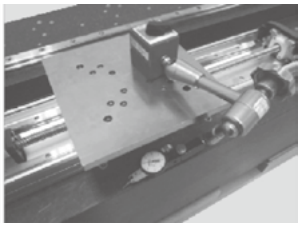
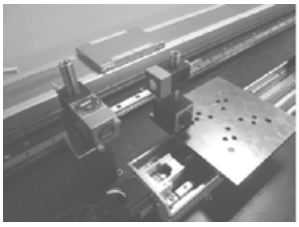
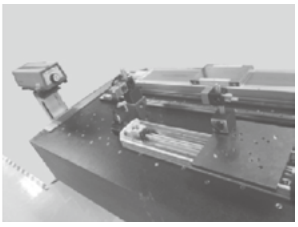
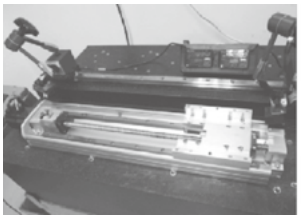
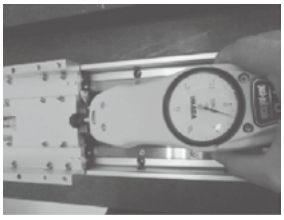
Measuring tools

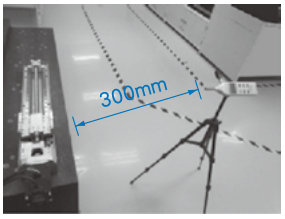
<table>
<tr><td rowspan="5">






</td><td>1. Parallelism testing / Height testing</td></tr>
<tr><td>Measuring tools: Dial gauge and Dial indicator</td></tr>
<tr><td>Measuring methods:
1. Fix the actuator on granite.
2. Fix the measuring tools on the actuator’s slider.
3. As photo display.
4. Record it as a reference.</td></tr>
<tr><td>2. Absolute straightness accuracy testing</td></tr>
<tr><td>Measuring tools: Laser interferometer detection
Measuring methods:
1. Fix the actuator on granite.
2. Fix the measuring tools on the actuator’s slider.
3. As photo display.
4. Print the test report as a recorder.</td></tr>
<tr><td>3. Absolute straightness accuracy testing</td></tr>
<tr><td>Measuring tools: Laser position detection
Measuring methods:
1. Fix the actuator on granite.
2. Use laser to align the slider’s slide to the repeatability accuracy.
3. As photo display.
4. Record it as a reference.</td></tr>
<tr><td>4. Power drive situation testing by motor electric current</td></tr>
<tr><td>Measuring tools: Mitsubishi servo driver 100W, 200W, 400W
Measuring methods:
1. Fix the actuator on granite.
2. Fix the measuring tools on the actuator’s slider.
3. As photo display.
4. Record it as a reference.</td></tr>
<tr><td>5. Smoothness testing</td></tr>
<tr><td>Measuring tools: Pull tension gauge
Measuring methods:
1. Fix the actuator on granite.
2. Push the slider using pull tension gauge.
3. As photo display.
4. Record it as a reference.</td></tr>
</table>

Measuring tools

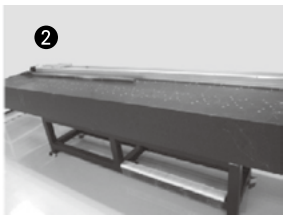


6.Belt tension testing	
Measuring tools	Pull tension gauge
Measuring methods	1. Fix the actuator on granite. 2. Use belt tension gauge to test the vibration of the belt. 3. As photo display. 4. Record it on shipping testing.



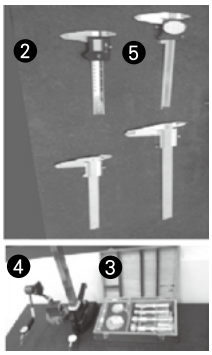
7.Decibel testing	
Measuring tools	Decibel meter
Measuring methods	1. Fix the actuator on granite. 2. Decibel meter put at the distance of 300mm. 3. Use motor to drive actuator in high speed. 4. As photo display. 5. Record it on shipping testing report.





8.Measuring tool- Granite platform	
Granite specifications	1. Size 1295mm*600mm*140mm 2. Size 4020mm*800mm*300mm





9.Material tools	
Measuring tools	1. 3D Inspection testing machine. 2. Electronic vernier caliper, vernier caliper. 3. Inside micrometer, outside micrometer. 4. Altimeter, vertical meter. 5. Electronic level meter. 6. Dial gauge, Dial indicator. 7. Steel tape, Steel ruler.
Measuring tools calibration standards	Block gauge, ring gauge (regularly qualified) QC Room 1. Control temperature and humidity to keep the stability of the measurement. 2. Measuring tools calibrate regularly.