The Ballistics Centre

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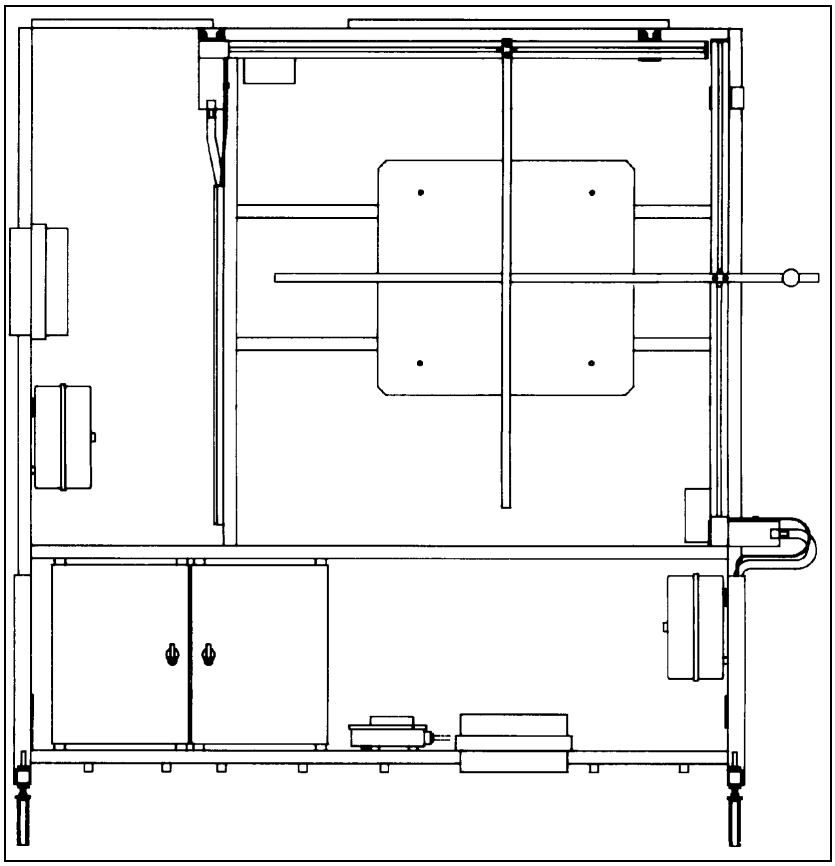
MOVING AIMING MARK



The Moving Aiming Mark is an accessory to the Optical Target (see separate leaflet) which allows rapid and accurate zeroing of weapons in the manufacturing and test environments.

By reducing the number of rounds required for the zeroing process, considerable savings may be made in the cost of testing.

The unit comprises 2 Linear drive motors and a Control and Interface unit. It is controlled by the Computer system software and allows considerable flexibility and ease of use:

The two wooden aiming marks are initially in the 'home' position out of the line of fire. By a single key press, they move to the centre of target area or to the Mean Point of Impact (M.P.I.) of a previously fired group.

The system may be configured so that the aiming marks will move to the M.P.I. of a group of shots as soon as the group has been fired.

A typical example of the use of the Moving Aiming Mark is as follows:

When a weapon is tested for the first time, the sight is only approximately zeroed. The weapon is mounted in a weapon rest and the barrel is aligned to the centre of the target by using a bore-sight. Shots are then fired and the sights adjusted to the M.P.I. of the group of shots. The weapon is then zeroed using the sights and a further group of shots is fired to check the zeroing.

By use of the Moving Aiming Mark (M.A.M.), the final check is not required as the M.A.M. is placed at the M.P.I. of the first shot group and the sight is adjusted to it.

This has the dual benefit of a saving in ammunition cost and improved testing throughput