

Technical Bulletin #3 Balance/Scale movement

To check that the Balance or Scale is working correctly, the Vale-Tech InkManager software has a software application to test these moving parts.

Tests – this is for **controlled** testing of individual parts of the machine and should only be used by a vale-tech engineer or authorized Vale-Tech service agent.

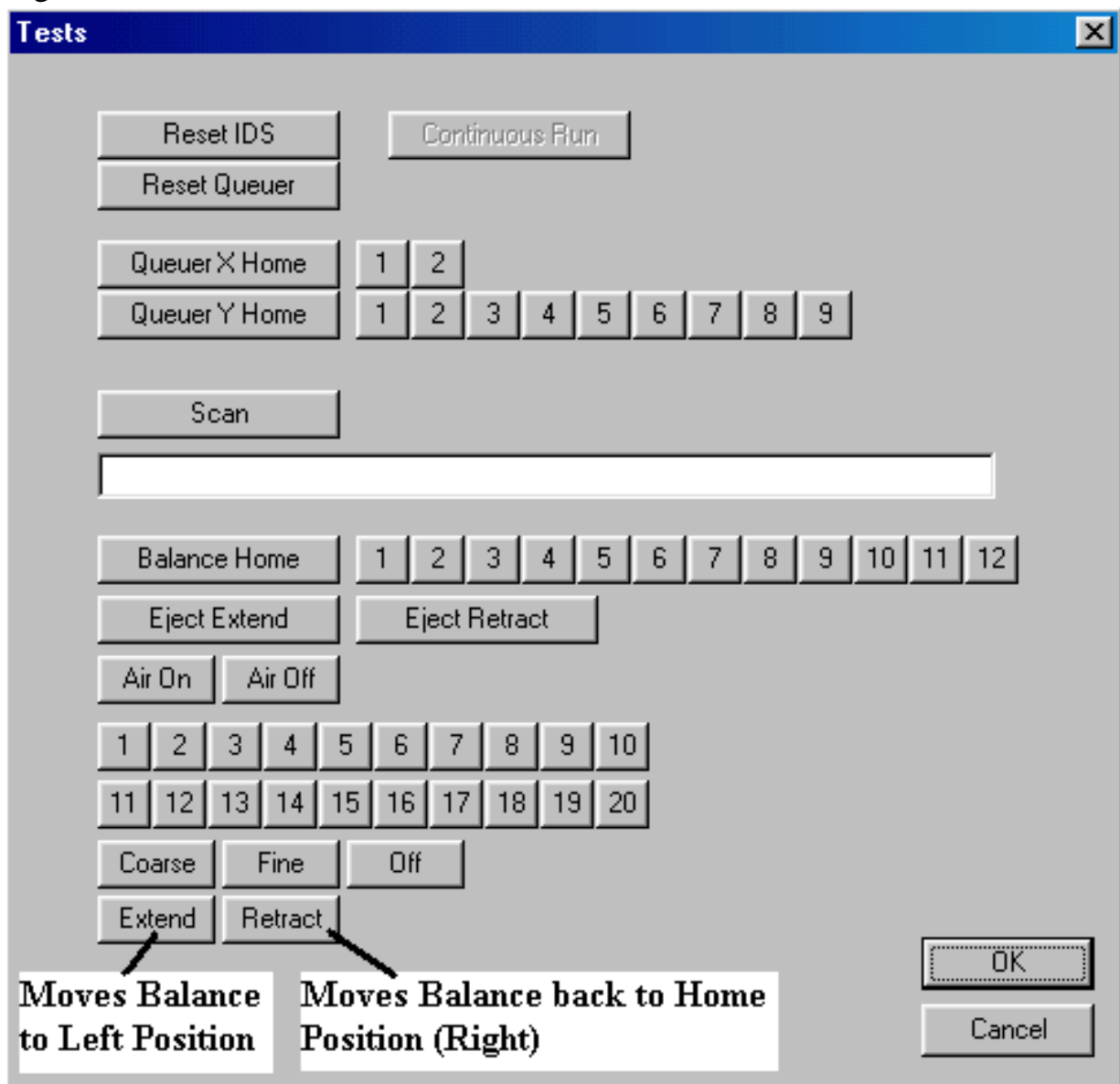


NOTE: Incorrect use of this facility can result in permanent damage to the machine.

With InkManager running, select pull down menu “Options” then move the mouse to highlight “Dispenser” and select “Tests”

The following test screen will appear:

Figure 1.

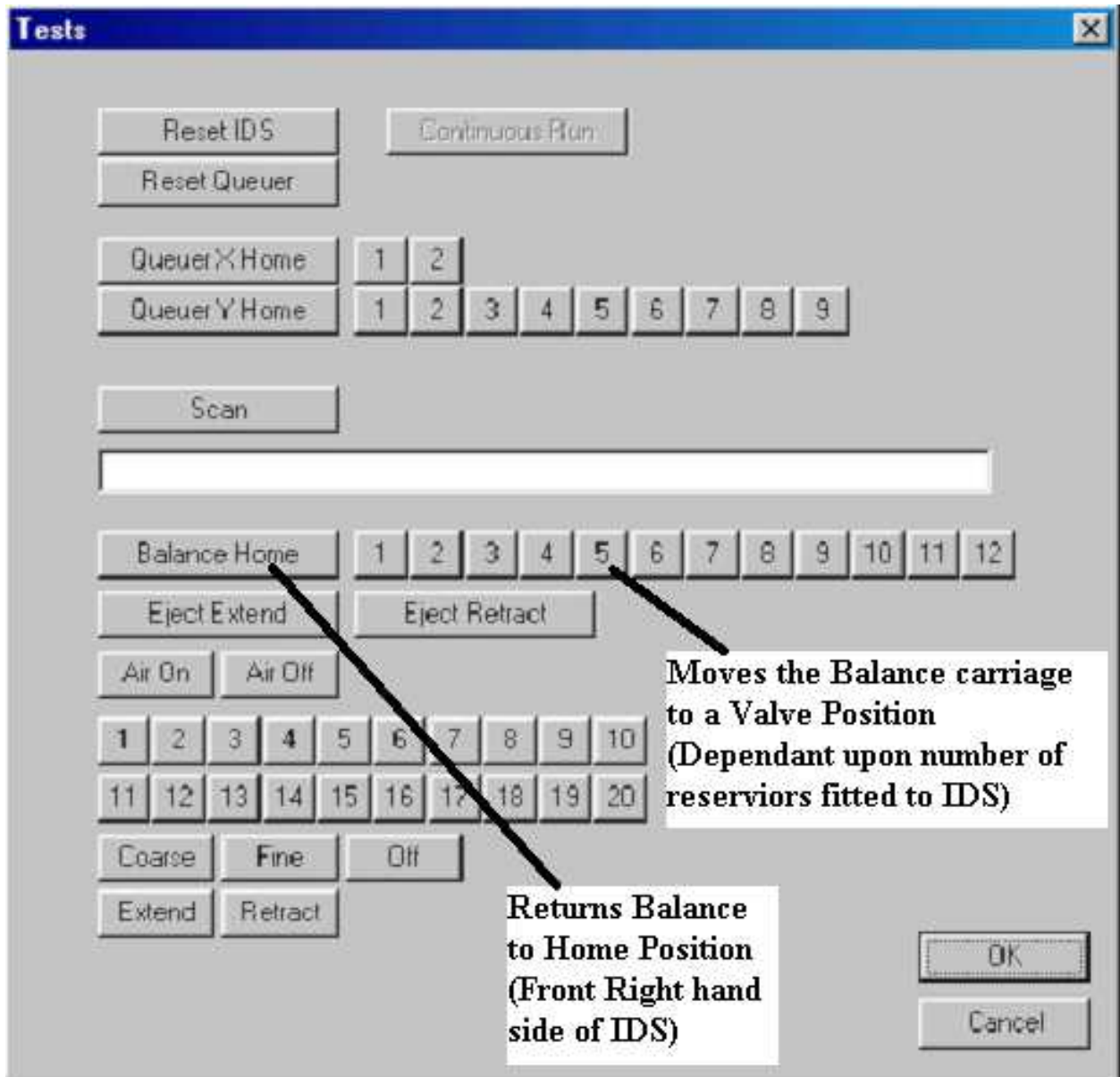


The two Buttons indicated above in Figure 1. allow the Engineer to move the Balance or Scale

First click on the lower "Extend" button to move the Balance from the Home position to the Left Position. The balance should move smoothly and slowly to the Left hand side position. To return the Balance to the Home Position or Right hand side click on the lower "Retract" button.

WARNING: DO NOT use the upper Eject Extend/Retract buttons, these control the Balance position if the IDS is fitted with an optional Queue system!

Figure 2.



The two Buttons indicated above in Figure 2. allow the Engineer to move the Balance or Scale to specific Valve Positions.

NOTE: The amount of positions that the Balance is able to move to is ultimately determined by the number of reservoirs fitted to the IDS machine

First click on one of the buttons numbered 1-12 to move the Balance to a specific Valve position (a good example is number 5). The balance should now move away smoothly and slowly to the correct Valve position and stop. To return the Balance to the Home Position or right hand side, click on the “Balance Home” button. The balance should now move towards the front of the IDS smoothly and slowly to the Balance Home position and stop.

To Exit the IDS Test Screen, please click on OK button

WARNING: The test screen will only determine if the Balance can be controlled. It WILL NOT determine if there is a break in the SAFETY circuit, which WILL stop the Balance from moving during a dispense!

What do I do if the Balance is not moving smoothly and slowly when I ask it to Extend or Retract?

The IDS Balance assembly is fitted with a pneumatic actuator; this controls the Balance movement left and back to the Home position (Right). The amount of air pressure required to move the Balance Left and right can be regulated, ensuring a smooth operation. The Regulator can be found inside the right hand side cabinet of the IDS.

To reduce the air to the actuator and reduce the Balance Extend speed, turn the screw in a Clockwise direction (to the right) if you have a type “b” or “c” regulator, please use the screw lock to lock off after making any adjustment

To increase the air to the actuator and increase the Balance Retract speed, turn the screw in an Anti-clockwise direction (to the left) if you have a type “b” or “c” regulator, please use the screw lock to lock off after making any adjustment

Figure 3. Shows the adjustment for Valve block type “a”

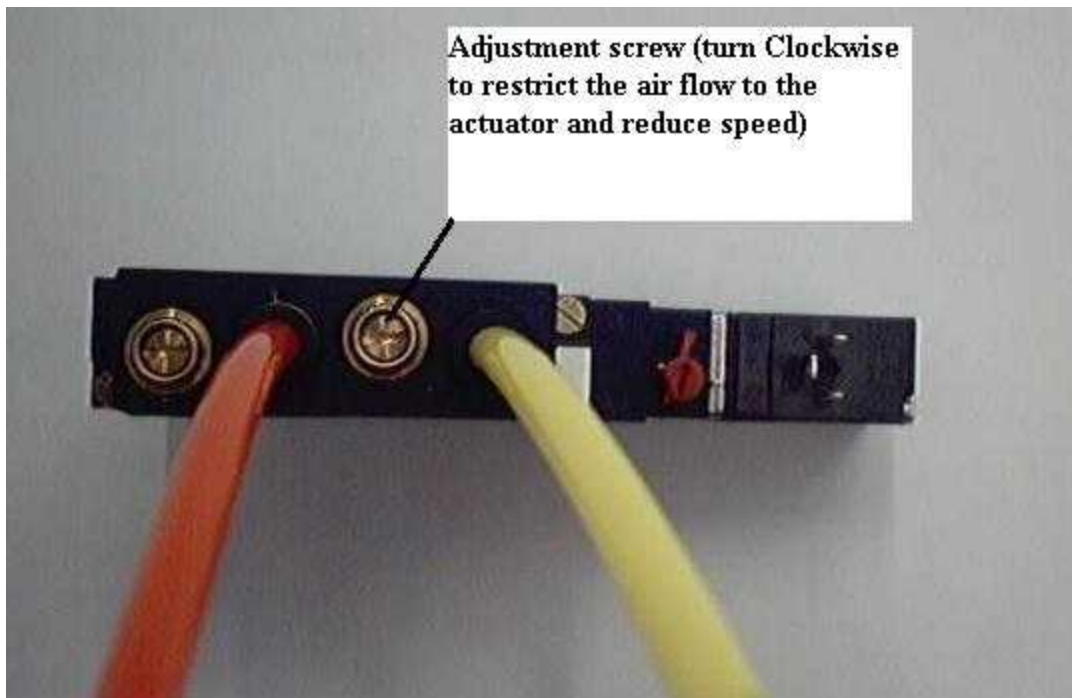


Figure 4. Shows the adjustment for Valve block type “b”

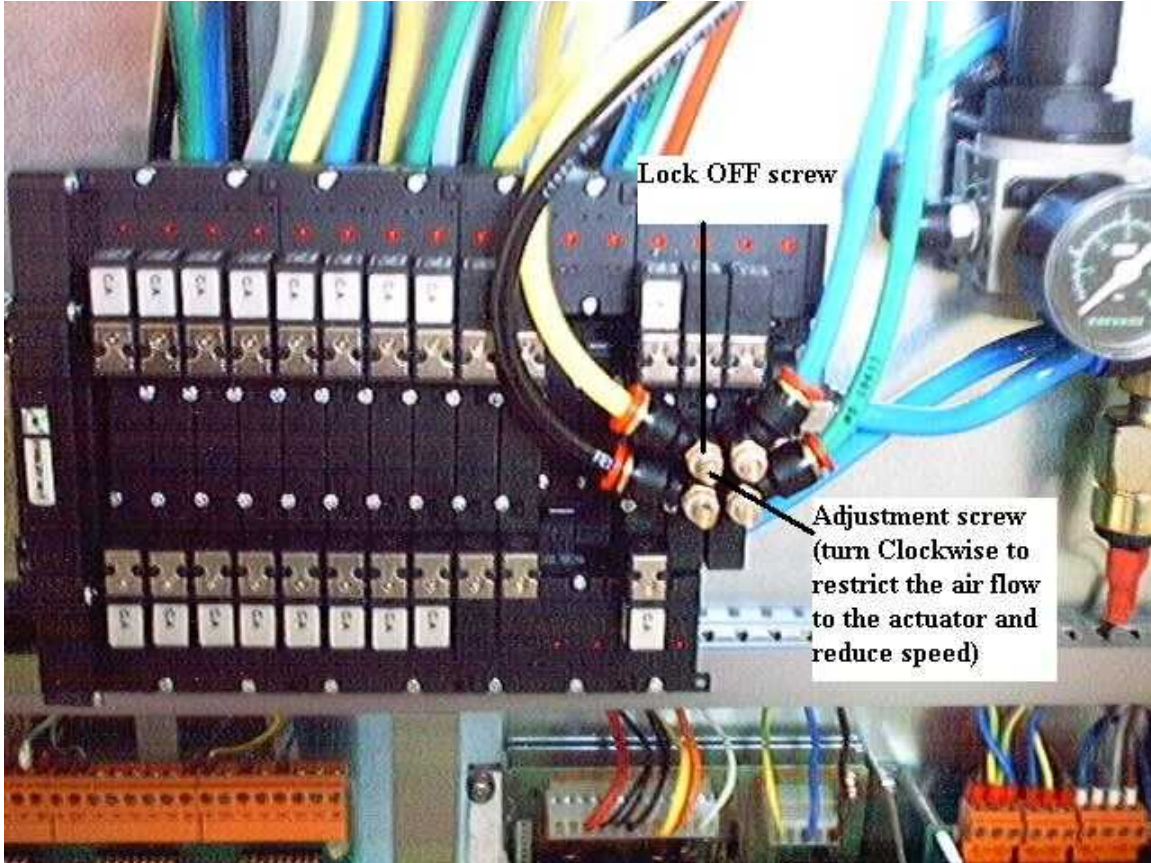
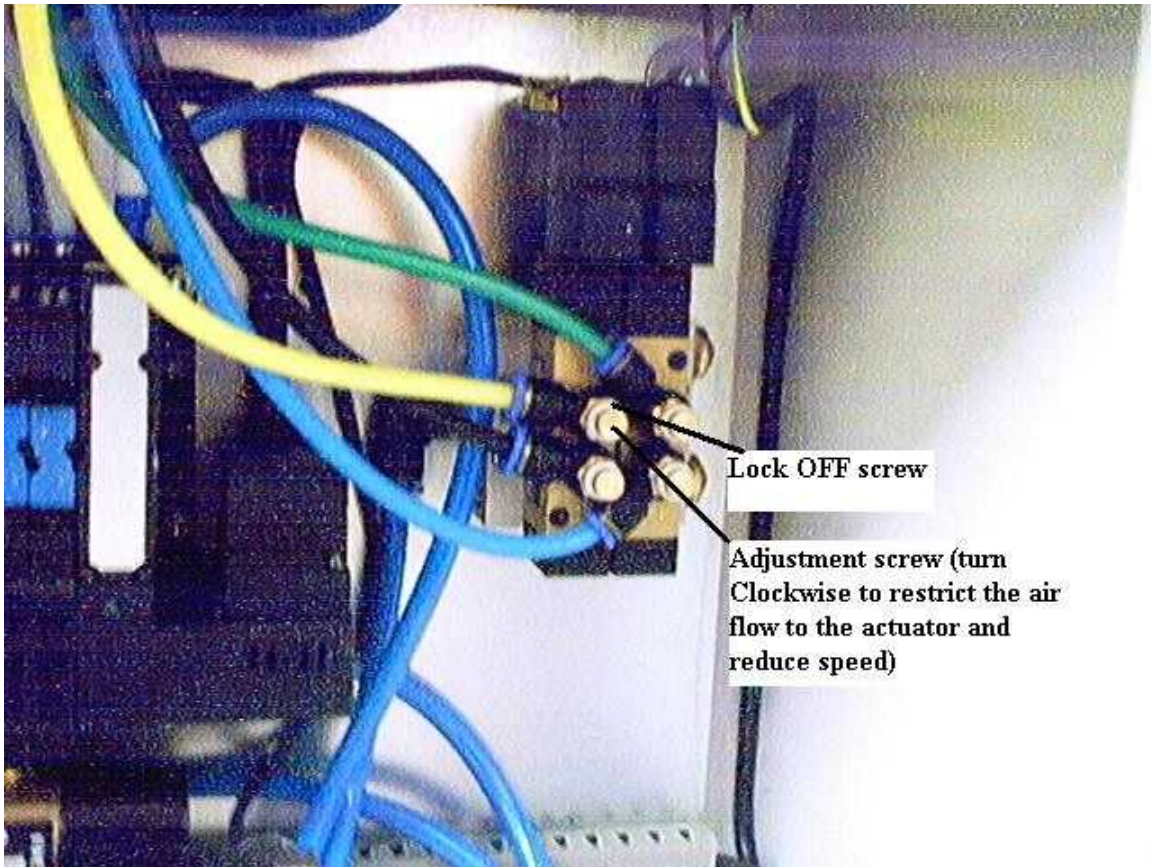


Figure 5. Shows the adjustment for Valve block type “c”



WARNING!



The IDS Balance **WILL NOT** move unless **ALL** of the side door contact switches are securely made. This is a **SAFETY FEATURE** of the IDS machine. It is also **STRONGLY** recommended that these door switches are **NOT** disabled or tampered with in any way, as this could result in the injury of operator personnel