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 bagging mold, Compression Molding, Extrusion blow molding, 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

Facility Show:

1. Carbon Fiber Helmet made by Extrusion blow molding process

2.Autoclave Processing(Vacuum bagged)

Raw Material Show:

Carbon Fiber Product Picture:

SKY
(SHOT)

The Customized accessories:

There are four different helmet strap buckle for your freely choice:

- Standard ITW brand Nylon helmet buckle
- Traditional helmet buckle
- Patent self-developed magnetic buckle (the comprehensive safety, functionality and great ease of use of helmets with the "one-hand fastener",with strong magnets make them easy to close and open, very convenient and safe).
- Fidlock brand magetic buckle.

Customized varieties colors of helmet accessories for your freely choice:

- Available helmet lockable strap divider in varieties color.
- Available helmet strap buckle in varieties colors.
- Available helmet strap holder in varieties colors.

Buckle Options

ITW standard helmet buckle

Traditional helmet buckle

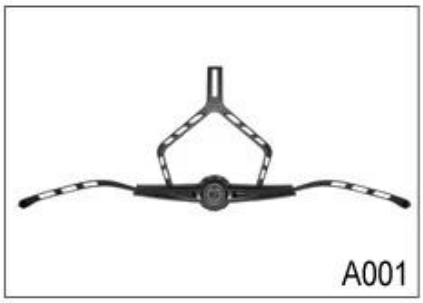
Patent self-developed magnetic buckle

Fidlock magnetic buckle

We can also customize various colors buckle.

Don't be surprised! As a factory with 23-year R&D experience, we have developed a serie of adjustments for different helmets & comply with different helmet designs!You can find Up & Down adjuster, Y shape adjuster, LED adjuster,full head adjuster, transparent adjuster, integrated adjuster, etc. all at our factory! What's more, in order to satisfy your brand demand, we can add logo stickers or customize your exclusive adjuster according to your design or idea! The multi-color combination of our adjustments is also one of its highlights.We promise every rotating dial adjustment is of well-made & can provide you a comfortable & stable fitting experience!

Adjustment System Options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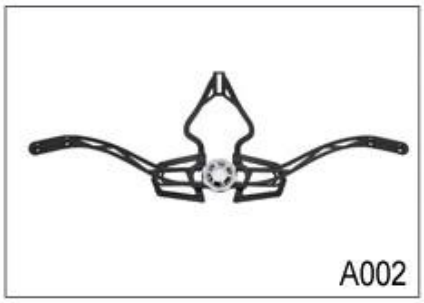
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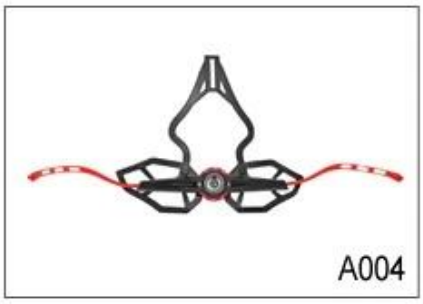
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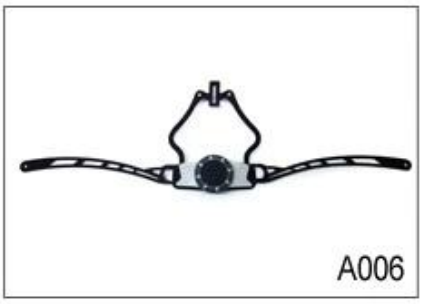
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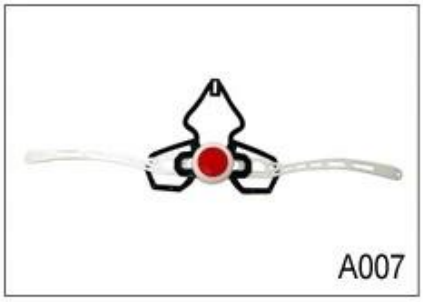
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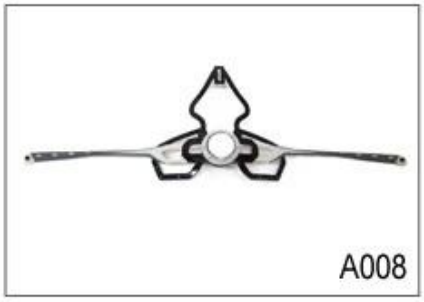
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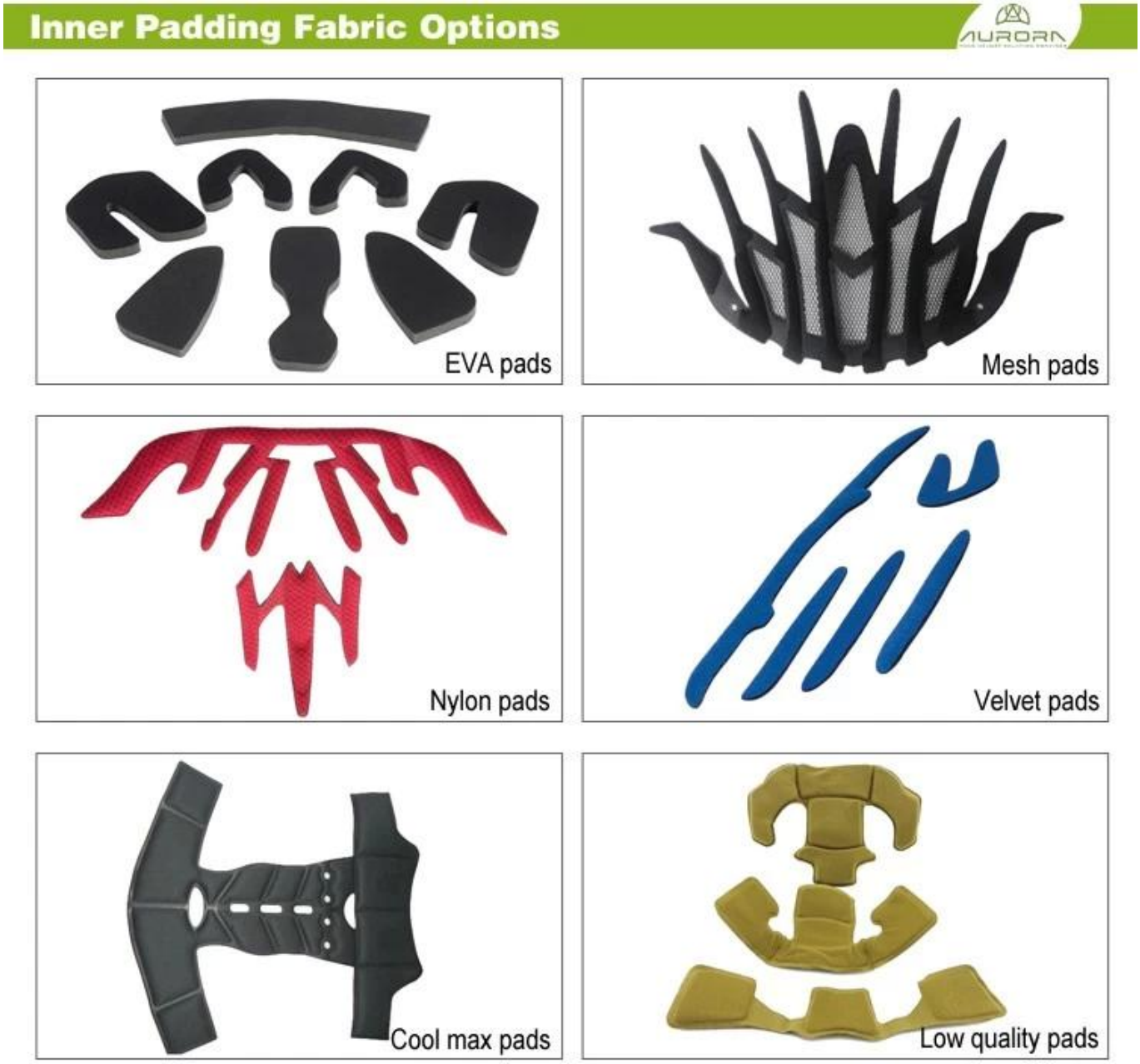
There different kinds of inner padding fabric options.
EVA pads: It is closed cell and impervious to water, has resilient feel.
Mesh pads: it can prevent dust and small insect fly into the helmet during wild riding.
Nylon pads: antibacterial and skin-friendly, easy to clean.
Velvet pads: very soft and comfortable feeling.
Cool max pads: very high-end, can keep the hair dry and cool during riding.
Low quality pads: easy broken after friction with hair, uncomfortable and hot.



The head circumference knowledge of helmet carbon fiber:

European Headform:

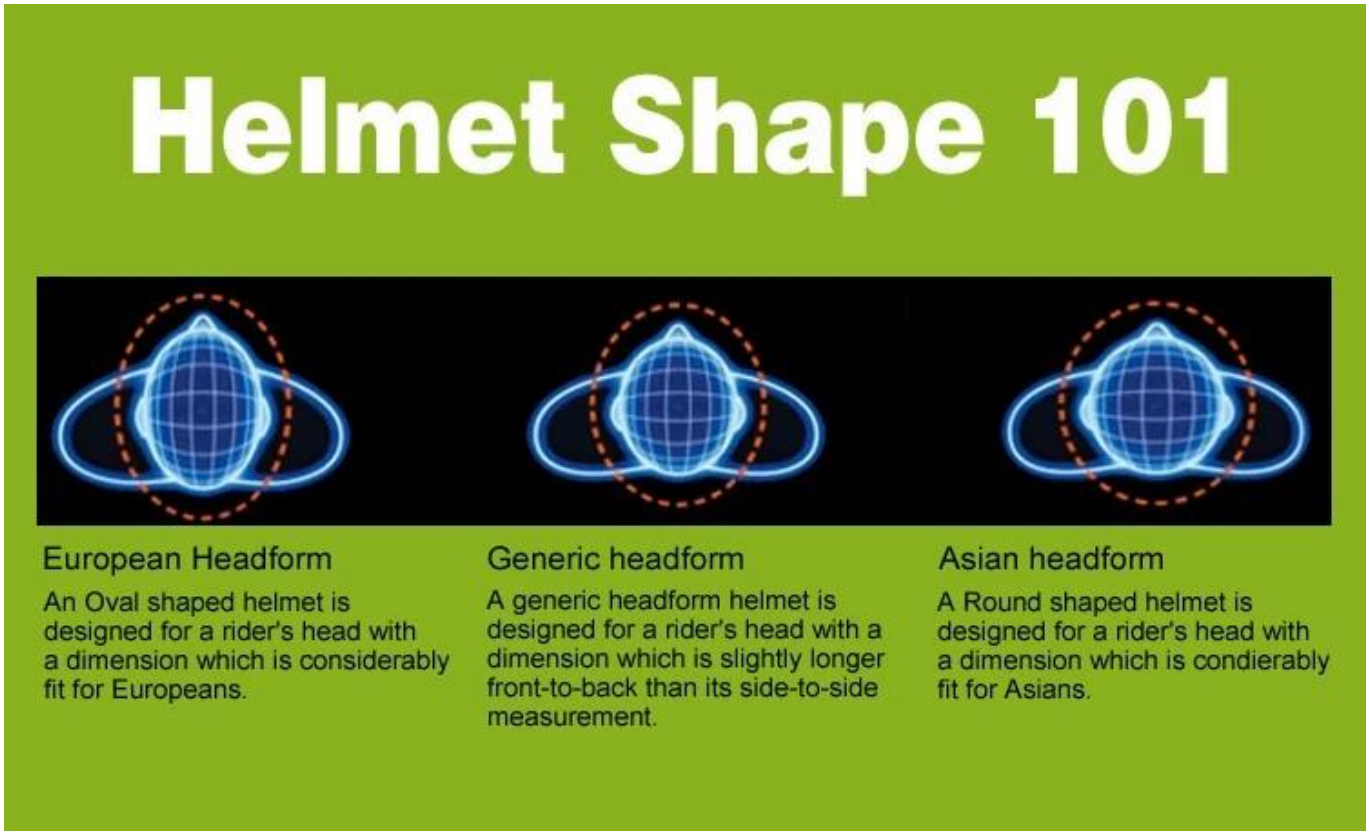
An Oval shaped helmet is designed for a rider's head with a dimension which is considerably fit for Europeans.

Generic headform:

A generic headform helmet is designed for a rider's head with a dimension which is slightly longer front-to-back than its side-to-side measurement.

Asian headform:

A Round shaped helmet is designed for a rider's head with a dimension which is condierably fit for Asians.



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

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!