MIRACLE
MACHINE WORKS

Variable Gantry Mount

Four years ago after making our prototypes, we decided to see if they really worked. We thought long range competition would be the proper test. We're two "old men" around 60 years old, with all the normal signs of age, who have never shot in any long range competitions. Using the mount, we started competing. For each competition, we started with ballistic computer MOA numbers and made the necessary adjustments after shooting the first match. Afterwards, we wrote down those numbers for reference. Those numbers were set for competition without needing to re-zero the rifle. We were able to accomplish this all without having to change the scope or the zero pin.

Here are some of our scores from our efforts. We sold our first production run to competitors and their friends.

Competition 1

5 rounds each; 30-50 shooters per match
600, 800, 900, 1000 yards

Placing
2nd – 1
3rd – 5
4th – 5
5th – 6

Competition 2

20 – 30 shooters per match
300, 380, 440, 580 yards
Placing
2nd – 3
3rd – 4
4th – 1

Group shot in competition – 300 yards

.739 MOA
.692 MOA
1.115 MOA
.689 MOA
.622 MOA
422 MOA
.836 MOA
.739 MOA

.22LR long range competition with the mount

Because of the lack of a range longer than 300 meters, we mounted VGMs on .22s as a cheap way to practice long range shooting. This has grown into a really fun competition. We shoot 50, 100, 150, 200 & 250 yards at steel plates with 1 MOA 10 rings, 2 MOA 5 rings and no score for any other hits. First time shooters are surprised at how good their scores are. A 5 inch target for the 5 ring and a 2.5 inch to ring at 250 yards seems impossible with a .22 LR, but some really good scores have been shot. We receive e-mails from our customers out west about shots out to amazing ranges with a .22. The VGM may seem an expensive tool to use on a .22, but consider the savings in ammunition, and the use of local ranges of medium distance.