



4. FEA: Finite Element Analysis

we undertake customer specific projects that can combine our material testing and dynamic testing capabilities

Finite Element Analysis (FEA):

Our Finite Element Analysis capability allows us to provide an accurate mathematical prediction of seal performance. This technology allows us to model seal performance on the computer and ensure right first time solutions to sealing applications.

The type of analysis we undertake can be as simple as calculating the maximum force required to insert a seal or as complex as predicting seals performance after many years of service.

We carry out customer specific projects that can combine our material testing and dynamic testing capabilities, in conjunction with FEA prediction, to provide data that provides a high level of confidence that the seal will retain its integrity over the designed life of the application.

