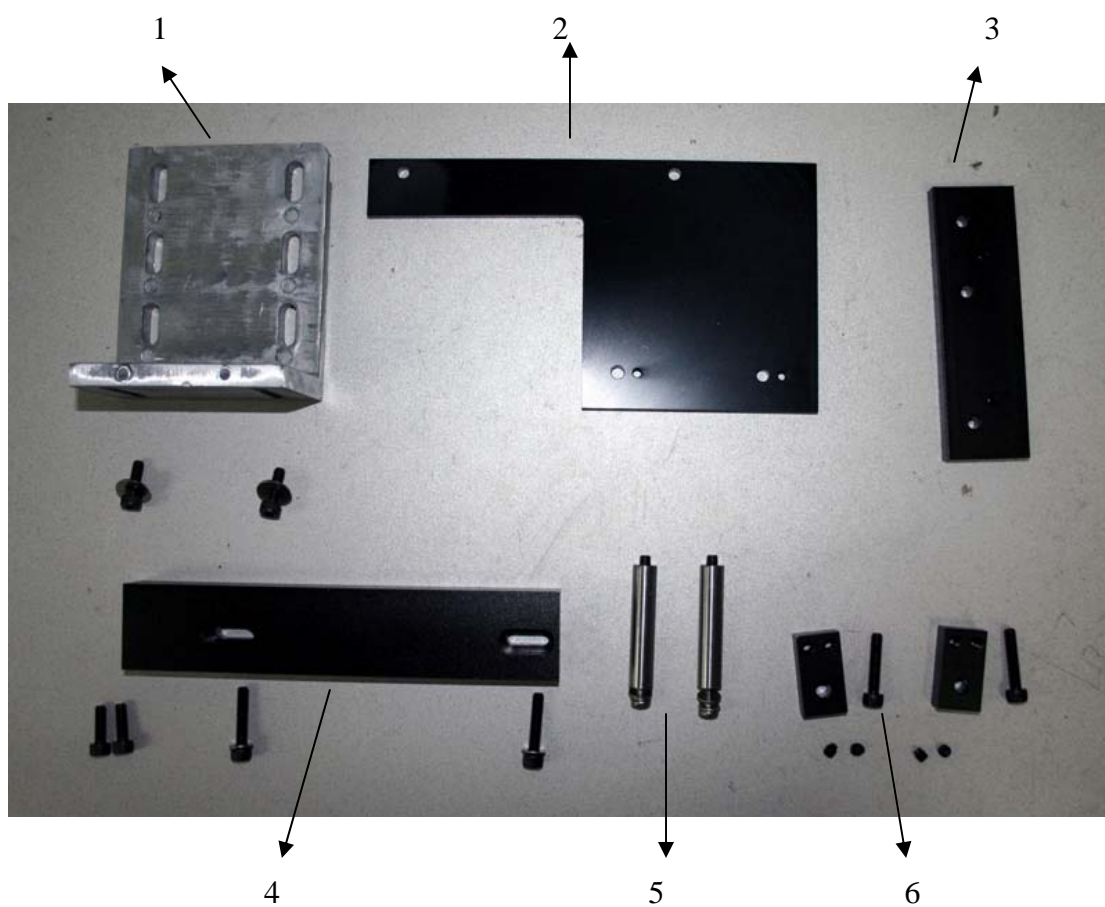


Installation Instruction Seig X3 Super DRO kits

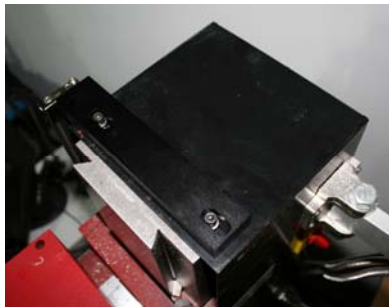


Parts Description



1. The L bracket for you to install the Z Axis DRO sensor
2. The Connect plate for the Y axis
3. The Z axis adapter plate, you can direct unscrew the X3 super and attached this plate and secure it, then you can attached the No.1 Parts, it will allow the parts move slightly in one plane all direction, which allow you to connect and align the DRO to parallel to the Z axis.
4. This parts secure on top of the X3 machine, unscrew the 2 hex nut that secure the back cover, and install this parts with the screw at the original thread hole, This will also allow you move the part slight in position so you can adjust the DRO parallel to the DRO.
5. This is the Extended shaft, you need to measure and drill 2 hole on the Y axis and tape it with the M4, then screw in this 2 parts and install the No.2 parts. The No2 parts then mount with the Y axis DRO sensor.
6. This 2 set of the mount support is for you to mount the Y Axis, it allow you the adjust the set screw before you secure the Y hex screw, so it parallel with the NO.5 plate, and allow the DRO sensor run parallel with the Scale.
7. You will need to drill and tap few holes in order to intall this DRO kits, it won't be hard to do but take some time and careful skill to make this nice installation, most of the difficult is done by the custom parts and design of this kits. One has typical metal drill/tap skill will complete this installation in few hour with professional result.

Please take a good look of below picture for the installation location.



Top Z plate mount



recommend DRO location



You will need to 2 x drill and tap M5 hole so you can mount the X axis DRO on the mill table.
And another 2 x drill and tap M5 hole so you can mount the sensor on below deck, the thin metal and screws included in the DRO package will allow you to align the sensor so it can parallel with the DRO unit.



This is the view of the Y axis installation, to install the round extended shaft, you will need to drill 2 M4 tap hole, so you can screw in the extender, then install the special L shape plate (the plate will have screw hole that allow you to secure to the y Axis DRO sensor). The small pillow block with set screw will allow you to fine adjust the DRO parallel with the Y axis. Then you will need to drill 2x drill and tap M5 hole on the base, so you can secure the y Axis DRO.



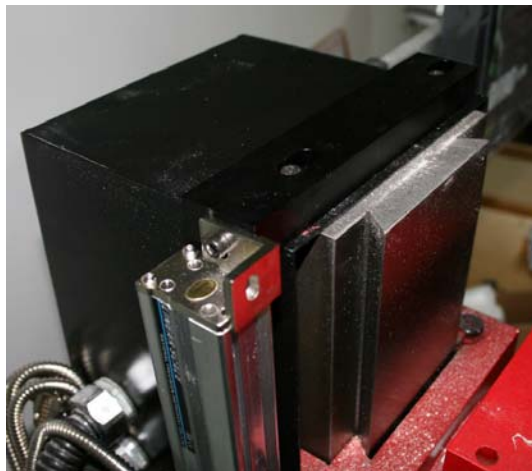
The small black aluminum plate allow you to install to the Z axis mill head just by unscrew the machine screw, so the large L aluminum bracket can mount on top



The complete view of the Z axis, secure the Sensor to the large L bracket.



Drill and tap a M5 hole here so you can secure the Z DRO.



The top Z plate allow you to adjust the Z DRO parallel to the Z axis.

Please make sure when you install the DRO, you need to make sure when the sensor move from end to end, it shouldn't had any hard pressure press to the DRO due to the misalignment (such as if the DRO mount with large angle error when you move the secure sensor, it will press and wear the DRO rail or error reading), all movement must be smooth and parallel to the axis movement.

There is 3 cover that customer can optional install to cover the machine, its relative simple that just need to use 2 screw to secure it on the machine.