

Ventilation:

Comprehensive and controllable ventilation is based around 13 ventilation ports: 7 intake, 6 exhaust. The 3D Arai logo feeds cooling air into two central intake points and works well at low speed, alongside dual F1-derived tear duct top intakes, twin brow vents and 2-position sliding air-scoop, filtered chin vent. Hot air is efficiently extracted via the 3-way one-piece rear exhaust/spoiler, twin flush-fit side exhausts (with foam dams to reduce noise) and neck exhaust.

General

- ✓ Outer shell PB e-cLc
- ✓ Variable Axis System (VAS)

Front ventilation

- ✓ 3D Arai logo duct
- ✓ Dual intake
- ✓ Brow vents**
- ✓ Three position chin vent

Rear ventilation

- ✓ Neck exhaust vent
- ✓ One-piece rear exhaust with spoiler function
- ✓ Side exhausts

Aerodynamics

- ✓ One-piece rear exhaust with spoiler function

Visor

- ✓ VAS Max Vision Visor with De-Mist option
- ✓ New shield latch lever
- ✓ PRO Shade System (option)**
- ✓ Pinlock insert lens

Interior

- ✓ Brushed nylon Liner material
- ✓ Replaceable Cheek Pads/Ear cups
- ✓ Replaceable Interior
- ✓ Speaker pockets
- ✓ Facial Contour System (FCS)
- ✓ 5mm "Peel Away" Temple pad

Comfort

- ✓ Emergency Release System (ERS)
- ✓ Breath guard
- ✓ Chin Curtain (fixed)
- ✓ Chin Curtain (removable) (option)
- ✓ 5mm wider Base
- ✓ Intercom accommodation
- ✓ Neckroll wire pocket

Approval

- ✓ ECE R22-06

** Innovated and exclusively offered by Arai



QUANTIC
Diamond White



PB e-cLc Outer Shell

PB e-cLc (Peripherally Belted e-Complex Laminate Construction). The PB e-cLc outer shell design outlines a stylish, organic shape and uses a Peripherally Belted e-Complex Laminate Construction for lightweight strength; it's designed to glance off and spread impact forces. New materials have been used to substitute the AR-mat as middle layer, resulting in a substantial weight reduction while maintaining the same strength as the PB-cLc construction.



3D Arai logo duct

Immediately noticeable, the new 3D Arai logo duct (just 3.5mm in depth) feeds two central 10mm intake ports. This is a first in an Arai, and entirely due to PB e-cLc's strength and the shell construction. It also works very well at low speed and with an upright riding position; at just 50km/h it's channelling an extra 40% airflow, at 120km/h 7%. If the rider can't see the lever and the logo is in its normal place, the duct is open. The Arai logo duct is designed to breakaway in the event of an impact.



Air-scoop chin vent

Also new is the 3-position (open, midway and closed) sliding air-scoop chin vent which flows a larger intake volume of air and has a replaceable filter. The actuating mechanism is thicker and easy to use with gloves.



Replaceable interior

The complete interior may be easily removed. All parts (replaceable or not) can be cleaned with lukewarm water and mild soap. Rinse well after cleaning and never dry in direct sunlight or near a heat source. Interior parts in different size thickness are available for a custom fit for every rider.

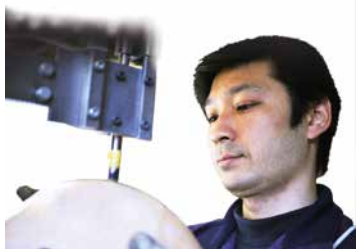


Rear exhaust/spoiler

The one-piece rear exhaust/spoiler, operated by a 3-way switch, is inspired by the DF-X2 of the RX-7V Racing, but redesigned for touring use – however, it was tested up to 300km/h at Suzuka. It is fed by 3 ports in the shell. As part of the Quantic's comprehensive ventilation system it efficiently draws air but also smooths airflow over (and from the side) of the helmet, improving stability and reducing buffeting. The result is much less rider fatigue. It's designed to crush or break away upon impact, therefore having no impact on protective performance.

Five times inspected

Each Arai helmet goes through five separate quality-control departments: after the shell is made, after painting and graphic completion, after assembly and two in-process inspections.



Washable interior

The premium quality interior of any Arai helmet can be easily cleaned, in place, with mild soap and lukewarm water



Handmade

It can take up to five years for our experts to earn the right to create an Arai shell. Each shell can take up to 27 steps and to build one Arai helmet will take about 18 man-hours.



All-day comfort

All-day comfort with the Arai interior fit and shape together with the finest liner materials and the extensive ventilation system. And thanks to the perfect balance and weight distribution of the helmet, you hardly notice you are wearing an Arai.



Penetration tested

All Arai helmets are penetration tested, although not required by European helmet standards. The Arai penetration test is performed with a 3kg test cone that strikes from a height of 3m on the helmet.



Double-D ring device

The flat and D-shaped rings fit smooth against the chin. No moving parts, no corrosion problems and just pulling the tab is enough to loosen the fastener.



Smooth shape, better protection

The smooth outer shell of Arai helmets is designed to glide without unnecessary resistance. You don't want to decelerate your helmet more than necessary. That's why all Arai vents and ducts are designed to break off during an impact.



Strong outer shell, soft inner shell

Arai uses a very strong outer shell to spread impact forces and a soft inner shell to absorb remaining energy. The multiple-density EPS inner shell is made using a unique technology of combining three to five densities in various areas as a single component.



Organic shape

The organic shape of an Arai outer shell offers a more natural appearance, seals better and conforms more to the head's natural shape for improved comfort, fit and to help minimize wind turbulence.



5-year limited warranty

All Arai helmets are warranted against defects in materials and workmanship, and are serviceable only for the properly fitted first user for 5 years from date of first use, but no more than 7 years from date of manufacture.



Different outer shells

Unlike many other manufacturers Arai provides one size outer shell for each two-helmet sizes for most models. Together with different shaped outer shells for different models it is almost impossible not to find the fit you are looking for.



Arai In-house criteria

This Arai helmet is designed to meet the stringent Arai In-house criteria, in addition to the mandatory ECE standard.

