



Cool and Clean Air Motorcycle Helmets

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Experience:

http://coph.ntu.edu.tw/zh_tw/about/faculty/%E9%99%B3-%E5%BF%97%E5%82%91-23511170

<http://ah.ntu.edu.tw/web/Teacher!one.action?tid=798>

Market Needs:

According to a recent Taiwan EPA report, PM_{2.5} concentration emitted for motorcycle tailpipes could exceed 730 µg/m³. Motorcyclists could be exposed to PM_{2.5} of up to 460 µg/m³. The designed Cool and Clean Air Motorcycle Helmets were to decrease particle exposure and increase comfort for motorcyclists.

Our Technology:

Cool and Clean Air Motorcycle Helmets were designed for motorcyclists. The clean air was supplied to the interior of the helmet after filtered with High efficiency particulate air filter. Cool and Clean Air Motorcycle Helmets can effectively reduce the exposure to PM_{2.5} concentration. The particle removal rate was up to of 99 %. It also can reduce the temperature, humidity and CO₂ concentration inside the helmet to improve comfort of the helmet.

Strength:

Cool and Clean Air Motorcycle Helmets can effectively reduce the exposure to PM_{2.5} concentration for motorcyclists and can simultaneously reduce the temperature, humidity and CO₂ concentration inside the helmet. Compared with the commercial full-faced helmet, reduction of particle exposure and improvement of the comfort were the advantages.

Competing Products:

The commercial helmet for motorcyclists.

Intellectual Properties:

Our research team has 20 years of research experience and has a deep understanding of the field of aerosol technology.

Contact (do not need to fill out):

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