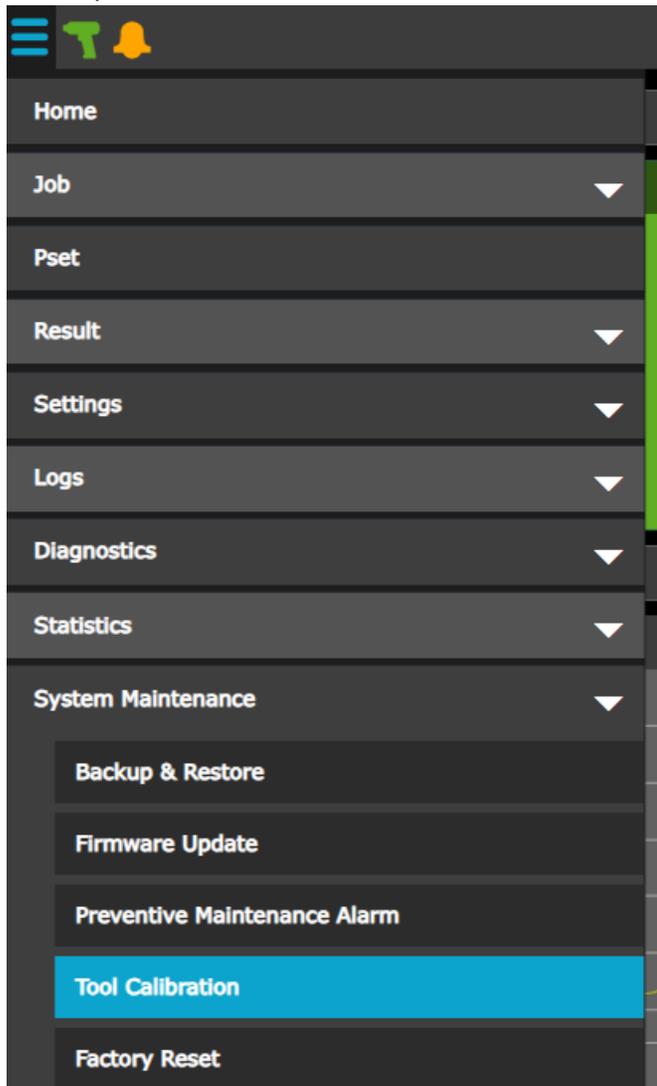Tool Calibration with the INSIGHTqc Controller
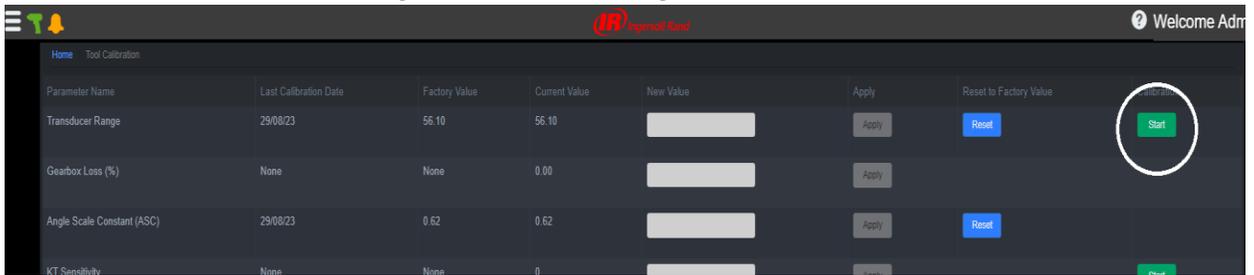
1. Select the Job you want to use for calibration.
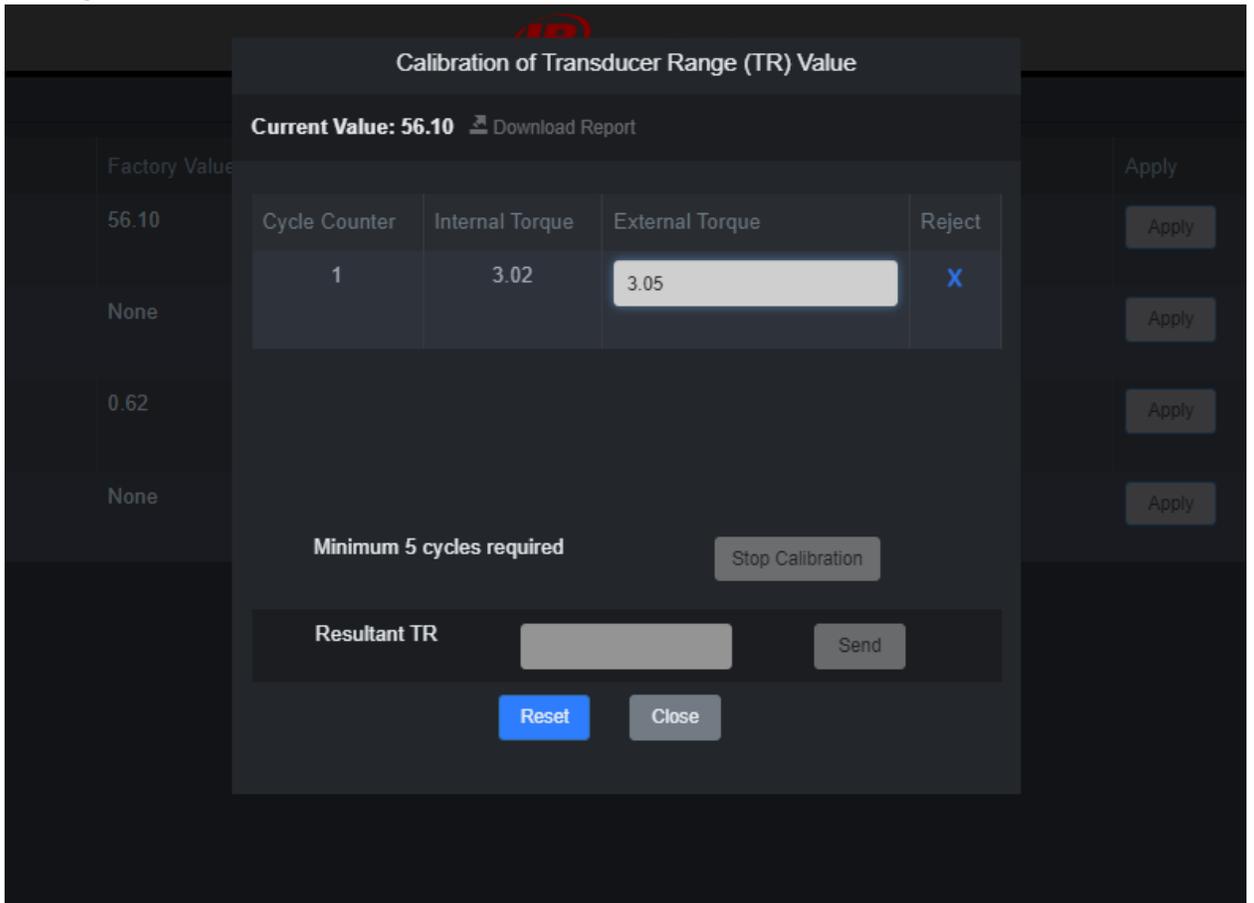

2. Go to System Maintenance->Tool Calibration.

3. Click on the Start button to the right of Transducer Range.

4. Run a cycle. The Internal Torque will populate (controller result). Enter the External Transducer reading.

5. Repeat this a minimum of 5 times.

Calibration of Transducer Range (TR) Value

Current Value: 56.10 ⤓ Download Report

3	3.00	3.03	X
4	3.01	3.04	X
5	3.02	3.03	X

Minimum 5 cycles required　　　　Stop Calibration

Resultant TR　　　　　　　　　　Send

Reset　　Close

6. When you are finished, select the Stop Calibration button. The Resultant TR will populate.

Calibration of Transducer Range (TR) Value
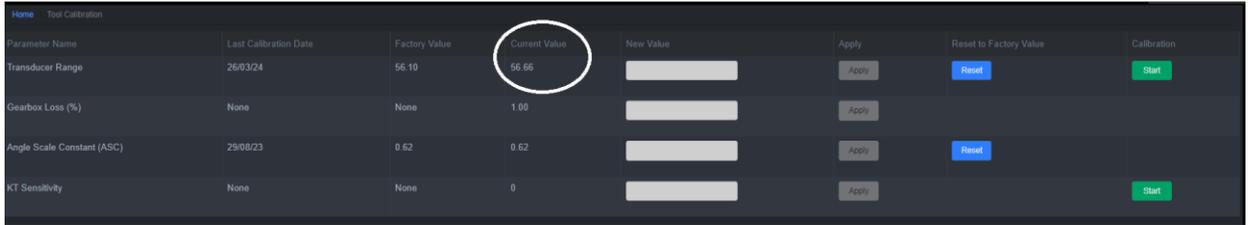
Current Value: 56.10 ⤓ Download Report

3	3.01	3.06	X
4	3.01	3.03	X
5	3.01	3.03	X

Minimum 5 cycles required　　　　Stop Calibration

Resultant TR　　56.66　　　　Send

Reset　　Close

7. Click on the Send button to send the Resultant TR to the tool. Then select the Close button.
8. You will notice the Resultant TR is now showing as the Current TR value.

Parameter Name	Last Calibration Date	Factory Value	Current Value	New Value	Apply	Reset to Factory Value	Calibration
Transducer Range	26/03/24	56.10	56.66		Apply	Reset	Start
Gearbox Loss (%)	None	None	1.00		Apply		
Angle Scale Constant (ASC)	29/08/23	0.62	0.62		Apply	Reset	
KT Sensitivity	None	None	0		Apply		Start

Home   Tool Calibration