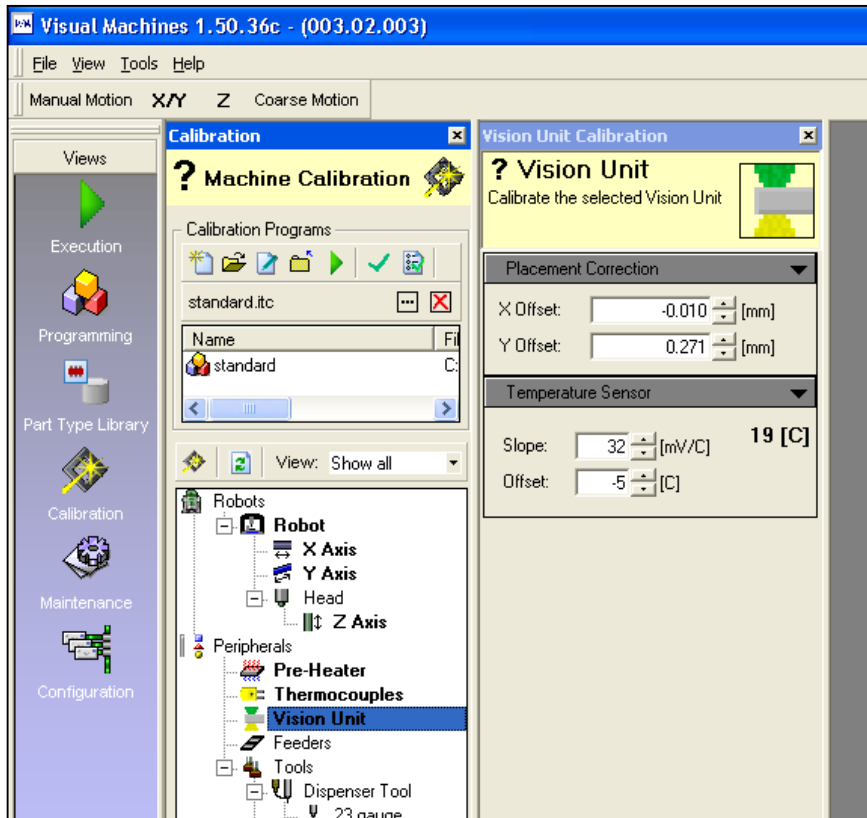


5.7 Vision System Calibration

NOTE:

CALIBRATION OF THE ONYX29 VISION SYSTEM DOES NOT REQUIRE ANY MECHANICAL ADJUSTMENT. CALIBRATION MUST BE DONE BY AUTHORIZED PERSONNEL.

1. Go to the Calibration View (operator/password restricted).
2. Double click on Vision Unit to access the vision system “X” and “Y” offsets.



- The 0,0 position on the ONYX29 is front left.

3. If the QFP leads need to move toward 0,0 in the X or Y direction, a small adjustment should be made to the existing offset values.
4. If the QFP leads need to move away from 0,0 in the X or Y direction, a small adjustment should be made to the existing offset values.

IMPORTANT:

THE AMOUNT OF THE OFFSET ADJUSTMENT SHOULD BE VERY SMALL, TYPICALLY .25 MM.

5. Repeat the Placement Verification Process after the offset adjustments are made. Reiterate until the desired placement results are achieved.