



## ENGINE TEST BENCHES



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## AUTOMOTIVE POWERTRAIN

Engine testing is an essential step in the production process, intended to guarantee the **product quality**. To achieve this goal in a cost-effective manner and within a reasonable time, a constant development of test-related methods and systems is absolutely necessary. In the space of a few years, the engine testing standards may be even subject to radical changes with a view to reducing inspection costs and time.

Simpro is a leading company in designing and manufacturing **test cells for endothermic engines**, always

keeping abreast of the engineering progress of customers and suppliers as well as of the technological innovation and the most advanced professional standards.

Simpro is capable of designing and installing two different types of systems: **hot** and **cold** test benches, each of which being used to detect different faults in accordance with the customer's economical and functional requirements.

Simpro also designs and installs specific systems to test engine oil and

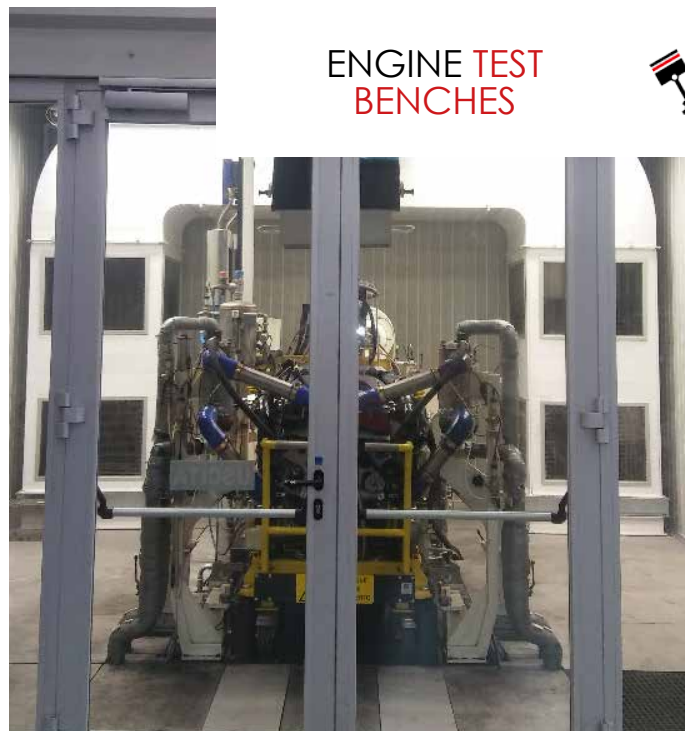
water circuits **leaks** or **transmission** performances.

Therefore, each design solution is conceived and developed to the last detail in order to provide the customer with a product complying with his own production requirements.

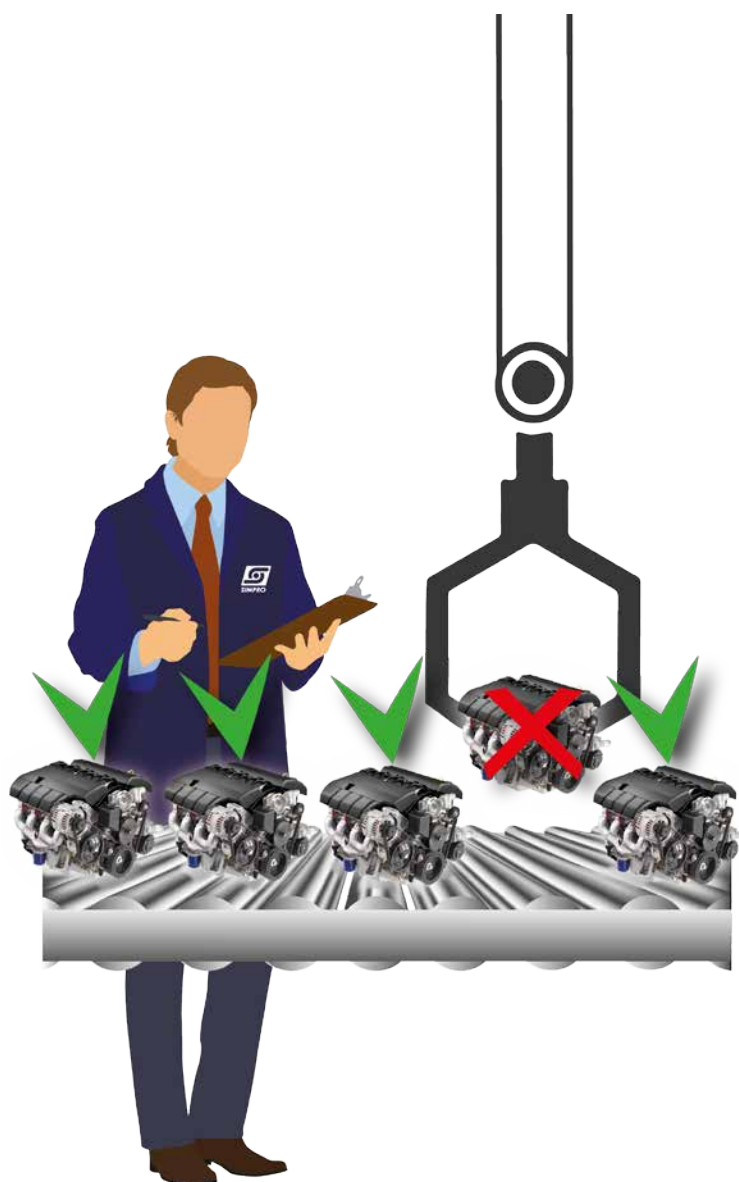
Such machinery and systems are turnkey supplied and, where required, a full customer service including a 24-hour assistance in case of failure, personnel training and periodic maintenance will be provided.







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### FEATURES

- Turnkey supply;
- Tailor-made solutions for every production requirements;
- CSS Control System;
- Automatic system for engine testing control and data storage;
- In-Line and End-of-Line testing plants;
- Automatic or semi-automatic systems;
- Testing data management software;
- NVH analysis;
- In-house Research and Development to optimize best test parameters and conditions with the aid of mapping activities;
- More than 290 testing systems installed all over the world;
- Complete after-sales service by means of offices located all over the world to support the customers:
  - assistance;
  - staff training;
  - maintenance and supply of spare parts;
  - remote service;
- Supply of transportation and handling devices;
- Wire harnesses and engine testing connectors, internally developed.