

Yuan Mech

Professional Equipment

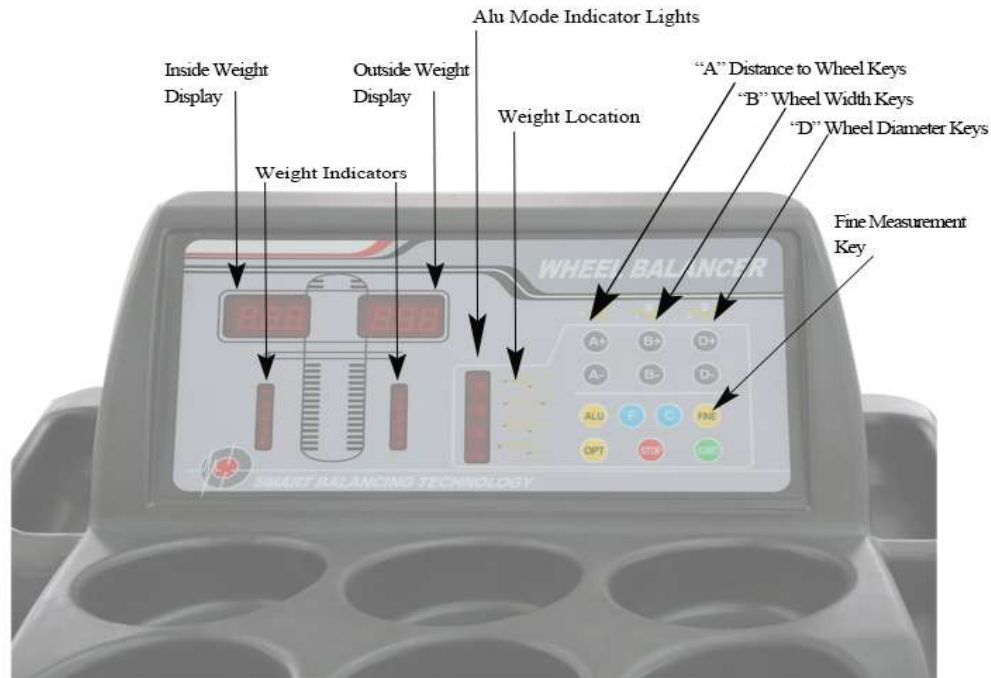
Quick Start Guide



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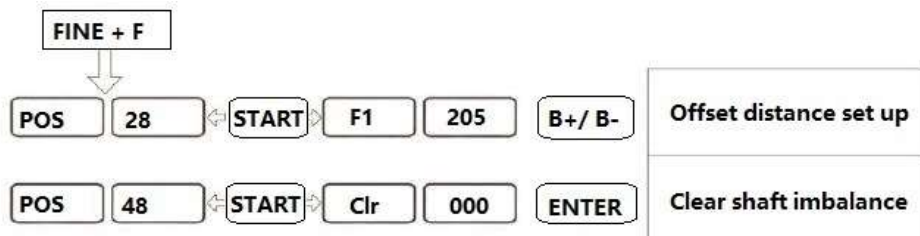
Control Panel



- **Aluminum Mode** – Press to change the locations weight will be applied to the wheel (as shown by the weight Location/ALU mode indicators). Normally used with custom or alloy wheels.
- **“A” Distance** – Press the +/- to enter the distance measured from the balancer to the wheel.
- **“B” Width** – Press the +/- to enter the width of the wheel.
- **“D” Diameter** – Press the +/- to enter the diameter of the wheel.
- **FINE Measurement** – Press and hold to display the exact imbalance measured (“rounded” values will automatically display)
- **Start** – Press to spin the wheel
- **Stop** – Press to exit any function or to stop the balancer.

Disclaimer: The ALUS setting are available on wheel balancers that are equipped with the Automatic Data Entry System. This balancer is NOT equipped with the Automatic Data Entry System.

Machine Set up



STEP 1: Press “FINE” and “F” at the same time. All lights on screen will switch on.



STEP 2: Press “Alu” button and “POS” displays.



STEP 3: Manually rotate the shaft to “POS 28”, press “Start” to confirm. “F1 XXX” displays.





STEP 4: Extract measurement ruler to measure offset distance.



STEP 5: Use "B+ / B-" to increase or decrease the value displayed on screen.



STEP 6: Press "A+" to confirm. Displays "POS 28"



STEP 7: Rotate the shaft to "POS 48" and press "Start" to proceed. Machine will display

“Clr 000”



STEP 8: Press “Start” again and shaft will spin automatically and machine calculate the shaft imbalance. After the spin machine flash “End Clr” and finally display “POS xxx”



STEP 9: Press “Alu” and machine screen displays “66 67” (This is piezoelectric sensor signal, when your hand press on the shaft, the value will change dramatically. These sensors are responding to pressure force.



STEP 10: Press “Alu” and machine return back to working interface.



Switching from grams to ounces

STEP 1: Press and hold the “F” key

STEP 2: Press “A+” key



STEP 3: Machine will show “Unt OZ” and blink three times.



STEP 4: Set up complete and machine will automatically return back to working interface.
If there is displayed value, it will be automatically switched to ounce.



Machine Calibration

STEP 1: Use a 15 inch diameter, 6 or 6.5 inch wide (195/65 R15), slightly used or new steel wheel and tire on the balancer. Only a hub-centric wheel may be used. Wheels that are lug-centric (center on the studs, not the center hole) cannot be used for calibration. Trailer wheels cannot be used for calibration. Aluminum or alloy wheels cannot be used for calibration. The wheel used must not have any weights installed. The only weight you will use in the calibration procedure is the special 100g (3.5oz) calibration weight provided with the balancer. Failure to follow these instructions will result in an incorrect calibration and poor balancing accuracy.



STEP 2: Begin by selecting a cone which will fit the center hole of the wheel.



STEP 3: Place the cone on the shaft.



STEP 4: Next, place the wheel on the shaft. Finally, place the Quick Nut on the shaft with

pressure cup attached. Tighten the Quick Nut securely, but do not over tighten. Over tightening the Quick Nut will cause damage to the nut.



STEP 5: Verify that the balancer is in DYNAMIC mode, then manually measure and enter the parameters.

“A” (distance of the wheel from the machine in centimeters)



Enter the distance by A+ / A- buttons.



“D” (diameter of the wheel in inches. Refer to marking on tire)



Enter the diameter by D+ / D- buttons.



"B" (wheel width, use a caliper to measure)



Enter the width by B+ / B- buttons.



STEP 6: Enter the factory-calibration mode by pressing "F" and "C" at the same time.

“CAL CAL” is displayed.



STEP 7: Press the “START” button and spin the wheel.



STEP 8: When the spin is finished and the wheel stops, the display will read “Add 100” (3.5 ounce). Rotate the wheel until all the outside weight indicators are fully lighted. Apply the 100 gram (3.5 ounce) calibration weight on outside edge of the rim at 12 o'clock position.





STEP 9: Press the “START” button and spin the wheel.



STEP 10: When the spin is finished, the display will read “100 Add” (3.5 ounce)
Remove the calibration weight from the outside edge of the wheel.
Rotate the wheel until all the inside weight indicators are fully lit.
Apply the 100 gram (3.5 ounce) calibration weight to the inside edge of the rim at 12 o'clock position.





STEP 11: Press the “START” button and spin the wheel.

STEP 12: After the spin is finished, the screen will flash “CAL End” and machine will return back to DYNAMIC mode. Your balancer is now calibrated.



Calibration Check

To check the calibration, the calibration wheel must be well-balanced (imbalance 0 and 0) Use this perfect wheel and follow instruction “Machine Calibration” to calibrate the machine. After calibration is finished and machine will return back to DYNAMIC mode, Leave the wheel remained and test the wheel in DYNAMIC mode. (The parameters of wheel doesn't need because they have already been input before the calibration)

STEP 1: Press the “START” button and spin the wheel.

STEP 2: When the spin is finished, the display will read “100 0” (3.5 ounce)

STEP 3: Rotate the wheel until all the inside weight indicators are fully lit. The 100g (3.5 oz) weight should be at 6 o'clock position.



STEP 4: Remove the calibration weight from the inside edge of the wheel. Press the “START” button and spin the wheel.



STEP 5: When the spin is finished, the display will read “0 0”



STEP 6: Apply the 100 gram (3.5 ounce) calibration weight on outside edge of the rim at random position. Press the "START" button and spin the wheel.



STEP 7: When the spin is finished, the display will read "0 100" (3.5 ounce). Rotate the wheel until all the outside weight indicators are fully lighted. The 100g (3.5 oz) weight should be at 6 o'clock position.



STEP 8: If the test follow above instruction, the calibration is successful and now machine is precise and ready to work.