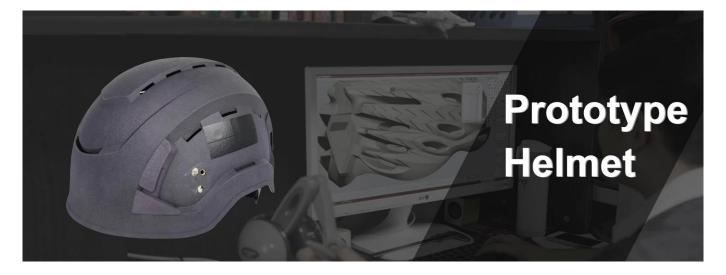
Safety Helmet Project Development R&D service



Aurora Sports offers one-stop-

service for new bicycle helmet development. Thanks to our engineers and expertises in our R&D team.

Our director has more than 28 years helmet developing experience. Engineers are famil iar with the related helmet safety standard, eg EN1078,CPSC1203, and skilled with CA D drawing program. Our service scope includes but not limited to helmet idea evaluatio n, convert idea or scratch into the CAD drawing, Making prototype, In-house testing.

Following is our R&D helmet project guideline::

- Helmet Concept/Idea
- Clay Model
- CAD Drawing
- 3D Prototype
- MOLDS
- SAMPLE
- TESTING

The purpose of 3D printing prototype:

- Consumer Review / / Having a physical product in your customers' hands will allow your team to gather feedback and test functionality.
- Proof of Concept / / Having a physical product for each design iteration can provide valuable part functionality insights.
- Manufacturing Prep / / Use a prototype to test and edit the product design before investing in tooling and large-scale production.

The detail pictures of safety helmet prototye:







The head circumference knowledge of bmx helmets uk :

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-toback 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.

Helmet Shape 101



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

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!

Our In-house Testing Lab



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





Our factory's profile:

Aurora Sports is a helmet manufacturer, with more than 15 years experience in producing all types of helmets. In-house design and R&D teams with established experience, allows Aurora Sports to quickly answer to demanding requirements and create from scratch whole programs and collections with rigorous quality standards.

CUSTOMIZE FOR BRAND

Logo style: Dome, Metal, UV-Dart sticker, Water decal..





(A)

The helmet production procedure is as below:

silk screen \rightarrow PC blister tooling \rightarrow PC blister manufacture \rightarrow Trimming dug hole \rightarrow EPS raw material by different density \rightarrow EPS in-mold tooling \rightarrow helmet in-mold workshop \rightarrow in-mold machines \rightarrow in-mold tooling \rightarrow in-mold producing process \rightarrow semi-finished in-mold helmet \rightarrow IQC inspection \rightarrow helmet grinding \rightarrow inner padding production \rightarrow plastic injection workshop \rightarrow assembly line \rightarrow inside labeling \rightarrow packing \rightarrow warehouse \rightarrow installed counters.

Production Procedure

Silk screen



EPS in-mold tooling



semi-finished In-mold helmet



Assembly line



Inside labeling

PC blister tooling



Helmet in-mold workshop In-mold machines



Packing

Inner padding production

Helmet grinding

PC blister manufacture



Warehourse

Trmming dug hole





(120)

AURORN

Eps raw material by different density



In-mold producing process



Plastic injection workshop



Installed counters

The delivery express:

International express, air freight & sea transportation are all can be well arranged here! You can pick every possible transportation that you want & we will do our best to assist you! We have already built a longterm relationship with different shipping companies & shipping agent, all our efforts aim at providing you the best shipping experience! Choose us, it will be easy to keep the helmets safe all the time!

SHIPPING

