

Technological research & development / Product development

Based on the product specifications presented by customers, we propose optimal gasket specifications that satisfy the required performance using uniquely developed raw materials.

Current Mass-Production Parts

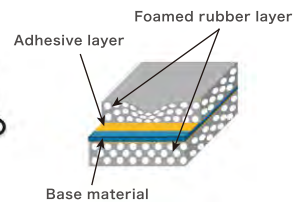
Seal components used for the engines and transmissions of automobiles and motorcycles



Metal gasket
(hard type)

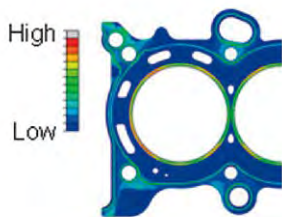


Metal gasket
(soft type)



Equipment for product development

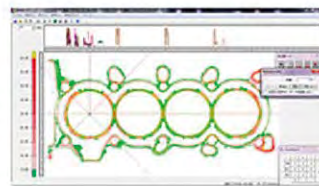
Surface pressure generation modeling



CAE analysis

By using the CAE technology, we study specification parameters to establish optimal design specifications in a short period.

Digitization of generated surface pressure



3D display of generated surface pressure



Surface pressure analysis

By reproducing the tightened parts and digitizing the generated surface pressure, we evaluate sealability and clarify the distribution of surface pressure, which is affected by the movement of tightened parts, and confirm the appropriateness of the design concept.

Analysis, evaluation, and testing

Measurement of surface configuration



Static test



Engine durability test



Fatigue test



Designing

Product development



Product development

