

# THE **GSW** MULTIPLE TRAY SYSTEM



## MOUNTING GUIDE

The following Steps to set up your Multiple Tray System will assist you to find the easiest and best-working way to achieve what you expect from your "Turn-Key Solution that Lasts"!

**Note:** Before you start mounting any component to the press, make sure you have read and understood the following instructions and also assembled accordingly

All Hardware except the mounting bolts for the Brackets is being supplied with the System

### **Step 1 – Mounting of the Support Side of the System:**

Fasten the **Track** (QF011) by hanging the **Track Fasteners** (QF012) in the side groove of the extrusion and bolting them down on the **Support Brackets** (QF002).

**UHMW Guide Blocks** (QF009): The Fastener Nuts are slid into the top groove of the extrusion. The UHMW guide blocks are put on top of the Nuts and aligned before they are tight down with the fasteners.

**Note:** The flat parts of the UHMW guide blocks are facing each other so that a U-shape is formed. For a better tray movement, we recommend the application of a small amount of multi purpose grease on the UHMW guides



Put the completed **Assembly** against the side of the Bolster Plate to determine the height of the System and mark the mounting holes (we recommend 1/4 inch clearance of the trays to the plate surface).

Drill the holes at the marked location and mount the Assembly to the side of the Bolster Plate.

**Note:** Put your mounting bolts close to the top of the slotted hole to allow future height adjustment of the System

## **Step 2 – Mounting of the Shaker Motor Side of the System:**

### **Support Assembly:**

Mount the **Linear Bearings** (TT1100 1026) to the **Support Brackets** (QF002) and tighten down the **Adaptor Plates Linear Bearing** (QF007) on the Linear Bearing. Fasten the **Track** (QF011) by hanging the **Track Fasteners**(QF012) in the side groove of the extrusion and lightly bolting them down on the Adaptor Plates.

Put the completed **Assembly** against the side of the Bolster Plate to determine the height of the System and mark the mounting holes (we recommend ¼ inch clearance of the trays to the plate surface). Drill the holes at the marked location and mount the Assembly to the side of the Bolster Plate.

Note: Put your mounting bolts close to the top of the slotted hole to allow future height adjustment of the System. After the Assembly is squared, tighten the bolts of the Track Fasteners down.



### **Bolster Bracket Assembly:**

Take the **Bolster Bracket** (QF001 or QF003) and mount the **Shaker Motor** (PS 41, PS 61 or PS 101) on it.

Note: The Front of the Shaker Motor (Air Line Connection Side) has to face away from the bolster for the regular brackets and toward the bolster for the reverse brackets.

Mount the **Adaptor Plate for Track Mounting** (QF004 or QF006) on the Mounting Bracket of the Shaker Motor.

Hang the **Track Fasteners** (the PS 41 and PS 61 take 2 Fasteners, the PS 101 takes 4) in the side groove of the extrusion of the mounted Support Assembly, hold the completed Bolster Bracket **Assembly** against it and tighten the Fasteners down to the Adaptor Plate.

Note: Put your mounting bolts close to the top of the slotted holes to allow future height adjustment of the System. Mount the Bolster Bracket Assembly in such a way that NO stress neither upward nor downward is put on the Manifold. Failure of properly mounting this Assembly might keep the unit from operating and causes pre-mature ware.

### **Step 3 – Mounting of Tray Guides and Hold Downs:**

The **UHMW Tray Hold Down Kit** (QF006) is mounted to the tray. The Hold Downs are mounted onto the side of your trays with the arms facing down. Tab two (2) countersunk holes into the tray sides with a center-hole distance of 1.5 inches (distance the 2 mounting holes of the Hold Downs are apart of each other). You need to allow at least 12 inches measured from outer edge of the Hold Downs to the tray-end as an overhang for the trays.

The **Screw Type Hold Down Kit** (QF008) is mounted onto the Track (QF011). The Fastener Nuts are slid into the top groove of the extrusion, the Fastening Screw is put through the L-bracket and tightened down by turning the wing head by hand. The groove side goes on top (horizontal) to hold the trays down and the lip side (vertical) is set into the top extrusion channel.

Note: Both Hold Down Kits are used at the Shaker Motor Side only.



### **Magnetic Base Assembly – Mounting Instructions:**

Disassemble the **Magnetic Base Assembly** (QF010) first.

Slide the Fastener Nuts into one groove of the extrusion (QF011). Apply the right amount of spacers to reach your desired clearance from the bolster plate. Put the Screws through the Magnets and tighten them down with a hex wrench.

Put the completed Assembly onto the bolster plate at the desired location.

Note: Keep the redundant spacers for future adjustments.



## Overview Page with completed Assemblies and total Set-Up



*Support Side – Support Brackets (QF002/16) with Adaptor Plates (QF007), Track (QF011), Track Fasteners (QF012) and UHMW Guides (QF009)*



*Manifold Side – Bolster Bracket (QF001/3) with Adaptor Plate (QF004/6) and Shaker Motor (PS 41/61/101), Support Brackets (QF002/16) with Adaptor Plates (QF007), Track (QF011) and Track Fasteners (QF012)*



*Total Side View – 304 S.S. Trays, UHMW Hold Downs (QF005), UHMW Guides (QF009), Linear Bearings (TT1100 2146) on completed Support Bracket Assembly*



*Total Top View – 304 S.S. Trays, UHMW Hold Downs (QF005), Screw Type Hold Downs (QF008), Shaker Motor (PS 41/61/101) on completed Bolster Bracket Assembly and UHMW Guides (QF009) on the Support Side*