

●企画・設計

お客様の要望や社会環境を考慮し、これまで蓄積してきた研究成果をもとに、最良の製品を企画します。企画に基づき数百点にのぼるアイデアスケッチの製作検討、クレイモデルの製作等を行い、人間工学、流体力学など幅広い分野にわたる最新科学を駆使しながら、お客様や社会の求める理想のくるまを具体的な^{あした}かたち^{あした}にしています。

●試作・評価

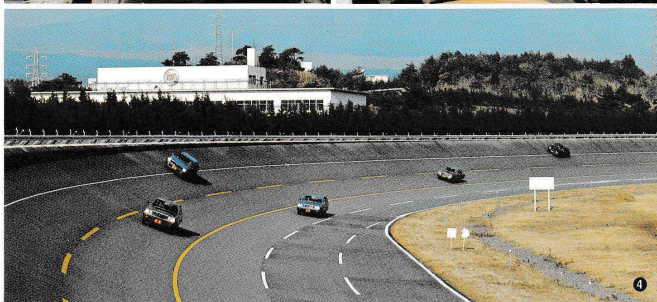
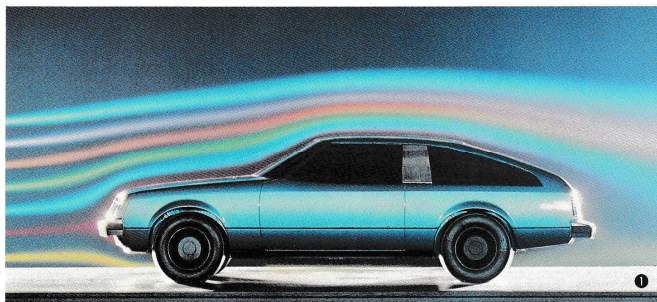
試作した車をもとに、車が市場で出会うあらゆるケースを再現できる各種試験設備や装置を駆使し、安全性、低公害性、経済性などを評価。その結果に基づいて改良し、再び評価……。この繰り返しにより、より良い車づくりを徹底的に追求しています。

Planning and Design

Product planning in Toyota aims to create the finest possible products, basing its work on the results of research the Company has performed over the years, and on a careful consideration of the social environment and the demands of customers. After an initial plan is formulated, hundreds of ideas are sketched and carefully reviewed. Then clay models are prepared, and advanced scientific and technological studies are applied from a wide number of fields, including human engineering and hydrodynamics.

Prototypes and their Evaluation

By exposure to every possible driving situation with the use of various kinds of experimental equipment and facilities, prototype vehicles are evaluated for their safety, low pollution, economy and other characteristics. The results of the experiments are reviewed, improvements are made and new experiments are then conducted for further evaluation. By repeating this process over and over, Toyota engineers strive to create ever better automobiles.



① 1/5風洞実験

1/5 size wind tunnel experiment

② アイデアスケッチ検討

Review of idea sketches

③ 3次元マネキンによる室内検討

Aboard-vehicle studies using 3-dimensional mannequins

④ 高速走行試験

Outdoor high speed running tests

⑤ 横風送風試験

Side wind test

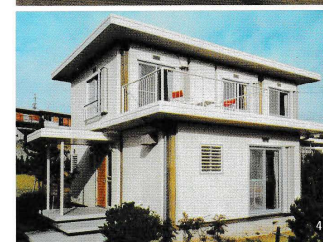
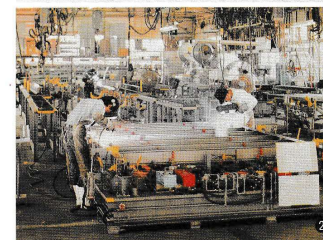
より快適な居住空間の実現——

トヨタは住宅にも技術力を結集しています。

Toyota Uses its Technology to Create More Pleasant Living Space

トヨタは、常により豊かな^{あした}未来を^{あした}考えています。そうした企業姿勢の具体化の一つに、住宅分野への参画があります。自動車で培った各分野にわたる技術力を結集し、品質、信頼性ともに優れた住宅（トヨタホーム）を社会に送り出すよう日夜努力を続けています。

Toyota is continually working toward creating a better tomorrow, and the Company's participation in the housing field is an expression of this corporate attitude. The skills Toyota has cultivated through automobile manufacturing are now being utilized to produce high quality, highly dependable housing, called the Toyota Home — all part of the Company's continuous efforts to contribute toward making daily life more comfortable.



① 各フレームを6面体に組立

Frames assembled into six-sided unit

② フレームの溶接

Frame welding

③ JA型トヨタホーム

Toyota Home, Type JA

④ KO型トヨタホーム

Toyota Home, Type KC

⑤ トヨタオフィス

Toyota Office