Flash Setter

Nissin

Fast, easy and precision axis setter

The most accurate axis setter in the market today.

The Pioneer Flash Setter is a fast, easy-to-use axis setter with extremely high accuracy. It can be used vertically or horizontally on vertical/horizontal machining centers and on lathes.

Repeatable within ±0.001mm

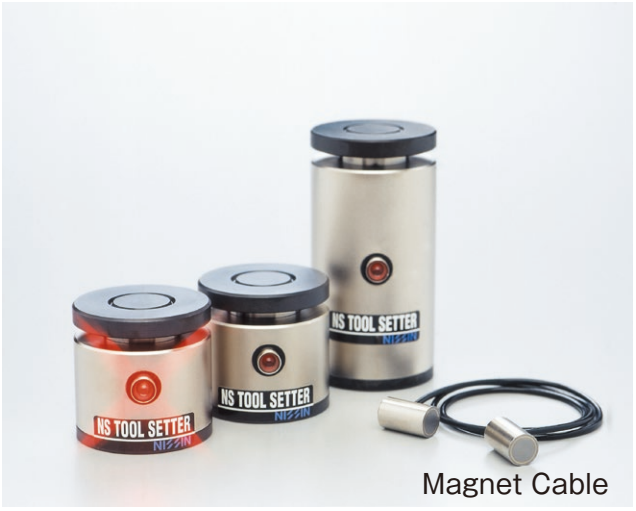
Pioneer Flash Setter permits setting of tool length or reference point of work piece to the max. tolerance of ±0.001mm. It surpasses other height setter's performances.

Sub-zero temperature treated Gage Block precision.

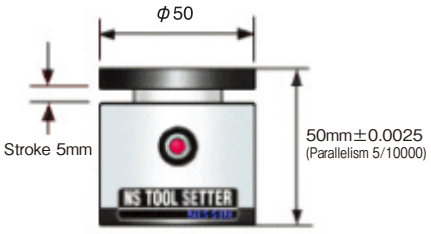
The casing body of Pioneer Flash Setter is special alloy steel and manufactured as a gage block is. The casing body is sub-zero treated at minus(-)90℃ to insure the precision is not compromised through aging. It is ultra-precision ground to ±0.001mm for the height and 0.002mm for parallelism. No other height setter comes close.

Advanced conductive detection system

- Instant LED light
- Unaffected by cutting oil.
- Works with ferrous and non-ferrous metal.
- Optional magnet cable enables Pioneer Flash Setter to work on plastics, wood and other non-ferrous materials.
- Approx. one year battery life, subject to the condition of use.



Magnet Cable



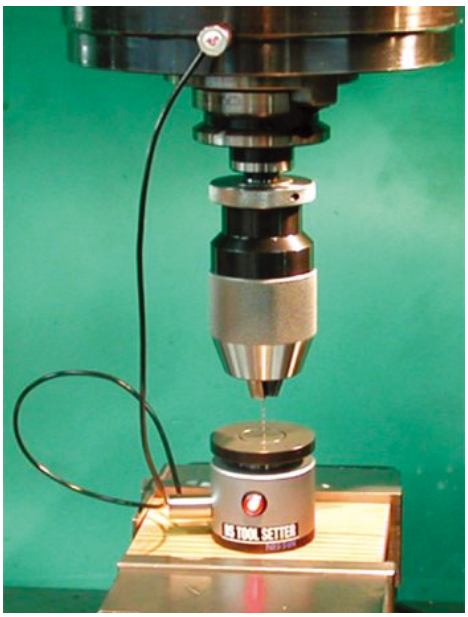
Code Number	Dimensions	Stroke	Battery	Magnet base
FS-S50	50φ×50mm±0.001mm	5mm	Lithium 1pc	No
FS-M50	50φ×50mm±0.001mm	5mm		Yes
FS-S100	50φ×100mm±0.001mm	5mm		No

Magnet Cable for non-ferrous material

Optional magnet cable enables axis setting on non-ferrous materials like plastic, ceramic, graphite, wood, etc.

Note: Magnet cable is not included in standard Flash Setter.

Please order separately by order No. FS-MC50



Example of use

1. Lower the spindle by manual handle in 0.1mm setting until LED flashes, indicating the contact.
2. Switch over the manual pulse generator to 0.01mm range and back up the spindle to the point where LED goes off.
3. Select 0.001mm range on the manual pulse generator and bring down the Z-axis to the Flash Setter until LED lights up again. This points is precisely 50mm(100mm)±0.001mm.
4. Reset your Z-axis value on the control panel to match.