

OPERATING INSTRUCTIONS – MEC 306 & 408 SPORTER

CAUTION: ANY MEC MACHINE MUST BE IN THE DISARMED STATE WITH THE BATTERY DISCONNECTED PRIOR TO MAKING ANY ADJUSTMENTS, LOADING WITH CLAYS OR TRANSPORTING

Ensure that the machine is set on level ground, either on the optional T Cart or a pallet.

Ensure that the machine is in the **DISARMED/SAFE** position and that the battery is disconnected.

If your machine has been supplied ready for operation, then proceed to the next instruction. If your machine is supplied in a box without its carousel fitted, it will need to be fitted using the center pin, nut and washers provided on the top plate. Tighten the $\frac{3}{4}$ " locknut nut down on to the grey plastic damping spacer. The nut should be tight enough for the carousel to turn but not spin freely. It is best to keep turning the locknut until the grey damping spacer starts to squash up slightly.



Check the height / clearance of the knife-edges by placing a clay in the carousel. Rotate the carousel so that the clay starts to pass underneath the inner and outer knife separator blades. The clay must pass freely under the knife separator blades without binding but with the minimum of clearance. Adjust if necessary with $\frac{7}{16}$ " open ended wrench. The height on both the inner and outer knife edge will need to be adjusted. Photos below show adjustment with carousel removed.



Unwind the battery cables at the back of the machine and lay them out on the ground. Do not connect to the battery at this stage.

Check that the ON/OFF/DISARM toggle switch on the white remote box connected to the rear of the machine via a 3' cable is in the OFF position. Connect the battery, ensuring you are using a fully charged good quality deep cycle marine battery. With battery connections it is essential not to hammer the connections on or to over tighten them. Red goes to positive (+) and black goes to negative (-) on the battery.

Check visually from the rear of the machine that the motion of the Throwing Arm is not restricted or blocked in any way.

CAUTION: ALWAYS OPERATE THE MACHINE FROM BEHIND, NEVER FROM THE FRONT OR THE SIDES OF THE MACHINE. KEEP HANDS AND BODY PARTS AWAY FROM THE MACHINE WHEN ARMING, RELEASING AND DISARMING.

Standing at arm's length behind the machine making sure that all bodily parts are clear of the machine, push the ON/OFF/DISARM toggle switch into the DISARM position and then release it as soon as the throwing arm fires. The toggle switch is spring loaded and will return to the off position as soon as the switch is released stopping the machine from re-arming itself. If done correctly the arm will be pointing away from the left side of the machine when viewed from behind (right handed machines only). On left handed machines the arm will point away from the right side of the machine. The machine will now be in a safe condition.

Disconnect the battery leads from the battery to ensure that the machine is not accidentally armed while adjusting and loading the machine.

Adjust machine elevation by loosening the silver clamping nut on the elevation slots on either side of the machine using a $\frac{3}{4}$ " wrench. There is no need to loosen the $\frac{3}{4}$ " gold colored locknuts as they are loose enough to allow the machine to be elevated. Tip machine backwards to the desired angle and then retighten the two silver clamping nuts.



Adjust machine tilt by loosening the silver clamping nut at the front and rear of the square base plate upright slots using a $\frac{3}{4}$ " wrench. There is no need to loosen the $\frac{3}{4}$ " gold colored locknuts as they are loose enough to allow the machine tilt.



Carefully load carousel with clays removing any clays that show signs of damage. Load clays as evenly as possible and do not over load.

Ensure that the clays about to be thrown are going into a safe area.

Standing at arm's length behind the machine, press the ON/OFF/DISARM toggle switch to ON. The machine will load a clay and come to the armed position and is now ready to fire and must be treated with **extreme caution**.

To check for clay flight and direction, fire the trap using the ON/OFF/DISARM toggle switch exactly as before so that the machine fires ONCE but does not re-arm.

Increasing or decreasing the distance that the clay is thrown is achieved by winding tension on or off the main spring using a $\frac{3}{4}$ " wrench or the optional $\frac{3}{4}$ " extended socket which can be attached to an impact drive. This can be done with the machine in the disarmed/safe condition for small adjustments. After adjustment of the main spring to set the correct throwing distance, the nuts on the spring stud must be tightened against each other



The pull cord or optional radio release can now be connected to the machine.

The machine can now be switched on for normal use by pressing the ON/OFF/DISARM toggle down to "ON" position to arm the machine.

The machine will fire and re-cock each time that the fire button on the pull cord or radio release is pressed.

No loading or adjustment to the machine should be carried out unless the machine is disarmed and the battery disconnected. After use, the machine must be left in the disarmed/safe condition and the battery disconnected. It is not necessary to relieve the remaining spring tension.

For any questions regarding setup or use of any MEC Clay Trap Machine, please call our toll free number 1-800-676-0365. Alternatively go to our website for video footage showing how setup and adjustment is made, www.mecshootingsports.com.