Prepreg Carbon Fiber Auto parts intake tubes (Autoclave process)

About AURORA Carbon Fiber Workshop:

Aurora Sports is a longstanding premium helmet manufacturer with more than 24 years R&D experience in all types of In-mold helmet, ABS helmet, and carbon fiber helmets. We have our own helmet manufacturing base, having formed an integrated industrial chain for helmet production, starting from mould-opening to assembling of end products.

Since the order quantities of real carbon fiber helmet are quite small, so excess manufacturing capacity allow us to make carbon fiber parts for crafted aerodynamics, automotive parts, motorcycle parts and other custom carbon fiber parts by using the same workshop and R&D center. Our craftsmen have extensive experience in manufacturing custom carbon fiber components, with over 20 years in the composite industry. The area where we are located is strongly characterized by the proximity to prepreg's production facilities and specialized research centers on new and innovative composite materials.

In 2015 AURORA SPORTS has completed the professional workshop dedicated to carbon fiber manufacturing on customers specifications. The workshop of 2000 square meters includes: Autoclave (diameter 1700 mm to 5500 mm in length), vacuum forming mold, clean room, trimming and painting area;

We are able to provide:
•3D modeling
•Design and production of molds made of carbon fiber
•Realization of single products or series

75WV545

Facility Show:

1. Carbon Fiber Helmet Extrusion blow molding process:

2. Autoclave Processing(Vacuum bagged)

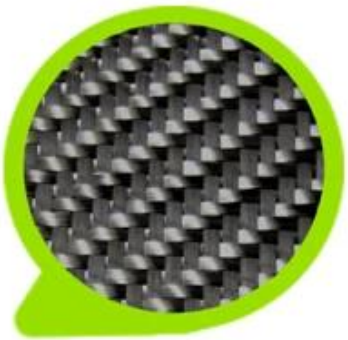
3. Trimming & Painting Area

Trimming & Painting Area

Raw Material Show:

UD Tow

12k Tow



3k Tow

1k Tow

Spread Tow

DESIGN CONSULTATION

• Research and Development
• Engineering Services
• Tooling and Machining
• Rapid prototype
• MATERIAL
• Prepreg(Dry carbon) , Epoxy Resin
• Plain weave/Twill weave

MANUFACTURING

• Autoclave Processing(Vacuum bagged)
• Oven-Cure Processing
• Heated Press Processing
• Post Production Services
• CNC Machining
• Welding
• Finishing: Glossy/Matte
• Painting/Silkscreening

Our Business Scope:

Here are Carbon Parts Pros we specialize in providing our customers with exceptionally crafted aerodynamics and custom auto parts. We are the original direct factory providing OEM auto parts. We stand behind every product we sell and look forward to fulfilling your automotive needs.

• carbon products,carbon interior,body kits,rims, wheels,etc...
• R&D advanced auto parts for luxury cars, like carbon fiber exhaust pipe, carbon fiber car intake pipe, carbon fiber car spoiler, carbon fiber car rear spoiler, carbon fiber heat pipe, carbon fiber diffuser, carbon fiber engine cover, etc...
• carbon fiber furnitures including carton fiber chairs, carbon fiber tables, etc....
• Manufacture OEM helmets with high standard

Customized Production Options:

• Technology: Autoclave process (Vacuum bagged), Compressing mold, Extrusion blow mold;
• Material: Prepreg(Dry carbon) , Epoxy Resin ;
• Finish:Glossy/Matte
• Plain weave/Twill weave
• Perfect fitment

Our Services:

• Well-trained & experienced technicians can reply your inquiries in English promptly
• Go-to-meetings provided during specific project discussions
• Provide you our expertise in engineering and product development to reach optimum production
• Confidential lab gives protection to your projects from any exposure damage
• Very accurate and powerful 3D printing & hand moulding

Our Test lab:

In order to manufacture quality helmets, we learn not only from the design theory, but also make progress

from testing result! That's why our factory equipped with professional testing lab to ensure every design is practical & amenable! Our testing standard is more strict than the related certificate requirements, that's why we can promise the model that we provide can definitely pass the corresponding test by third-party!

Certification:

Below is our certificate :we have ISO9001 ,letters patent ,CE documents ,and we have our own lab to make sure every our product can meet the testing requirements

CERTIFICATE

WHY US:

There are several advantages:

- Quality: with strict quality management system and first-class products

- OEM&ODM: We can provide OEM and ODM service for customers

- R&D team: With professional and independent technical development team

- Price: We have our own production line, to reduce the price to a minimum

- Patent: We constantly introduce patented technology products

- Service: Perfect after-sales service, so customer satisfaction

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We are an original OEM factory and we already signed confidential NDA with our clients, so we have limited product shows on our website. Feel free to contact us with any motorcycle/auto performance or carbon fiber related questions. We can make your idea come true!