



~Advanced Test System and Test Bench Engineering Professional~

Tokyo Plant Co., Ltd.



Aftersales services

Update 2026.09.28

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» Maintenance and after-sales service

Even those who pay attention to their daily health can vaguely judge their physical condition on any given day though, However, without the help of a medical specialist, it is impossible to accurately determine the state of one's internal health.

The testing equipment wears out its many parts very slightly with each repeated test.

The oil used to minimize wear also deteriorates and wears out with frequency of use and the passage of time. Testing equipment that does not have a natural regenerative capacity can be kept in the best condition through periodic maintenance to monitor its health and perform necessary servicing. Periodic maintenance is required to ensure accurate data measurement with the test equipment.



» Regular maintenance prevents breakdowns before they occur.

Especially when the testing equipment is used under severe conditions, such as continuous endurance tests, the bearings and seals of each part are damaged quickly and need to be replaced periodically. After product maintenance, we closely check the condition of the product before shipping, including metrology and operational inspections.

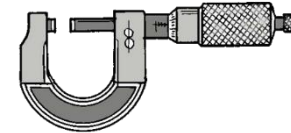
Only test equipment that has passed our strict standards is delivered to our customers again.

» Benefit for customers

- ✓ We will organize and manage the repair history, trouble history, and modification history, which will reduce the burden on the customer.
- ✓ We can prevent breakdowns and minimize damage from accidents and problems.
- ✓ We will prevent any trouble after the overhaul because our professional engineers will carry out the work. After the overhaul is completed, testing can be conducted with confidence.
- ✓ After overhaul, static torque accuracy returns to within $\pm 0.5\%$ F.S.
Therefore, the measurement system can be maintained and accurate test data can be measured.
Restored to like-new condition.
7,000 hours or 5 to 7 years of reliable use until the next maintenance period.
- ✕ The maintenance cycle (number of years) varies depending on the customer's frequency of use and the test bench environment.
- ✓ If a full overhaul is performed, the warranty will be extended for an additional year after delivery.

» Main menu of maintenance

- ① Bearing replacement and greasing of rotating parts
- ② Replacement and supply of OIL to lubricating parts
- ③ Measurement of coupling runout and surface runout
- ④ Correction of shaft balance
- ⑤ Replacement and correction of bearing parts
- ⑥ Replacement and correction of seal parts
- ⑦ Checking and correcting electrical components
- ⑧ Checking, correcting and replacing all connectors and cables
- ⑨ Calibration of torque and load (temperature, pressure, and rotation are also possible)
- ⑩ Tightening of bolts
- ⑪ Cleaning and repainting
- ⑫ Calibration and test run inspection



» Maintenance report

After disassembling a product, we photograph, inspect, and test every single part, down to the last bolt.

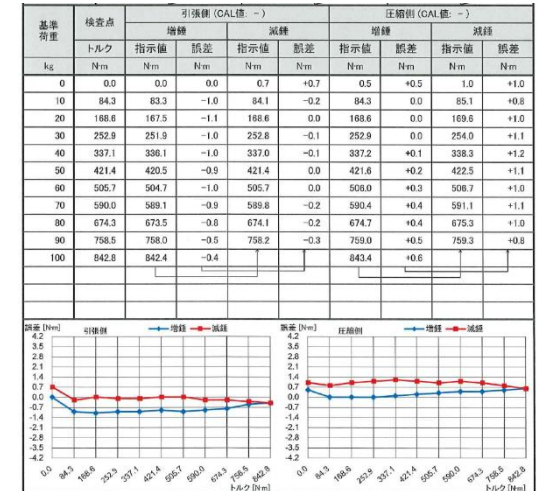
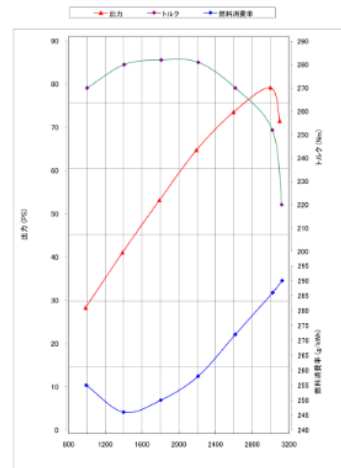
We are confident that the report is free of ambiguities, and our customers can be assured that it is free of ambiguities.

(In addition to the photos, the actual report will be annotated with arrows and notes on the problem areas.)



》 Performance test before delivery

Connect the dynamometer to the engine in our test bench and conduct a test run inspection. Mainly, Are there any oil or water leaks, or abnormal vibrations? We deliver the product to the customer after confirming that there are no problems with the product.



》 Proposal maintenance planning

The test equipment can be used for a span of 20 years or more with continuous maintenance.

We propose appropriate maintenance plans based on the frequency of use, operating hours, and other factors. If you need a plan for running costs and maintenance before or after purchasing our products, please feel free to contact us. when you need a plan for running costs and maintenance.



» Recommendation annual inspection on site

Failure to perform daily, monthly, and annual inspections of the product could, in the worst case, result in the death of an employee due to shattering of the rotating parts.

In addition, correct measurement data is essential for the development, experimentation, and testing of your application. When test equipment ages, high accuracy cannot be maintained and proper data cannot be obtained.

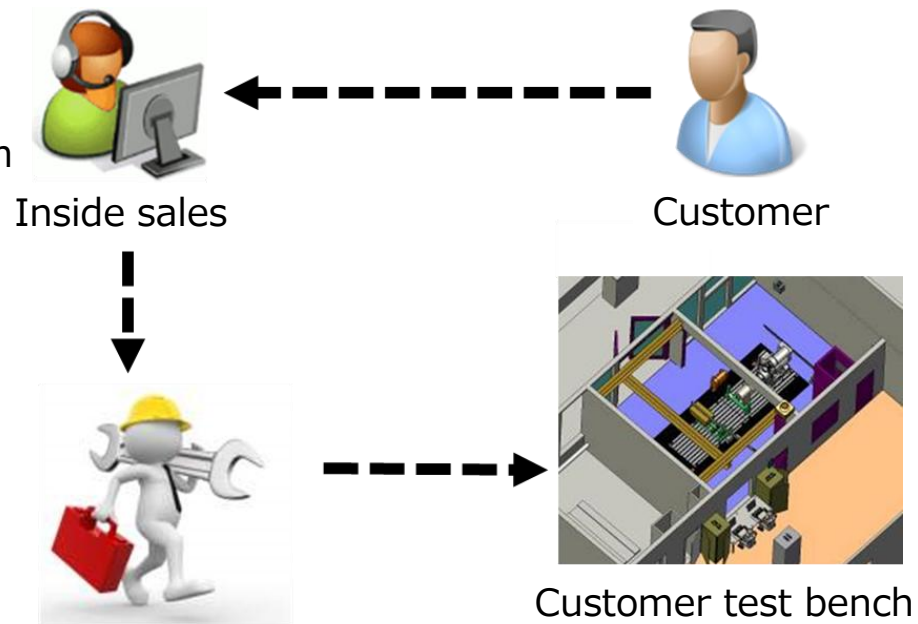
We recommend annual inspections to prevent these things from happening and to ensure safe use of our testing equipment.

We can dispatch engineers to any location in Japan upon your request.

(※This service is available for a fee.)

» Main menu of onsite inspection

- ① Torque and load calibration work (also available for temperature, pressure, and rotation)
- ② Appearance inspection
- ③ Oil change
- ④ Bolt tightening
- ⑤ Calibration of control and measurement system
- ⑥ Confirmation of trial operation
- ⑦ Submission of inspection report



» Spare parts and calibration

We can also supply single items of sensors such as spare parts for dynamometers, load cells, and rotation detectors. We also offer pick-up calibration of load cells and indicator meters.

Please contact us when you need them for your company's quality management.

(Advance booking is required).



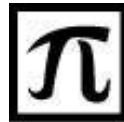
» How to inquiry

✓ Please inform us of the product name and serial number.

(Example: Model P-55A hydraulic dynamometer, serial number: 4-digit number)

✓ The serial number is a 4-digit number engraved on the nameplate of the product itself.

✓ Please let us know the name of the necessary parts. If you do not know the name of the part, we will send you a cross-sectional drawing of the part.



Since 1948



Contact Information

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