

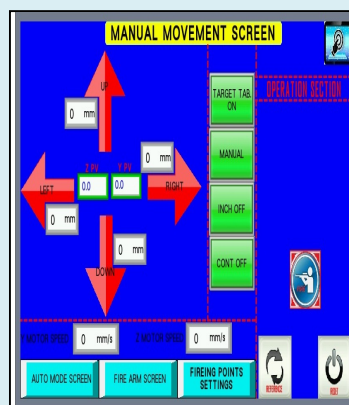
SERVO CONTROLLED TARGET TABLE

PRIORITY SOLUTIONS

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1. Technical Specification and Operation

Servo controlled Target Table has been developed for mounting various targets that are used for doing various ballistic tests, under controlled and planned environment.

It can be used indoor as well as outdoor and can be taken to wheels for moving and then taken back to Rubber Pads during usage.

Two different Servo motors with brakes have been used to move two independent axis horizontally as well as vertically for accommodating different targets points. Movement of this axis is controlled remotely as well as on table.

The remote control box at the range to of 50 meters (can be used at 100 mtrs also) is used with a easy operating joystick control. Apart from this the movement of axis can be precisely controlled with the help of Touch Screen kept at a distance of 50 meters.

Movement of axis can be controlled in two different ways firstly in manual mode i.e. inching motion until the desired movement button is pressed and secondly in continuous mode by filling the value on the HMI and then pressing the desired movement button.

MOST IMPORTANTLY IT CAN BE USED AUTOMATICALLY WITH THE FIRE ARM REST TABLE IN A PREPROGRAMMED WAY TO HAVE FIVE SHOTS AT FIVE DIFFERENT POINTS WITH THE HELP OF COMMAN HMI SCREEN.

Firing target such as Plasticina box can be mounted on the lifting arrangement and then it can be lifted to 90 degrees. Rotary Table is also provided to move the target in circular orientation.

3.1 Technical Data

S.NO	DESCRIPTION OF PARAMETER	VALUE
1	Table top Height	1150 mm
2	Y-Z Axis Servo Controlled, Travel	± 150 mm
3	C- Axis Circular	180 degrees
4	Control	Remote Touchscreen
6	Lifting Plasticina Box	90 degrees

Features:-

- ❖ Y-Z Axis servo controlled, using by Touch Screen
- ❖ Marked '0' at center on top Circular plate .
- ❖ Eyebolts, Casters and Foot.
- ❖ Load bearing capacity of table up to 250 Kg.

1. Composition of Machine

The photograph illustrates the general assembly of the machine.

