



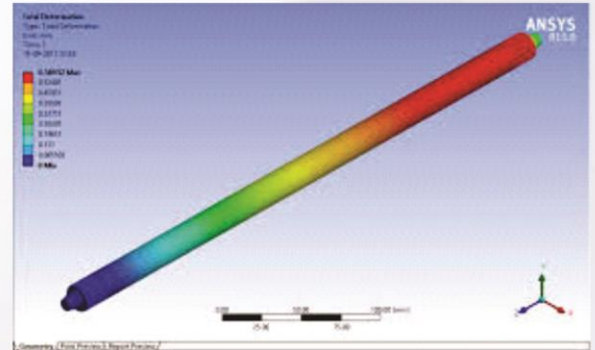
Carbon Light Pvt. Ltd.

Carbon Fiber Composite Products

Light weight carbon fiber composite products for demanding applications

Our Specialty

Precise design: We have a strong design team and in-house design facility where we design our composite products as per customer's application and analyze their performance as per actual working conditions. With the help of proper design and prototype testing we are able to provide customized products in all sectors.



Research and development: We are involved in constant Research and Development. We are looking for ways to make products lighter and stronger than ever. We are constantly challenged by our customer's specific requirements and application needs, which helps us maintain a leading position in the market today.

Interchangeability: With the help of our technical team, design capabilities and manufacturing facility we offer interchangeability upgrades from existing metallic parts and products to light weight, more dependable, easy to operate composite products. This approach has been largely appreciated in the propeller shaft, roller for printing/packaging sectors.



Innovation: Carbon Light started developing composite products. In the year 2012 utilizing technical fibers, multiple resin types Carbon Light has bought a lot of innovation in various fields and industries.

Manufacturing Capability

Manufacturing facility is equipped with the latest advance machinery and design team for performing most of the projects in-house. The quality of our product is the reflection of our facility in which it is created.

Following manufacturing technologies are available-

- **Filament Winding**
- **Vacuum Infusion**
- **Roll Wrapping**
- **Vacuum Bagging**
- **Compression Molding**
- **Advance Multi-Substrate Bonding Systems**
- **Static & Dynamic Balancing**
- **Destructive Testing Systems**
- **Surface Protective Coatings**
- **Autoclave/ Oven Curing**



Our Market Segments



Industrial

Our first product developed was drive shaft for cooling tower application & we are the first in India to develop such product in carbon fiber composite. Over the years we developed many industrial products at carbon light, few of them are listed-



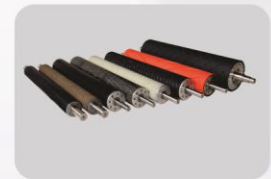
TORQUE ARM



COOLING TOWER
DRIVE SHAFT



PROPELLER SHAFT



ROLLERS



Medical

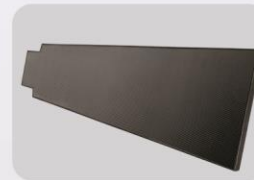
In the field of medical application we have replaced many metallic components with carbon fiber composite. Recently we have developed different types of Radiolucent carbon fiber bed which helps a lot in operation theaters. As of now, we have developed Carbon Fiber Prosthetic Keel, Pylon Tubes, Half Ring etc.



PYLON TUBES



PROSTHETIC KEEL



C-ARM TABLE TOP



CARBON FIBER HALF RING



Defence

Our R&D team is continuously rendering it's services in the field of defence by manufacturing robust and intuitive designed products. We have developed many products for esteemed defence organization like- BEL, DRDO, BARC, OFB and many more.



TACTICAL LADDER



COMMUNICATION TRIPOD



UNDER WATER EXPLORATION
(SENSOR SUPPORT)



TUBES



Aerospace

Customization in composite products is our specialty, and this specialty helps us a lot to develop products for aerospace sectors. Carbon fiber wings, drone parts, customized molded parts, carbon fiber sheets in different geometry are some of our products developed for aerospace.



CARBON FIBER WING



UAV / DRONE



CARBON FIBER SHEETS



CARBON FIBER
MOULDED PARTS

Our Esteemed Clients



DRDO
(Defence Research and
Development Organisation)



BEL
(Bharat Electronics Limited)



NIOT
(National Institute of
Ocean Technology)



BARC
(Bhabha Atomic
Research Centre)



NTPC
(National Thermal Power
Corporation Limited)



NAL
(National Aeronautics
Limited)

Overseas Customers



DENMARK



ESTONIA



GERMANY



ISRAEL



ITALY



LEBANON



NORWAY



TURKEY



UAE



USA



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45001:2018 Certified Company