

# ZYS Bearing Testing Machine

## One Conventional bearings and parts testing machine series

1	<b>T2-7N Bearing Testing Machine</b> 	<b>Purpose: the performance and life test of micro bearing in the inner diameter 2-7mm range are mainly used.</b>																
<table border="0"> <tr> <td>Test type:</td> <td>Deep groove ball, angular contact ball bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 2 \sim \phi 7 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2/4/8</td> </tr> <tr> <td>Maximum radial load:</td> <td>2kN</td> </tr> <tr> <td>Maximum axial load:</td> <td>1kN</td> </tr> <tr> <td>Maximum test speed:</td> <td>48000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Manual spring-loaded, automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Deep groove ball, angular contact ball bearing	Test inner diameter range:	$\phi 2 \sim \phi 7 \text{mm}$	Test number:	2/4/8	Maximum radial load:	2kN	Maximum axial load:	1kN	Maximum test speed:	48000r/min	Test methods:	Manual spring-loaded, automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Deep groove ball, angular contact ball bearing																	
Test inner diameter range:	$\phi 2 \sim \phi 7 \text{mm}$																	
Test number:	2/4/8																	
Maximum radial load:	2kN																	
Maximum axial load:	1kN																	
Maximum test speed:	48000r/min																	
Test methods:	Manual spring-loaded, automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
2	<b>T8-30nf Bearing Testing Machine</b> 	<b>Purpose: the performance and life test of conventional bearing in the inner diameter 8-30mm range are mainly used.</b>																
<table border="0"> <tr> <td>Test type:</td> <td>Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 8 \sim \phi 30 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2/4</td> </tr> <tr> <td>Maximum radial load:</td> <td>10kN</td> </tr> <tr> <td>Maximum axial load:</td> <td>5kN</td> </tr> <tr> <td>Maximum test speed:</td> <td>24000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing	Test inner diameter range:	$\phi 8 \sim \phi 30 \text{mm}$	Test number:	2/4	Maximum radial load:	10kN	Maximum axial load:	5kN	Maximum test speed:	24000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing																	
Test inner diameter range:	$\phi 8 \sim \phi 30 \text{mm}$																	
Test number:	2/4																	
Maximum radial load:	10kN																	
Maximum axial load:	5kN																	
Maximum test speed:	24000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
3	<b>T20-60nf Bearing Testing Machine</b> 	<b>Purpose: the performance and life test of conventional bearing in the inner diameter 20-60mm range are mainly used.</b>																
<table border="0"> <tr> <td>Test type:</td> <td>Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 20 \sim \phi 60 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2/4</td> </tr> <tr> <td>Maximum radial load:</td> <td>100kN</td> </tr> <tr> <td>Maximum axial load:</td> <td>50kN</td> </tr> <tr> <td>Maximum test speed:</td> <td>10000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing	Test inner diameter range:	$\phi 20 \sim \phi 60 \text{mm}$	Test number:	2/4	Maximum radial load:	100kN	Maximum axial load:	50kN	Maximum test speed:	10000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing																	
Test inner diameter range:	$\phi 20 \sim \phi 60 \text{mm}$																	
Test number:	2/4																	
Maximum radial load:	100kN																	
Maximum axial load:	50kN																	
Maximum test speed:	10000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
4	<b>T40-80f Bearing Testing Machine</b> 	<b>Purpose: the performance and life test of conventional bearing in the inner diameter 40-80mm range are mainly used.</b>																
<table border="0"> <tr> <td>Test type:</td> <td>Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 40 \sim \phi 80 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2/4</td> </tr> <tr> <td>Maximum radial load:</td> <td>200kN</td> </tr> <tr> <td>Maximum axial load:</td> <td>100kN</td> </tr> <tr> <td>Maximum test speed:</td> <td>5000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing	Test inner diameter range:	$\phi 40 \sim \phi 80 \text{mm}$	Test number:	2/4	Maximum radial load:	200kN	Maximum axial load:	100kN	Maximum test speed:	5000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing																	
Test inner diameter range:	$\phi 40 \sim \phi 80 \text{mm}$																	
Test number:	2/4																	
Maximum radial load:	200kN																	
Maximum axial load:	100kN																	
Maximum test speed:	5000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
5	<b>T60-120F Bearing Testing Machine</b> 	<b>Purpose: the performance and life test of conventional bearing in the inner diameter 60-120mm range are mainly used.</b>																
<table border="0"> <tr> <td>Test type:</td> <td>Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 60 \sim \phi 120 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2/4</td> </tr> <tr> <td>Maximum radial load:</td> <td>300kN</td> </tr> <tr> <td>Maximum axial load:</td> <td>200kN</td> </tr> <tr> <td>Maximum test speed:</td> <td>5000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing	Test inner diameter range:	$\phi 60 \sim \phi 120 \text{mm}$	Test number:	2/4	Maximum radial load:	300kN	Maximum axial load:	200kN	Maximum test speed:	5000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing																	
Test inner diameter range:	$\phi 60 \sim \phi 120 \text{mm}$																	
Test number:	2/4																	
Maximum radial load:	300kN																	
Maximum axial load:	200kN																	
Maximum test speed:	5000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
6	<b>T120-180F Bearing Testing Machine</b> 	<b>Purpose: the performance and life test of conventional bearing in the inner diameter 120-180mm range are mainly used.</b>																
<table border="0"> <tr> <td>Test type:</td> <td>Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing,</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 120 \sim \phi 180 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2/4</td> </tr> <tr> <td>Maximum radial load:</td> <td>500kN</td> </tr> <tr> <td>Maximum axial load:</td> <td>300kN</td> </tr> <tr> <td>Maximum test speed:</td> <td>3000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing,	Test inner diameter range:	$\phi 120 \sim \phi 180 \text{mm}$	Test number:	2/4	Maximum radial load:	500kN	Maximum axial load:	300kN	Maximum test speed:	3000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Deep groove ball, angular contact ball, cylindrical roller, tapered roller bearing,																	
Test inner diameter range:	$\phi 120 \sim \phi 180 \text{mm}$																	
Test number:	2/4																	
Maximum radial load:	500kN																	
Maximum axial load:	300kN																	
Maximum test speed:	3000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
7	<b>T20-60f Spherical Bearing Testing Machine</b> 	<b>Purpose: the performance and life test of Spherical bearing in the inner diameter 20-60mm range are mainly used.</b>																
<table border="0"> <tr> <td>Test type:</td> <td>Spherical bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 20 \sim \phi 60 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2</td> </tr> <tr> <td>Maximum radial load:</td> <td>50kN</td> </tr> <tr> <td>Maximum axial load:</td> <td>/</td> </tr> <tr> <td>Maximum test speed:</td> <td>5000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Spherical bearing	Test inner diameter range:	$\phi 20 \sim \phi 60 \text{mm}$	Test number:	2	Maximum radial load:	50kN	Maximum axial load:	/	Maximum test speed:	5000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Spherical bearing																	
Test inner diameter range:	$\phi 20 \sim \phi 60 \text{mm}$																	
Test number:	2																	
Maximum radial load:	50kN																	
Maximum axial load:	/																	
Maximum test speed:	5000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	

**8** **TSMo10-45n Sealed Bearing Testing Machine of Grease Leakage, Temperature rise and Dustproof** Purpose: the performance test, including grease leakage, Temperature rise and dustproof, of Sealed bearing in the inner diameter 10-45mm range are mainly used.



Test type: Sealed deep groove ball bearing, etc.  
 Test inner diameter range:  $\phi 10 \sim \phi 45 \text{mm}$   
 Test number: 1/2  
 Maximum radial load: 1kN  
 Dust box speed: 50r/min  
 Maximum test speed: 10000r/min  
 Test methods: Manual spring-loaded, automatic computer control, monitoring and recording.  
 Test parameters: Speed, load, temperature, vibration, motor current, etc.

**9** **TSMo5-20N High-speed Sealed Bearing Dustproof Testing Machine** Purpose: the one-sided dustproof performance test of high-speed sealed bearing in the inner diameter of 5-20mm range are mainly used.



Test type: High-speed sealed deep groove ball bearing, etc.  
 Test inner diameter range:  $\phi 5 \sim \phi 20 \text{mm}$   
 Test number: 1  
 Dust box speed: 20~100r/min  
 Maximum test speed: 60000r/min  
 Bearing Lifting speed time: 10~20s  
 Test methods: Automatic computer control, monitoring and recording.  
 Test parameters: Speed, temperature, vibration, motor current, etc.

**10** **TSL10-45n Sealed Bearing Fluid-proof Properties Testing Machine** Purpose: the fluid-proof (water, oil and other liquid medium) performance test of sealed bearing in the inner diameter of 10-45mm range are mainly used.



Test type: Sealed deep groove ball bearing, etc.  
 Test inner diameter range:  $\phi 10 \sim \phi 45 \text{mm}$   
 Test number: 2  
 Maximum radial load: 1kN  
 Medium: Water, oil, mud, etc.  
 Maximum test speed: 10000r/min  
 Test methods: Manual spring-loaded, automatic computer control, monitoring and recording.  
 Test parameters: Speed, load, temperature, vibration, motor current, etc.

**11** **T8-30NT Sealed Bearing High Temperature and High Speed Testing** Purpose: the high temperature and high speed test of sealed bearing in the inner diameter 8-30mm range are mainly used.



Test type: Deep groove, angular contact ball bearing, etc.  
 Test inner diameter range:  $\phi 8 \sim \phi 30 \text{mm}$   
 Test number: 2  
 Maximum load: Radial 5kN, axial 2kN  
 Maximum heating temperature: 300°C  
 Maximum test speed: 60000r/min  
 Test methods: Automatic computer control, monitoring and recording.  
 Test parameters: Speed, load, temperature, vibration, motor current, etc.

**12** **T10-30nT Bearing Grease Testing Machine** Purpose: the high temperature and high speed test (DIN51521 standards) of bearing grease are mainly used.



Test type: Angular contact ball bearing (7206)  
 Test inner diameter: 10~30mm  
 Test number: 5  
 Test load: 1.5/3.0/4.5kN  
 Test speed: 3000/6000/10000 r/min  
 Heating temperature: Room temperature~250°C  
 Test methods: Manual butterfly spring loaded, automatic computer control, monitoring and recording.  
 Test parameters: Speed, load, temperature, vibration, motor current, etc.

**13** **TPB10-20f Ball Bearing (Steel / Ceramic) Contact Fatigue Testing Machine** Purpose: the contact fatigue test of ball bearing material in the inner diameter 8-30mm range are mainly used.



Test type: Ball bearing (steel / ceramic), thrust piece  
 Test ball diameter range:  $\phi 10 \sim \phi 20 \text{mm}$   
 Thrust piece size range:  $\phi 35 \sim \phi 52 \text{mm}$   
 Test number: 1  
 Maximum radial load: 20kN  
 Maximum test speed: 3000r/min  
 Test methods: Automatic computer control, monitoring and recording.  
 Test parameters: Speed, load, temperature, vibration, motor current, etc.

**Two Automotive bearings and parts testing machine series**

**14** **TAUh20-70Tf Automobile Hub Bearing Simulation Testing Machine** Purpose: the dynamic simulation performance and durability test of lightweight hub bearing in the inner diameter 20-70mm range are mainly used.



Test type: Hub bearing  
 Test inner diameter range:  $\phi 20 \sim \phi 70 \text{mm}$   
 Test number: 1  
 Maximum test load: Radial 20kN, axial  $\pm 15 \text{kN}$   
 Maximum test speed: 2000r/min  
 Heating temperature: Room temperature~150°C  
 Test methods: Automatic computer control, monitoring and recording.  
 Test parameters: Speed, load, temperature, vibration, motor current, etc.

15	<b>TAUh50-100Tf Automobile Hub Bearing Simulation Testing Machine</b>	<b>Purpose: the dynamic simulation performance and durability test of heavy hub bearing in the inner diameter 50-100mm range are mainly used.</b>																
 <table border="0" data-bbox="582 235 1348 427"> <tr> <td>Test type:</td> <td>Hub bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 50 \sim \phi 100\text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Maximum test load:</td> <td>Radial 50kN, axial <math>\pm 30\text{kN}</math></td> </tr> <tr> <td>Maximum test speed:</td> <td>1500r/min</td> </tr> <tr> <td>Heating temperature:</td> <td>Room temperature <math>\sim 150^\circ\text{C}</math></td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Hub bearing	Test inner diameter range:	$\phi 50 \sim \phi 100\text{mm}$	Test number:	1	Maximum test load:	Radial 50kN, axial $\pm 30\text{kN}$	Maximum test speed:	1500r/min	Heating temperature:	Room temperature $\sim 150^\circ\text{C}$	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Hub bearing																	
Test inner diameter range:	$\phi 50 \sim \phi 100\text{mm}$																	
Test number:	1																	
Maximum test load:	Radial 50kN, axial $\pm 30\text{kN}$																	
Maximum test speed:	1500r/min																	
Heating temperature:	Room temperature $\sim 150^\circ\text{C}$																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
16	<b>TAUh30-50Tf Automobile Hub Bearing High-temperature Durability Test Machine</b>	<b>Purpose: the performance and durability test in high temperature of hub bearing in the inner diameter 30-50mm range are mainly used.</b>																
 <table border="0" data-bbox="582 504 1348 696"> <tr> <td>Test type:</td> <td>Hub bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 30 \sim \phi 50\text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2</td> </tr> <tr> <td>Maximum test load:</td> <td>Radial 15kN, axial <math>\pm 10\text{kN}</math></td> </tr> <tr> <td>Maximum test speed:</td> <td>2000r/min</td> </tr> <tr> <td>Heating temperature:</td> <td>Room temperature <math>\sim 150^\circ\text{C}</math></td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Hub bearing	Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$	Test number:	2	Maximum test load:	Radial 15kN, axial $\pm 10\text{kN}$	Maximum test speed:	2000r/min	Heating temperature:	Room temperature $\sim 150^\circ\text{C}$	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Hub bearing																	
Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$																	
Test number:	2																	
Maximum test load:	Radial 15kN, axial $\pm 10\text{kN}$																	
Maximum test speed:	2000r/min																	
Heating temperature:	Room temperature $\sim 150^\circ\text{C}$																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
17	<b>TuhMs30-50f Automobile Hub Bearing Mud / Brine Test Machine</b>	<b>Purpose: the performance and durability test in the mud/brine conditions of hub bearing in the inner diameter 30-50mm range are mainly used.</b>																
 <table border="0" data-bbox="582 772 1348 965"> <tr> <td>Test type:</td> <td>Hub bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 30 \sim \phi 50\text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2</td> </tr> <tr> <td>Maximum test load:</td> <td>Radial 15kN, axial <math>\pm 10\text{kN}</math></td> </tr> <tr> <td>Maximum test speed:</td> <td>2000r/min</td> </tr> <tr> <td>Medium:</td> <td>Mud / brine</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Hub bearing	Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$	Test number:	2	Maximum test load:	Radial 15kN, axial $\pm 10\text{kN}$	Maximum test speed:	2000r/min	Medium:	Mud / brine	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Hub bearing																	
Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$																	
Test number:	2																	
Maximum test load:	Radial 15kN, axial $\pm 10\text{kN}$																	
Maximum test speed:	2000r/min																	
Medium:	Mud / brine																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
18	<b>TAUh30-50fP Automobile Hub Bearing Flange Rotary Fatigue Testing Machine</b>	<b>Purpose: the performance and durability test in the mud/brine conditions of hub bearing in the inner diameter 30-50mm range are mainly used.</b>																
 <table border="0" data-bbox="582 1041 1348 1211"> <tr> <td>Test type:</td> <td>Hub bearing and flanges</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 30 \sim \phi 50\text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Combined load:</td> <td><math>\pm 20\text{kN}</math></td> </tr> <tr> <td>Maximum test speed:</td> <td>900r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Hub bearing and flanges	Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$	Test number:	1	Combined load:	$\pm 20\text{kN}$	Maximum test speed:	900r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.		
Test type:	Hub bearing and flanges																	
Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$																	
Test number:	1																	
Combined load:	$\pm 20\text{kN}$																	
Maximum test speed:	900r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
19	<b>TAUh30-50f Automobile Hub Bearing Torque Rigidity and Preload Testing Machine</b>	<b>Purpose: the moment rigidity measurement of hub bearing in the inner diameter 30-50mm range are mainly used. Resonance method is used to test the bearing inner and outer ring resonant frequency and damping coefficient, and analysis the bearing pre-load size.</b>																
 <table border="0" data-bbox="582 1310 1348 1503"> <tr> <td>Test type:</td> <td>Hub bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 30 \sim \phi 50\text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Maximum test load:</td> <td>Radial 15kN, axial 10kN</td> </tr> <tr> <td>Maximum relative inclination:</td> <td><math>2^\circ</math></td> </tr> <tr> <td>Exciting:</td> <td>Frequency 3000Hz, exciting force 15kg, amplitude <math>\pm 5\text{mm}</math></td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Stiffness, angle, load, Resonant frequency, damping coefficient, etc.</td> </tr> </table>			Test type:	Hub bearing	Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$	Test number:	1	Maximum test load:	Radial 15kN, axial 10kN	Maximum relative inclination:	$2^\circ$	Exciting:	Frequency 3000Hz, exciting force 15kg, amplitude $\pm 5\text{mm}$	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Stiffness, angle, load, Resonant frequency, damping coefficient, etc.
Test type:	Hub bearing																	
Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$																	
Test number:	1																	
Maximum test load:	Radial 15kN, axial 10kN																	
Maximum relative inclination:	$2^\circ$																	
Exciting:	Frequency 3000Hz, exciting force 15kg, amplitude $\pm 5\text{mm}$																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Stiffness, angle, load, Resonant frequency, damping coefficient, etc.																	
20	<b>TAUh20-70f Automobile Hub Bearing Friction Torque Testing Machine</b>	<b>Purpose: the static and dynamic friction torque test and comparison test of hub bearing in the inner diameter 20-70mm range are mainly used.</b>																
 <table border="0" data-bbox="582 1579 1348 1771"> <tr> <td>Test type:</td> <td>Hub bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 20 \sim \phi 70\text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Maximum radial load:</td> <td>10kN</td> </tr> <tr> <td>Friction torque:</td> <td>5N.m, 10N.m</td> </tr> <tr> <td>Maximum test speed:</td> <td>2000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, friction torque, etc.</td> </tr> </table>			Test type:	Hub bearing	Test inner diameter range:	$\phi 20 \sim \phi 70\text{mm}$	Test number:	1	Maximum radial load:	10kN	Friction torque:	5N.m, 10N.m	Maximum test speed:	2000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, friction torque, etc.
Test type:	Hub bearing																	
Test inner diameter range:	$\phi 20 \sim \phi 70\text{mm}$																	
Test number:	1																	
Maximum radial load:	10kN																	
Friction torque:	5N.m, 10N.m																	
Maximum test speed:	2000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, friction torque, etc.																	
21	<b>TAC30—50nT Automobile Clutch Release Bearing Simulation Testing Machine</b>	<b>Purpose: the performance and working life test of clutch release bearing in the inner diameter 30-50mm range are mainly used.</b>																
 <table border="0" data-bbox="582 1859 1348 2045"> <tr> <td>Test type:</td> <td>Clutch Release Bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 30 \sim \phi 50\text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Clutch frequency:</td> <td>2Hz</td> </tr> <tr> <td>Maximum axial load:</td> <td>1kN</td> </tr> <tr> <td>Maximum test speed:</td> <td>10000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, noise, Clutch times, motor current, etc.</td> </tr> </table>			Test type:	Clutch Release Bearing	Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$	Test number:	1	Clutch frequency:	2Hz	Maximum axial load:	1kN	Maximum test speed:	10000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, noise, Clutch times, motor current, etc.
Test type:	Clutch Release Bearing																	
Test inner diameter range:	$\phi 30 \sim \phi 50\text{mm}$																	
Test number:	1																	
Clutch frequency:	2Hz																	
Maximum axial load:	1kN																	
Maximum test speed:	10000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, noise, Clutch times, motor current, etc.																	

22	<b>TOX20-60f Testing Machine of Automobile Suspension Support Bearing and Components</b>	<b>Purpose: the performance and working life test of support bearing and its components in the inner diameter 20-60mm range are mainly used, with a high temperature tank and mud module.</b>																
 <table border="0" data-bbox="582 224 1348 414"> <tr> <td>Test type:</td> <td>Support bearing and its components</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 20 \sim \phi 60 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Maximum test load:</td> <td>Radial 10kN, axial 35kN</td> </tr> <tr> <td>Swing range:</td> <td><math>\pm 45^\circ</math></td> </tr> <tr> <td>Test speed:</td> <td>30~120r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, torque, current, cycles, etc.</td> </tr> </table>			Test type:	Support bearing and its components	Test inner diameter range:	$\phi 20 \sim \phi 60 \text{mm}$	Test number:	1	Maximum test load:	Radial 10kN, axial 35kN	Swing range:	$\pm 45^\circ$	Test speed:	30~120r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, torque, current, cycles, etc.
Test type:	Support bearing and its components																	
Test inner diameter range:	$\phi 20 \sim \phi 60 \text{mm}$																	
Test number:	1																	
Maximum test load:	Radial 10kN, axial 35kN																	
Swing range:	$\pm 45^\circ$																	
Test speed:	30~120r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, torque, current, cycles, etc.																	
23	<b>TA10-30nT Automobile Water Pump Bearing Testing Machine</b>	<b>Purpose: the performance and life test of water pump bearing in the inner diameter 10-30mm range are mainly used.</b>																
 <table border="0" data-bbox="582 481 1348 672"> <tr> <td>Test type:</td> <td>Water pump bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 10 \sim \phi 30 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2</td> </tr> <tr> <td>Maximum radial load:</td> <td>8kN</td> </tr> <tr> <td>Heating temperature:</td> <td>Room temperature~100℃</td> </tr> <tr> <td>Maximum test speed:</td> <td>15000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Water pump bearing	Test inner diameter range:	$\phi 10 \sim \phi 30 \text{mm}$	Test number:	2	Maximum radial load:	8kN	Heating temperature:	Room temperature~100℃	Maximum test speed:	15000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Water pump bearing																	
Test inner diameter range:	$\phi 10 \sim \phi 30 \text{mm}$																	
Test number:	2																	
Maximum radial load:	8kN																	
Heating temperature:	Room temperature~100℃																	
Maximum test speed:	15000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
24	<b>TA8-30NT Automobile Generator Bearing Testing Machine</b>	<b>Purpose: the performance and life test of generator bearing in the inner diameter 8-30mm range are mainly used.</b>																
 <table border="0" data-bbox="582 739 1348 918"> <tr> <td>Test type:</td> <td>Deep groove ball bearing, etc</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 8 \sim \phi 30 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2</td> </tr> <tr> <td>Maximum test load:</td> <td>Radial 5kN, axial 3kN</td> </tr> <tr> <td>Heating temperature:</td> <td>Room temperature~200℃</td> </tr> <tr> <td>Maximum test speed:</td> <td>36000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Deep groove ball bearing, etc	Test inner diameter range:	$\phi 8 \sim \phi 30 \text{mm}$	Test number:	2	Maximum test load:	Radial 5kN, axial 3kN	Heating temperature:	Room temperature~200℃	Maximum test speed:	36000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Deep groove ball bearing, etc																	
Test inner diameter range:	$\phi 8 \sim \phi 30 \text{mm}$																	
Test number:	2																	
Maximum test load:	Radial 5kN, axial 3kN																	
Heating temperature:	Room temperature~200℃																	
Maximum test speed:	36000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	
25	<b>TA10-100 Automobile Hub Unit ABS Wheel Speed Sensor Testing Machine</b>	<b>Purpose: the performance test of ABS wheel speed sensor of Wheel hub unit in the inner diameter 10-100mm range are mainly used.</b>																
 <table border="0" data-bbox="582 1008 1348 1220"> <tr> <td>Test type:</td> <td>ABS wheel speed sensor</td> </tr> <tr> <td>Test inner diameter:</td> <td><math>\phi 10 \sim \phi 100 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Maximum test speed:</td> <td>3000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Active test parameters:</td> <td>Speed, current, number of teeth, open current and stator current value, duty cycle, etc.</td> </tr> <tr> <td>Passive test parameters:</td> <td>Speed, current, number of teeth, the output voltage peak, valid value, resistors, etc.</td> </tr> </table>			Test type:	ABS wheel speed sensor	Test inner diameter:	$\phi 10 \sim \phi 100 \text{mm}$	Test number:	1	Maximum test speed:	3000r/min	Test methods:	Automatic computer control, monitoring and recording.	Active test parameters:	Speed, current, number of teeth, open current and stator current value, duty cycle, etc.	Passive test parameters:	Speed, current, number of teeth, the output voltage peak, valid value, resistors, etc.		
Test type:	ABS wheel speed sensor																	
Test inner diameter:	$\phi 10 \sim \phi 100 \text{mm}$																	
Test number:	1																	
Maximum test speed:	3000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Active test parameters:	Speed, current, number of teeth, open current and stator current value, duty cycle, etc.																	
Passive test parameters:	Speed, current, number of teeth, the output voltage peak, valid value, resistors, etc.																	
26	<b>TA10-100 Automobile Hub Unit ABS Sensor Dynamic Testing Machine</b>	<b>Purpose: the dynamic simulation performance test of ABS wheel speed sensor of wheel hub unit in the inner diameter 10-100mm range are mainly used.</b>																
 <table border="0" data-bbox="582 1310 1348 1456"> <tr> <td>Test type:</td> <td>ABS wheel speed sensor</td> </tr> <tr> <td>Test inner diameter:</td> <td><math>\phi 10 \sim \phi 100 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2</td> </tr> <tr> <td>Maximum test speed:</td> <td>3000r/min</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, current, output voltage signal and the waveform, etc.</td> </tr> </table>			Test type:	ABS wheel speed sensor	Test inner diameter:	$\phi 10 \sim \phi 100 \text{mm}$	Test number:	2	Maximum test speed:	3000r/min	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, current, output voltage signal and the waveform, etc.				
Test type:	ABS wheel speed sensor																	
Test inner diameter:	$\phi 10 \sim \phi 100 \text{mm}$																	
Test number:	2																	
Maximum test speed:	3000r/min																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, current, output voltage signal and the waveform, etc.																	
27	<b>TAW500-1500 High Speed Shaft Abrasion Test Rig</b>	<b>Purpose: the abrasion performance and life test of transmission shaft within the diameter 1.5m range are mainly used.</b>																
 <table border="0" data-bbox="582 1534 1348 1691"> <tr> <td>Test type:</td> <td>Automobile transmission shaft</td> </tr> <tr> <td>Test pieces Length:</td> <td>0.5~1.5m</td> </tr> <tr> <td>Test number:</td> <td>1</td> </tr> <tr> <td>Maximum test speed:</td> <td>7000r/min</td> </tr> <tr> <td>Maximum test torque:</td> <td>2000N.m</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Temperature, speed, torque, current, etc.</td> </tr> </table>			Test type:	Automobile transmission shaft	Test pieces Length:	0.5~1.5m	Test number:	1	Maximum test speed:	7000r/min	Maximum test torque:	2000N.m	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Temperature, speed, torque, current, etc.		
Test type:	Automobile transmission shaft																	
Test pieces Length:	0.5~1.5m																	
Test number:	1																	
Maximum test speed:	7000r/min																	
Maximum test torque:	2000N.m																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Temperature, speed, torque, current, etc.																	
<h3>Three Rail transit bearing test machine series</h3>																		
28	<b>TRa80-200F Railway Wheel Axle Box Bearing Testing Machine</b>	<b>Purpose: the performance, thermal and endurance test for the locomotive vehicles wheel of class of high speed railway, the subway rail transit to railway axle box bearing in the inner diameter 80-200mm range Can be used.</b>																
 <table border="0" data-bbox="582 1848 1348 2027"> <tr> <td>Test type:</td> <td>Railway axle box bearing</td> </tr> <tr> <td>Test inner diameter range:</td> <td><math>\phi 80 \sim \phi 200 \text{mm}</math></td> </tr> <tr> <td>Test number:</td> <td>2</td> </tr> <tr> <td>Maximum test load:</td> <td>Radial 250kN, axial <math>\pm 200 \text{kN}</math></td> </tr> <tr> <td>Maximum test speed:</td> <td>3800r/min (550km/h)</td> </tr> <tr> <td>Analog wind speed:</td> <td>0~180km/h (50m/s)</td> </tr> <tr> <td>Test methods:</td> <td>Automatic computer control, monitoring and recording.</td> </tr> <tr> <td>Test parameters:</td> <td>Speed, load, temperature, vibration, motor current, etc.</td> </tr> </table>			Test type:	Railway axle box bearing	Test inner diameter range:	$\phi 80 \sim \phi 200 \text{mm}$	Test number:	2	Maximum test load:	Radial 250kN, axial $\pm 200 \text{kN}$	Maximum test speed:	3800r/min (550km/h)	Analog wind speed:	0~180km/h (50m/s)	Test methods:	Automatic computer control, monitoring and recording.	Test parameters:	Speed, load, temperature, vibration, motor current, etc.
Test type:	Railway axle box bearing																	
Test inner diameter range:	$\phi 80 \sim \phi 200 \text{mm}$																	
Test number:	2																	
Maximum test load:	Radial 250kN, axial $\pm 200 \text{kN}$																	
Maximum test speed:	3800r/min (550km/h)																	
Analog wind speed:	0~180km/h (50m/s)																	
Test methods:	Automatic computer control, monitoring and recording.																	
Test parameters:	Speed, load, temperature, vibration, motor current, etc.																	

<b>29</b>	<b>TRa50-160tF Locomotive Traction Motor Bearing Testing Machine</b>	<b>Purpose: the performance test, thermal test, high and low temperature environment simulation tests and durability test for locomotive traction motor bearing of class of high speed railway, the subway rail transit in the inner diameter 50-160mm range can be used.</b>
-----------	--	---



Test type:	Traction motor bearing
Test inner diameter range:	$\phi 50 \sim \phi 160\text{mm}$
Test number:	1
Maximum test load:	Gear radial 300kN, rotor radial 100kN, axial 70kN
Maximum test speed:	10000r/min
Analog wind speed and temperature:	0~180km/h (50m/s) , -50℃~+50℃
Test methods:	Automatic computer control, monitoring and recording.
Test parameters:	Speed, load, temperature, vibration, motor current, etc.

<b>30</b>	<b>TRa100-200F Railway Locomotive Holding Axle Box Bearing Testing Machine</b>	<b>Purpose: the performance and endurance test for holding the axle box bearing of class of high speed railway, the subway rail transit in the inner diameter 100-200mm range can be used.</b>
-----------	--	--



Test type:	Holding the axle box bearing
Test inner diameter range:	$\phi 50 \sim \phi 160\text{mm}$
Test number:	2
Maximum test load:	Radial 260kN, axial 100kN
Maximum test speed:	1500r/min
Analog wind speed:	0~30km/h
Test methods:	Automatic computer control, monitoring and recording.
Test parameters:	Speed, load, temperature, vibration, motor current, etc.

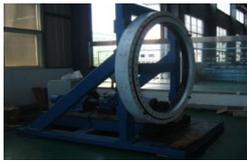
<b>Four</b>	<b>Wind power bearing testing machine series</b>
-------------	--

<b>31</b>	<b>TWp 1500-3000F Wind Turbine Yaw and Pitch Wheel Bearing Dynamic Simulation Testing Machine</b>	<b>Purpose: the dynamic simulation test of wind turbine yaw and pitch wheel bearing in the inner diameter 100-200mm range are mainly used.</b>
-----------	---	--



Test type:	Wind Turbine yaw and pitch wheel bearing
Test inner diameter range:	$\phi 1500 \sim \phi 3000\text{mm}$
Test number:	1
Maximum radial load:	Spindle end 2000 kN, auxiliary shaft end 1000 kN
Maximum axial load:	1000kN
Maximum test speed:	1r/min
Test methods:	Automatic computer control, monitoring and recording.
Test parameters:	Speed, load, temperature, vibration, torque, motor current, etc.

<b>32</b>	<b>TWp1000-3000F Wind Turbine Yaw and Pitch Wheel Bearing Friction Torque Testing Machine</b>	<b>Purpose: the starting and dynamic friction torque test of wind turbine yaw and pitch wheel bearing in the inner diameter 1000-3000mm range are mainly used.</b>
-----------	---	--



Test type:	Wind Turbine yaw and pitch wheel bearing
Test inner diameter range:	$\phi 1000 \sim \phi 3000\text{mm}$
Test number:	1
Maximum test speed:	1r/min
Friction torque range:	1000N.m×Drive ratio
Test methods:	Automatic computer control, monitoring and recording.
Test parameters:	Speed, load, temperature, vibration, torque, motor current, etc.

<b>33</b>	<b>TWp500-800F Megawatt Wind Turbine Gearbox Bearing Testing Machine</b>	<b>Purpose: the performance and durability test of megawatt wind turbine gearbox bearing in the inner diameter 1000-3000mm range are mainly used.</b>
-----------	--	---



Test type:	Wind turbine gearbox bearing
Test inner diameter range:	$\phi 500 \sim \phi 800\text{mm}$
Test number:	2/4
Maximum radial load:	1200kN
Maximum axial load:	200kN
Maximum test speed:	100r/min
Test methods:	Automatic computer control, monitoring and recording.
Test parameters:	Speed, load, temperature, vibration, motor current, etc.

<b>Five</b>	<b>Aerospace bearing test machine series</b>
-------------	--

<b>34</b>	<b>TDR75-210nTf (ZYS-102) Aeroengine Between Shafts Bearing Double Ferrule Rotation Test Machine</b>	<b>Purpose: the life and performance test of aeroengine between shafts bearing in the inner diameter 75-210mm range are mainly used, test bearing inner and outer rings rotate simultaneously, it can also be used for general aviation engine shaft bearing test.</b>
-----------	--	--



Test type:	Between shafts bearing
Test inner diameter range:	$\phi 75 \sim \phi 180\text{mm}$
Test number:	1
Maximum radial load:	30kN
Oil temperature:	Room temperature~200℃
Maximum test speed:	18000r/min
Test methods:	Automatic computer control, monitoring and recording.
Test parameters:	Speed, load, temperature, vibration, motor current, etc.

35	<b>TAvAs40-80NT (ZYS-103) Aerospace Bearing Testing Machine</b>	<p><b>Purpose:</b> the speeding, overloading, light load slip, oil-break performance and durability test of medium-sized high-speed aviation and aerospace bearing in the inner diameter 40-80mm range are mainly used.</p>
	<p>Test type: Aviation, aerospace bearing  Test inner diameter range: <math>\phi 40 \sim \phi 100\text{mm}</math>  Test number: 1/2  Test load: Radial 20kN, axial 10kN  Oil temperature: Room temperature <math>\sim 200^\circ\text{C}</math>  Maximum test speed: 36000r/min  Test methods: Automatic computer control, monitoring and recording.  Test parameters: Speed, load, temperature, vibration, motor current, etc.</p>	
36	<b>TAvAs8-50NT (ZYS-103A) Aviation and Aerospace Bearing Testing Machine</b>	<p><b>Purpose:</b> the testing machine adopts the main structure of simply supported beam. Performance and durability testing of small-sized high-speed aviation and aerospace bearing in the inner diameter 8-50mm range are mainly used.</p>
	<p>Test type: Aviation, aerospace bearing  Test inner diameter range: <math>\phi 8 \sim \phi 50\text{mm}</math>  Test number: 1/2  Test load: Radial 10kN, axial 10kN  Oil temperature: Room temperature <math>\sim 200^\circ\text{C}</math>  Maximum test speed: 60000r/min  Test methods: Automatic computer control, monitoring and recording.  Test parameters: Speed, load, temperature, vibration, motor current, etc.</p>	
37	<b>TAvE70-180nTf (ZYS-104) Aeroengine Spindle Bearing Testing Machine</b>	<p><b>Purpose:</b> the testing machine can adopt the main structure of simply supported beam or cantilever. Performance and durability test of medium and large aeroengine spindle bearing in the inner diameter</p>
	<p>Test type: Aeroengine spindle bearing  Test inner diameter range: <math>\phi 70 \sim \phi 180\text{mm}</math>  Test number: 1/2  Test load: Radial 100kN, axial 50kN  Oil temperature: Room temperature <math>\sim 200^\circ\text{C}</math>  Maximum test speed: 20000r/min  Test methods: Automatic computer control, monitoring and recording.  Test parameters: Speed, load, temperature, vibration, motor current, etc.</p>	
38	<b>TAvE50-180nTf Aeroengine Shaft Bearing Testing Machine</b>	<p><b>Purpose:</b> the testing machine adopts the biaxial main structure, and it can accomplish simultaneously performance and durability test of 5 sets of engine high and low pressure rotor bearing.</p>
	<p>Test type: Aeroengine Shaft Bearing  Test inner diameter range: <math>\phi 50 \sim \phi 180\text{mm}</math>  Test number: 5  Test load: Radial 100kN, axial 50kN  Oil temperature: Room temperature <math>\sim 200^\circ\text{C}</math>  Maximum test speed: 18000r/min  Test methods: Automatic computer control, monitoring and recording.  Test parameters: Speed, load, temperature, vibration, motor current, etc.</p>	
39	<b>TAvE80-200nTf Aviation Shaft Bearing Testing Machine for Fault Simulation and Analysis</b>	<p><b>Purpose:</b> the testing machine is with complete turbine bearing and the outer casing of aviation engine main bearing test system, and it can accomplish accelerated life test, pre-failure test and performance test and durability test.</p>
	<p>Test type: Aeroengine bearing and casing  Test inner diameter range: <math>\phi 80 \sim \phi 200\text{mm}</math>  Test number: 1  Test load: Radial 20kN  Oil temperature: Room temperature <math>\sim 200^\circ\text{C}</math>  Maximum test speed: 18000r/min  Test methods: Automatic computer control, monitoring and recording.  Test parameters: Speed, load, temperature, vibration, motor current, etc.</p>	
40	<b>TAVK50-120nTf Aviation Bearing Cage Dynamic Performance Testing</b>	<p><b>Purpose:</b> in a variety of conditions such as high temperature, high-speed, heavy or light load, dynamic performance test of aviation bearing cage in the inner diameter 50-120mm range are mainly used.</p>
	<p>Test type: Aerospace bearing  Test inner diameter range: <math>\phi 50 \sim \phi 120\text{mm}</math>  Test number: 1  Test load: Radial 20kN, axial 10kN  Oil temperature: Room temperature <math>\sim 100^\circ\text{C}</math>  Maximum test speed: 12000r/min  Test methods: Automatic computer control, monitoring and recording.  Test parameters: Speed, load, temperature, vibration, current host, cage tilt angle, displacement</p>	
41	<b>TAvAsG8-30nTf Aviation and Aerospace Grease Lubricated Bearing Test Machine for High Temperature and High Speed</b>	<p><b>Purpose:</b> in the condition of high temperature and high speed, performance and durability test of small aerospace grease lubricated bearing in the inner diameter 8-30mm range are mainly used.</p>
	<p>Test type: Aerospace grease lubricated bearing  Test inner diameter range: <math>\phi 8 \sim \phi 30\text{mm}</math>  Test number: 2  Test load: Radial 10kN, axial 2kN  Heating temperature: Room temperature <math>\sim 300^\circ\text{C}</math>  Maximum test speed: 60000r/min  Test methods: Automatic computer control, monitoring and recording.  Test parameters: Speed, load, temperature, vibration, motor current, etc.</p>	

42	<b>TAvAs8-30Nft Aviation and Aerospace Bearing Testing Machine for Low Temperature and High Speed</b>	<b>Purpose: at low temperatures, high-speed start-up performance and durability test of aviation and aerospace bearing in the inner diameter 8-30mm range are mainly used.</b>
	Test type: Aviation, aerospace bearing Test inner diameter range: $\phi 8 \sim \phi 30 \text{mm}$ Test number: 2 Test load: Radial 5kN, axial 5kN Ambient temperature: Room temperature $\sim -50^\circ\text{C}$ Maximum test speed: 60000r/min Test methods: Automatic computer control, monitoring and recording. Test parameters: Speed, load, temperature, vibration, motor current, etc.	
43	<b>TAs2-7NT Aerospace Miniature Bearing Ultra-high Speed Testing Machine</b>	<b>Purpose: the performance and durability test of aerospace miniature bearing in the inner diameter 2-7mm range are mainly used.</b>
	Test type: Aerospace miniature bearing Test inner diameter range: $\phi 2 \sim \phi 7 \text{mm}$ Test number: 1 Test load: Radial 50N, axial 50N Heating temperature: Room temperature $\sim 100^\circ\text{C}$ Maximum test speed: 120000r/min Test methods: Automatic computer control, monitoring and recording. Test parameters: Speed, load, temperature, vibration, motor current, etc.	
44	<b>TAsA8-25N Aerospace Gyroscope Gas Dynamic Pressure Bearing Testing Machine</b>	<b>Purpose: the performance test of aerospace gyroscope gas dynamic pressure bearing in the test bearing spherical diameter 8-25mm range are mainly used.</b>
	Test type: Aerospace gas dynamic pressure bearing Spherical diameter range: $\phi 8 \sim \phi 25 \text{mm}$ Test number: 1 Test load: Axial 25N Displacement measurement error: $\leq 0.0001 \text{mm}$ Maximum test speed: $\pm 40000 \text{r/min}$ Test methods: Automatic computer control, monitoring and recording. Test parameters: Speed, load, temperature, vibration, motor current, etc.	
45	<b>TASV30-80 Vacuum Simulation Test Bench for Aerospace Meteorological Satellite Scanning Mechanism Bearing</b>	<b>Purpose: in a vacuum environment, performance and durability test of aerospace meteorological satellite scanning mechanism bearing in the inner diameter 30-80mm range are mainly used.</b>
	Test type: Angular contact, deep groove ball bearing Spherical diameter range: $\phi 30 \sim \phi 80 \text{mm}$ Test number: 16 Test load: Axial preload 0~500N Motion conditions: Rotation 300r/min, swing $0.1^\circ/\text{s} \sim 20^\circ/\text{s}$ , swing angle $-20^\circ \sim +20^\circ$ Environmental conditions: Vacuum degree $1 \times 10^{-4} \text{Pa}$ , temperature at room temperature $\sim 50^\circ\text{C}$ Friction torque test: Range $\leq 0.5 \text{N.m}$ , sensitivity $\leq 0.005 \text{N.m}$ Test methods: Automatic computer control, monitoring and recording. Test parameters: Speed, swing speed, friction torque, load, motor current, temperature, etc.	
46	<b>TAsMs10-20NP Aerospace Aqueous Medium Bearing Testing Machine</b>	<b>Purpose: the simulation test of aqueous medium bearing in the inner diameter 10-20mm range in the aquatic environment (instead of analog liquid hydrogen, liquid oxygen environment) are mainly used. The test is in accordance with the load spectrum, velocity spectrum.</b>
	Test type: Aerospace bearing Test diameter range: $\phi 10 \sim \phi 20 \text{mm}$ Test number: 2 Test load: Axial 1.5kN, radial 3kN Feed water pressure: $\leq 2 \text{MPa}$ Maximum test speed: 65000r/min Test methods: Automatic computer control, monitoring and recording. Test parameters: Speed, load, temperature, vibration, Water pressure, motor current, etc.	
47	<b>TAsNm8-30N Aerospace Guidance Systems Non-magnetic Bearing Testing Machine</b>	<b>Purpose: the performance and durability test of aerospace guidance systems non-magnetic bearing in the inner diameter 8-30mm range are mainly used.</b>
	Test type: Aerospace bearing Test diameter range: $\phi 8 \sim \phi 30 \text{mm}$ Test number: 2 Test load: Axial 1kN, radial 1kN Maximum test speed: 36000r/min Test methods: Spring Loaded, automatic computer control, monitoring and recording. Test parameters: Speed, load, temperature, vibration, motor current, etc.	