strength		1. lower transport cost 2. ease of handling and installation
Electrical	1. high dielectric strength 2. excellent insulation	conducting	1. safety 2. no need for extra insulation
Finish	permanent	needs painting	zero maintenance
Rusting	rust proof	rusts easily	1. long life 2. zero maintenance
Construction	integral	fabricated	no room for leaks
On-site fabrication	not required	required	saves money, time and hassle
Manufacturing	mechanised	hand-tinkered	consistent dimensions
Production rate	fast	slow	quick delivery
Manufacturing	little labour needed	labour intensive	1. no delays 2. skill-independent
Dimensional accuracy	perfect	questionable	predictable fitment
Dimensional stability	excellent-no creep or fatigue	prone to creep and fatigue	long life
Corrosion resistance	excellent	poor	long life, especially in polluted environs
Inserts, holes, ribs, features etc.	moulded-in	fabricated	1. errors possible 2. cumbersome
Resistance to moisture	resistant	rusts	safety
Biological attack	resistant	mildew attack	long life
Heat resistance	resistance	paint chips off	zero maintenance
Flame resistance	flame retardant	paint chips off	zero maintenance
Scrap value	none	high	pilfer proof
Impact strength	high	dents easily	no damage in transit
Thermal insulation	insulating	conducting	safety - non toxic
EMI & RFI	transparent	opaque	no interference
Aesthetics	sleek look	shoddy	enhanced image
UV resistance	resistant	paint chips off	long life



Railway Products



Electrical Products

OUR PRODUCTS

LTCT METERING CUBICLE

Scope of use collecting transformer metering units assemble with

- Modem
- HRC Fuse
- MCCB
- CTPT
- Bus Bar



METER ENCLOSURES

Scope of use for LT Connection in Domestic & Commercial

- Single Phase
- Multi Meter
- Three Phase
- BPL

TRANSFORMER LT DISTRIBUTION BOX

Scope for distribution different current rating as per transformer

- 10/16 KVA
- 63 KVA
- 230 KVA
- 500 KVA
- 25 KVA
- 100 KVA
- 315 KVA



LT SERVICE CONNECTION BOX

Scope of use AB Cable jointing

- Conventional (Aluminum/ Copper Bus Bar, bolted type)
- Universal (Spring loaded bus bar type)



OPEN TYPE LT PANEL / MINI PILLAR BOX

Scope of use for different types of outgoing connection

- 3 way
- 6 way
- 4 way
- 8 way

OUR PRODUCTS

SPRING LOADED DB

Incoming & Outgoing Ratio

- Single Phase: 1:4, 1:6, 1:9
- Three Phase: 1:4, 1:6, 1:9



LADDER, V & STRAIGHT CROSS-ARM WITH TOP HAMMER

Scope of use

- Wall support
- Extendable
- A-type
- Single Support (RE approved)



ASTRONOMICAL STREET LIGHT CONTROL BOX

- Astronomical Timers
- Light level sense
- SCADA contro



SMC APL/BPL BOARD

- Meter Box fixing
- Provision along with MCCB & Earthing
- Switch Box
- Holder Box



FRP FENCING

- Customized Design
- Different Pultruded Non Conductive Thermo setting section



SIGNS

- Danger notice board
- Caution
- Oil pipeline marker
- Cable marker
- Customised
- Railway Signalling Board