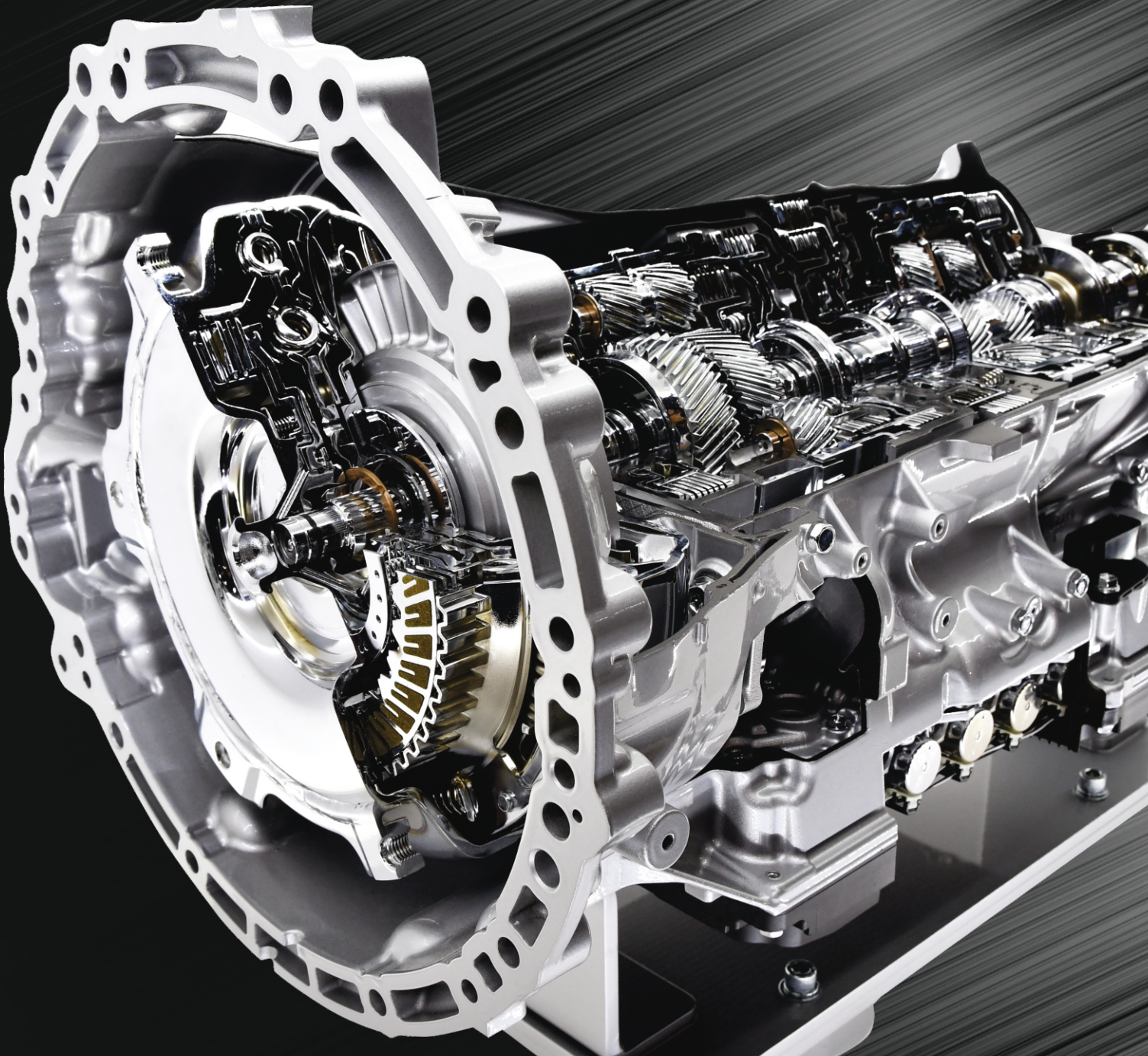
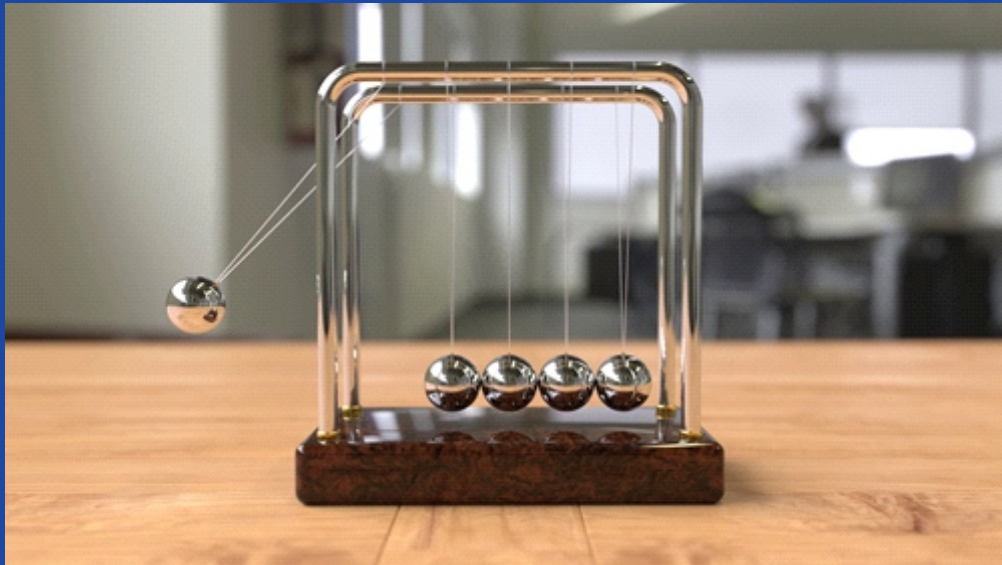


KINERGO®

CATALOGUE 2024

Valve body test machine





At KINERGO®, we strive to stay ahead of the competition by constantly generating new ideas and translating them into innovative products. Our team of experienced professionals is dedicated to developing and improving our technology to produce top-quality equipment, spare parts, and accessories for diagnosing, repairing, and restoring automatic transmissions.

- Shatkov A., CEO

KINERGO® is a fully integrated manufacturing company that prides itself in innovation, engineering, production and confidence. For 15 years, we have been developing, producing and distributing equipment and spare parts worldwide to facilitate professional repair and diagnostics of automatic transmissions.

We understand that starting a new business or expanding an existing one requires careful planning and technical expertise. Our extensive experience in repairing torque converters, as well as diagnosing valve bodies and solenoids, is at your disposal. We can guide you through the entire process, from logistics and equipment placement to repair techniques and volume estimation.

Moreover, we offer training courses for employees who want to improve their skills in using KINERGO®'s equipment. Our technical center provides hands-on training on diagnosing and repairing different types of torque converters, as well as troubleshooting valve bodies and solenoids.

At KINERGO®, we are committed to providing the best products, as well as technical support and training, to help our clients achieve their business goals.

VALVE BODY TEST MACHINE VBTM-K | GT 01.100

The test method is based on comparing the parameters of the tested valve body with the parameters of a known-good one. To ensure high measurement accuracy, a modern, multi-channel, high-speed controller of our own production is used.

The machine imitates the operating conditions of a valve body in a vehicle.

The machine at a given oil temperature in manual or automatic mode, applies pressure and sends electrical signals, controlling the solenoids on the valve body, takes and processes the data received from the output channels.

The stand is equipped with a heater and a temperature controller, which allows simulating the operation of a valve-body in a cold and warm state. Using the regulator, you can change the inlet pressure, replicating the operation modes of the automatic transmission pump at different engine speeds. To start testing, the following conditions are required to be set beforehand: temperature, inlet pressure, and the selection of a scenario (solenoid control algorithm).

Stages:

- After starting the scenario, the stand will automatically start to control solenoids and simultaneously read pressure and current from all control channels in use.
- At the end of the test, the data collected is presented in the form of graphs.
- Using the intuitive software, the operator can select the analysis method that suits him best by switching the graphs from the normal view to the hysteresis view. Finally, the operator compares the results obtained from the test with the master graphic charts pre-loaded into the system and gives a conclusion.

Using the user-friendly software, the operator can select the analysis method that suits him by switching the graphs from the normal view to the hysteresis view. Finally, the operator compares the results obtained from the test with the master graphic charts pre-loaded into the system and gives a conclusion.

The sequence of work is as follows:

1. Mount the valve body to the adapter plate, connect both hydraulic hoses and electrical wiring in accordance with the attached diagram.
2. The stand must be preheated to the required temperature. Select the scenario. Set the required inlet pressure according to the pop-up prompts.
3. Start the automatic test procedure, if necessary, switch the manual valve to the required positions and await results.
4. Analyze the data collected from the test, and give a conclusion on the condition of the valve body.



Power

7,2 kW



Voltage

230/400 V



Max. oil
temperature
120 °C



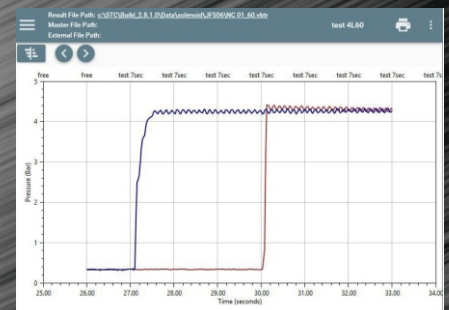
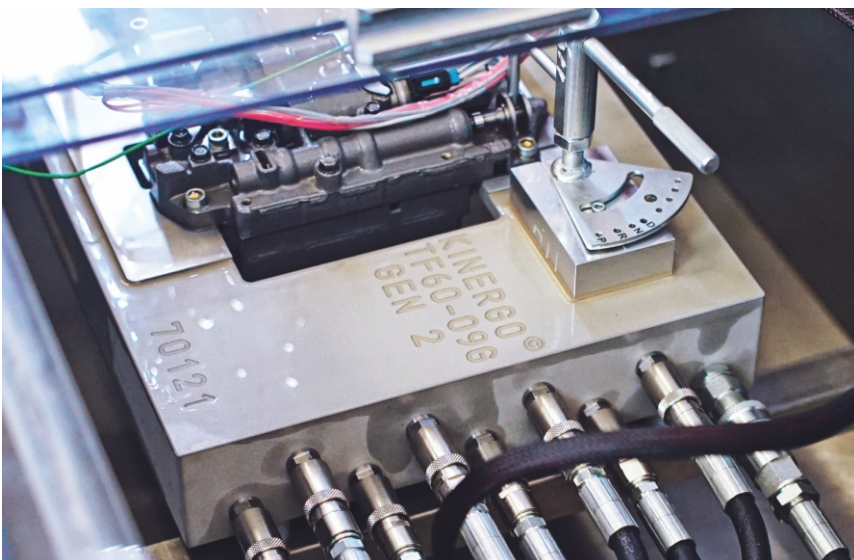
Relative
humidity
30%...80%



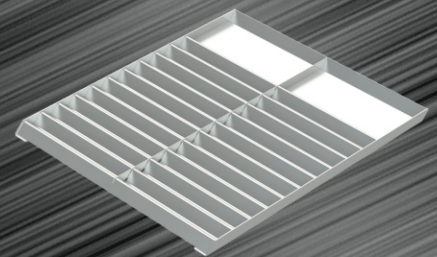
Weight (without
adapter plates)
300 kg



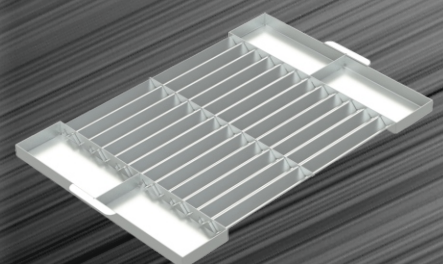
Dimensions (LxWxH)
1230x850x1500 mm



Tray for plungers
PTPN02

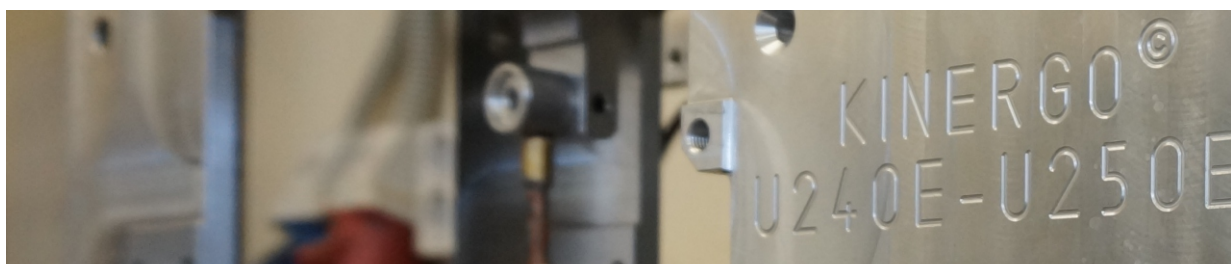


Tray for plungers
PTPN02



VALVE BODY TEST PLATES AND CABLES

Transmission	Plate code	Compatible cable
AISIN WARNER		
55-50SN, 55-51SN	70114	70114CH
55-50SN, 55-51SN	70115	70114CH
TF-80SC	70116	70116CH
TF-81SC	70118	70118CH
TF-60SN (09G), TF-61SN (09K), TF-62SN (09M)	70119	70119CH
TR-60SN (09D)	70120	70120CH
TF-60SN (09G) Gen.2	70121	70121CH
TR-80SD (0C8)	70137	70137CH
TF-71SC, TF-81SC (Gen.2)	70193	70193CH
TF-70SC, TF-80SC (Gen.2)	70194	70193CH
TF80-TF81 Sol	70203	70118CH
TF60-TR60 Sol	70204	70119CH
F8G30, F8G35, F8G45	70212	70212CH
BTR		
M11	70211	70211CH
CHRYSLER		
62TE	70238	70238CH
FORD		
5R55N/S/W	70154	70154CH
GETRAG		
6DCT450, 6DCT451, 6DCT470	70246	70246CH
GM		
6T30, 6T35, 6T40, 6T45 (Gen.1)	70153	70153CH
5L40E	70165	70165CH
HYUNDAI/KIA		
V5A51	70128	70128CH
A6LF1	70177	70177CH
A6GF2, A6LF2	70207	70207CH
Kappa CVT, Gamma CVT (COGF1)	70210	70210CH
A6MF1	70241	70177CH
A4CF1	70705	70705CH



Transmission	Plate code	Compatible cable
JATCO/NISSAN		
JF009E	70009	70010CH
JF010E	70010	70010CH
JF011E	70011	70011CH
JF015E	70015	70015CH
JF016E, JF017E	70017	70017CH
JF506E	70166	70166CH-01
MERCEDES		
722.6	70124	70124CH
722.9	70126	70126CH
RENAULT/PEUGEOT		
DP0 (AL4)	70173	70173CH
ATN8	70212	70212CH
TOYOTA/LEXUS		
A750, A760, AB60	70239	70239CH; 70240CH
U140, U150, U240, U241, U250	70215	70215CH-01; 70215CH-02
U660E, U760E	70197	70197CH
VW/AUDI		
DSG-02E	70192	70192CH
09S (AQ300)	70212	70212CH
ZF		
ZF5HP19 (Audi)	70131	70131CH
ZF6HP Gen.1 (6HP19, 6HP26, 6HP32)	70138	70138CH
ZF6HP Gen.2 (6HP21, 6HP28, 6HP34)	70188	70188CH
ZF8HP (8HP45, 8HP50, 8HP55, 8HP60, 8HP65, 8HP70, 8HP90, 8HP95)	70242	70242CH
ZF9HP48 (948TE)	70334	70334CH
Universal plates for solenoids testing		
Adapter plate for solenoid testing up to 25 bars	90000	90000CH
Adapter plate for solenoid testing up to 60 bars	90100	90100CH





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