

Daily Torque Check System **Instruction Manual**

Tohnichi Mfg.Co.,Ltd.

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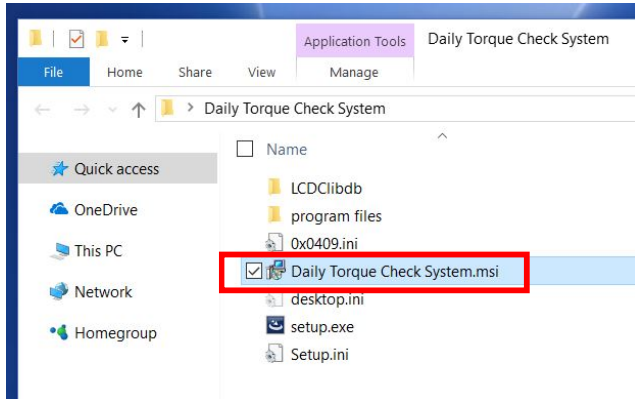
1. System Requirements and Installation Instructions

1.1 System Requirements

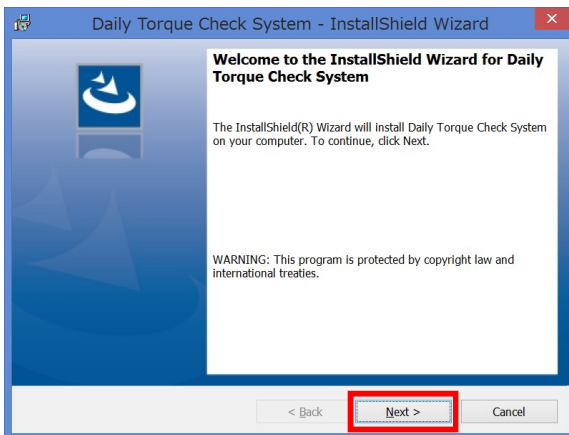
- OS: Windows 7, 8 or 10
- .NET Framework 4.0 or later

1.2 Installation Instructions

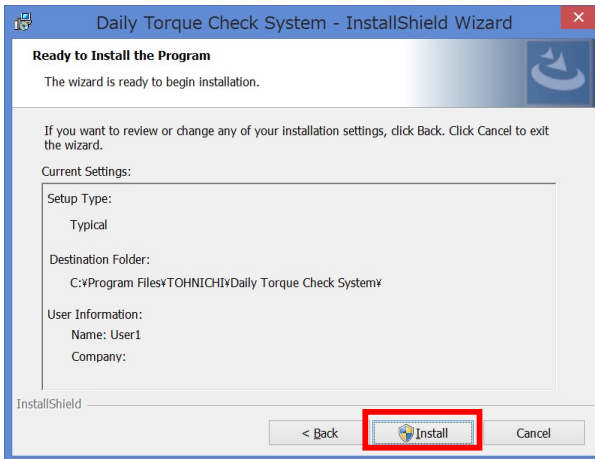
- (1) Double-click the **Daily Torque Check System** file in the folder to launch the installer.



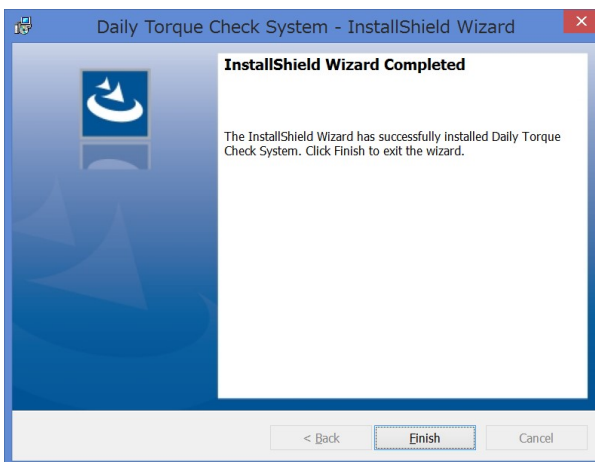
- (2) Click “Next” to continue.



- (3) Click **"Install"**. Your PC/Laptop may ask you **"Do you want to allow this app from an unknown publisher to make changes to your device?"** and then click **"Yes"** to begin the installation.



- (4) Click **"Finish"** to complete installation.



2. Running Daily Torque Check System

Once the installation has successfully completed, you will see the following:

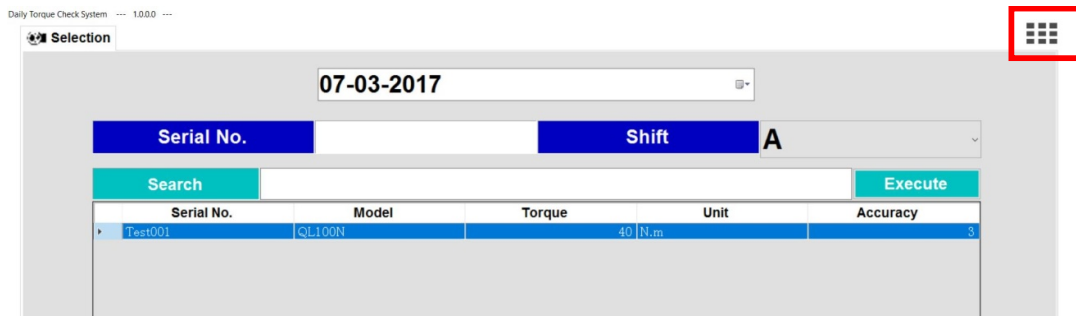
- Daily Torque Check System shortcut on your desktop.



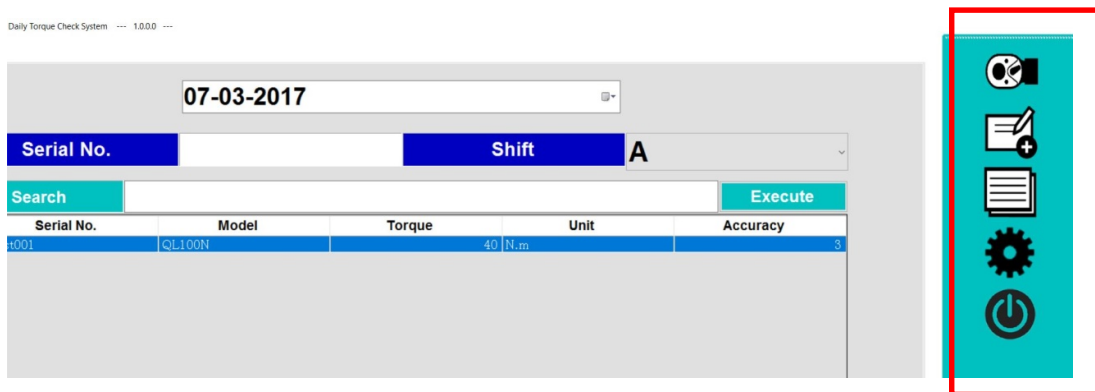
Double click the “Daily Torque Check System” from the desktop icon shortcut to start.

3. Running Daily Torque Check System

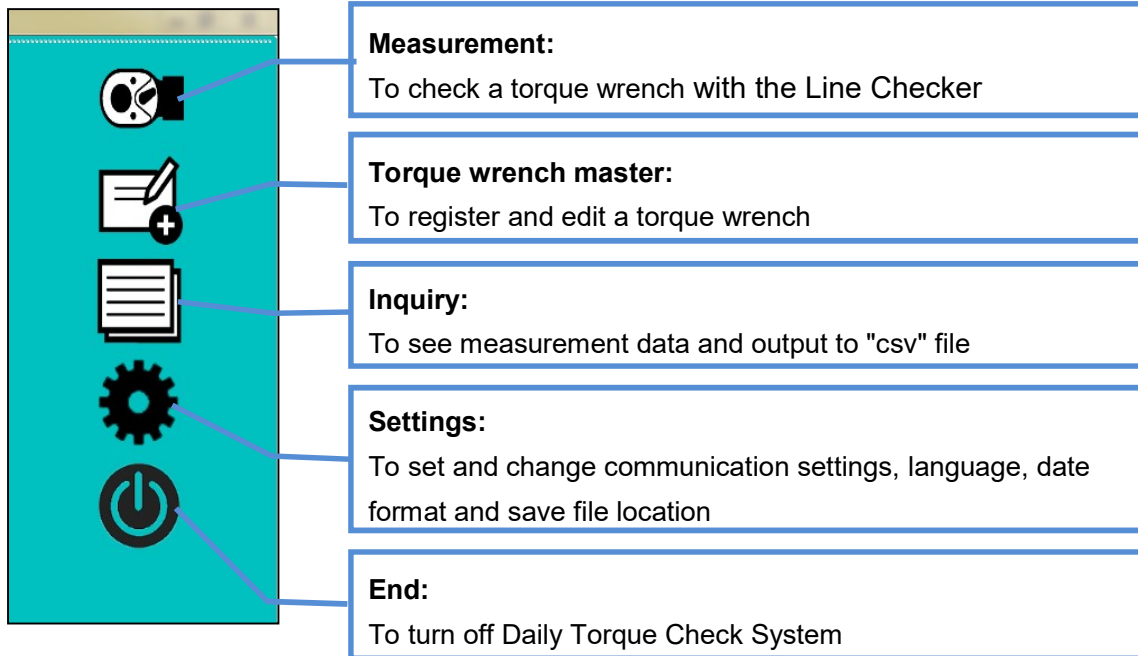
- (1) Click The **Menu icon** on the top-right corner.



- (2) The **Menu icon bar** will appear up on the right.

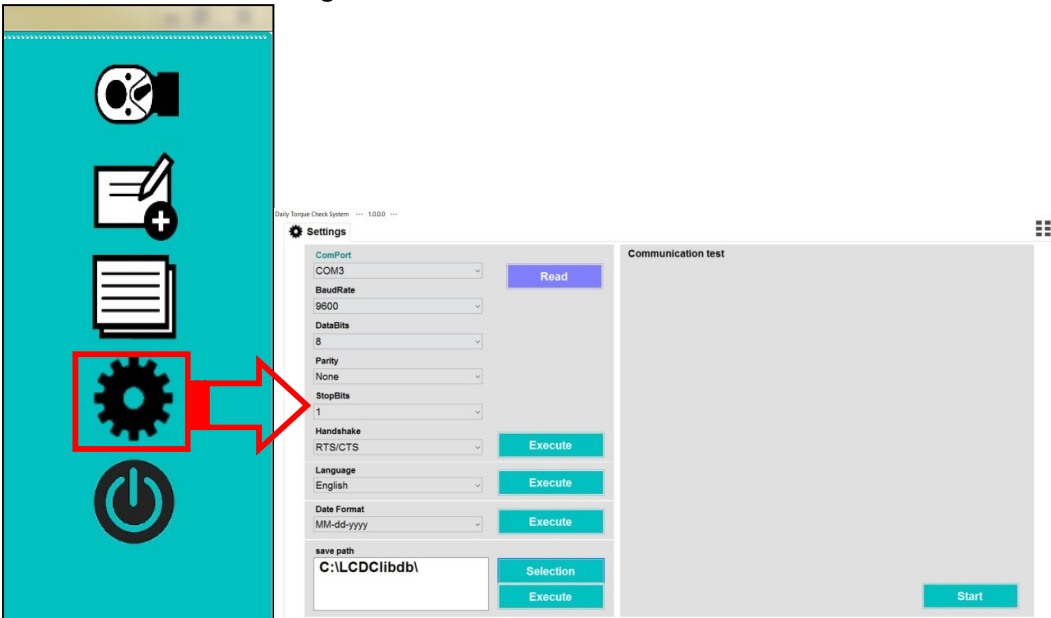


(3) Description of Menu icons.



4. Settings

(1) Click the **Settings icon** on the menu bar.

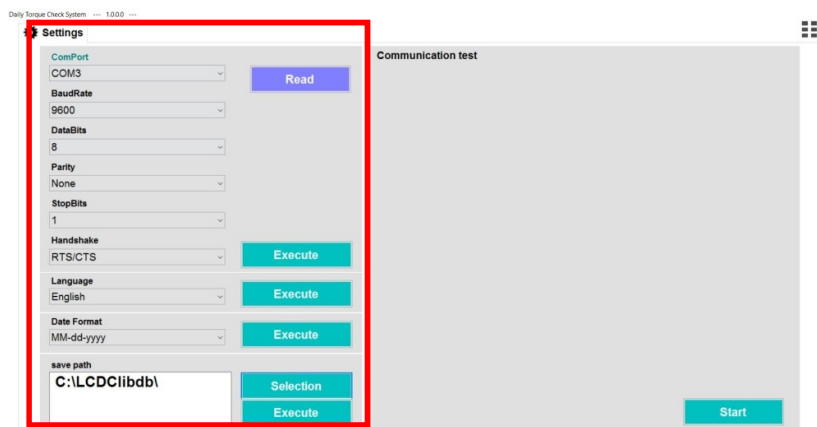


(2) Select the parameters from the pulldown menu and click "**Execute**" corresponding to each section to save the settings. The communication settings have to match your Line Checker's communication settings.

*If you do not click "**Execute**" the settings won't be updated.

Once you click "**Read**" the **ComPort** pulldown list will be updated.

The default csv file save location can be changed if you click Selection on the **Save path** section. Click "**Execute**" on the **Save path** section to update your setting.



- (3) Click "**Start**" to launch the **Communication test**. Please make sure that your communication settings are correct.

Daily Torque Check System --- 1.0.0.0 ---

Settings

ComPort

COM6 Read

BaudRate

9600

DataBits

8

Parity

None

StopBits

1

Handshake

RTS/CTS Execute

Language

English Execute

Date Format

MM-dd-yyyy Execute

save path

C:\Users\TAC\Desktop\ Selection

Execute

Communication test

Start communication.

```

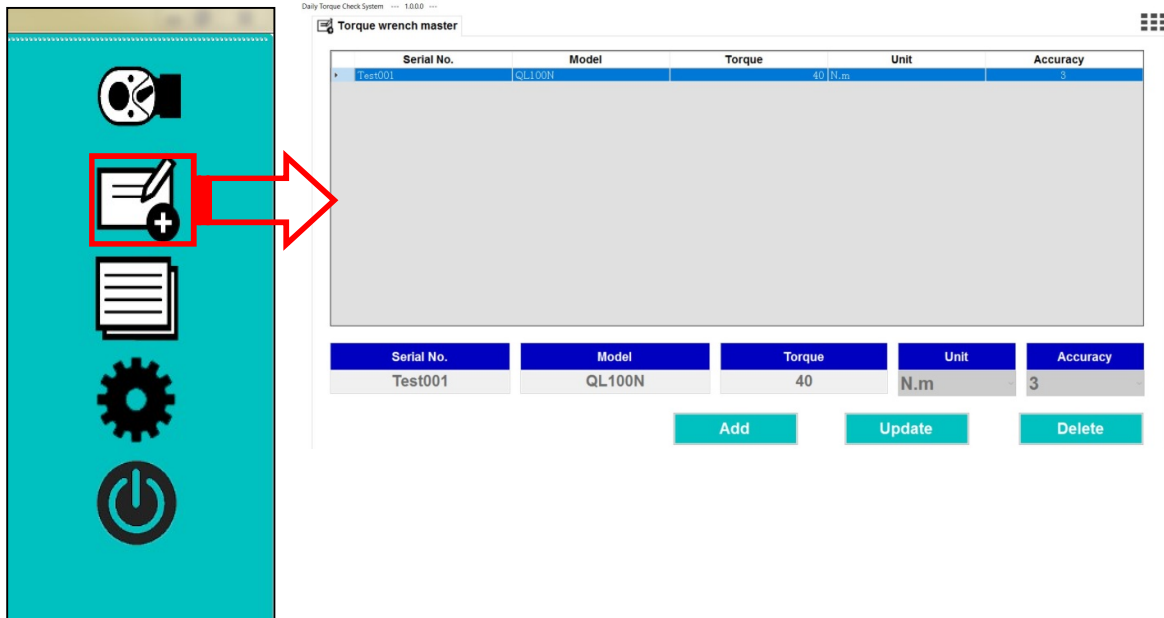
RE,0168, 029.8,A,LO,07/03,16:48
RE,0167, 069.1,A,HI,07/03,16:48
RE,0166, 030.4,A,OK,07/03,16:48
RE,0165, 030.0,A,OK,07/03,16:48
RE,0164, 030.2,A,OK,07/03,16:48
RE,0163, 029.9,-,-,07/03,16:47
RE,0162, 030.0,-,-,07/03,16:47
RE,0162, 037.1,-,-,07/03,16:46
RE,0161, 030.2,-,-,07/03,16:46
RE,0160, 030.2,-,-,07/03,16:46
RE,0159, 030.2,-,-,07/03,16:46
RE,0158, 029.9,-,-,07/03,16:46
RE,0157, 030.2,-,-,07/03,16:46
RE,0156, 030.4,-,-,07/03,16:46

```

Stop

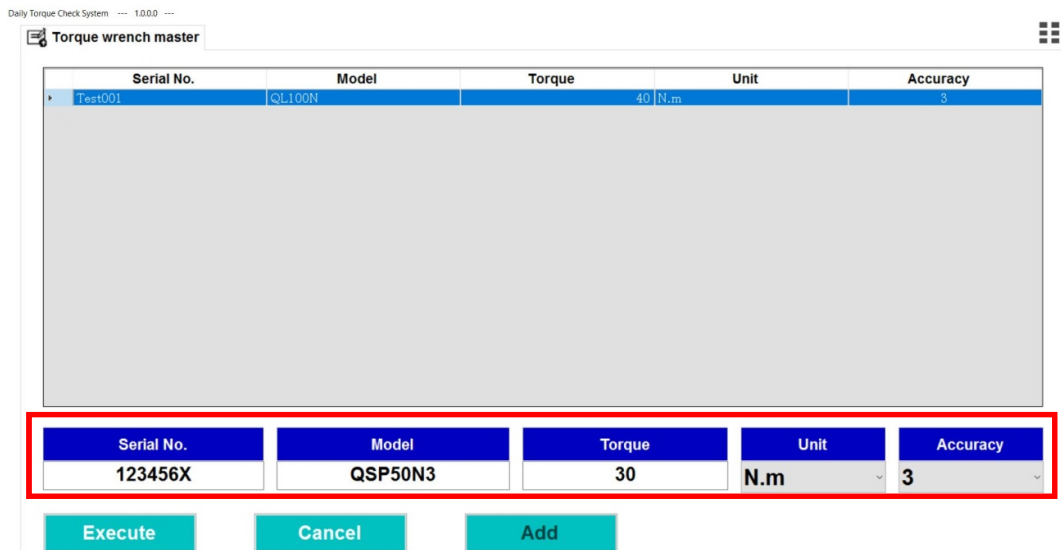
5. To Torque Wrench Entry and Update

Click the **Torque wrench master icon** on the menu bar.



5.1 Registering a new torque wrench

- (1) Click "Add" and enter **Serial number**, **Model**, **Preset torque value**, **Unit of measure** and **Accuracy**. Click "Execute" to register the new torque wrench information.



- (2) If the registration is successful the torque wrench information will be added to the list.

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Torque wrench master

Serial No.	Model	Torque	Unit	Accuracy
123456X	QSP50N3	30	N.m	3

Serial No.	Model	Torque	Unit	Accuracy
123456X	QSP50N3	30	N.m	3

5.2 Update torque wrench information

- (1) If you would like to edit torque wrench information select the desired torque wrench on the list and then click "Update".

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Torque wrench master

Serial No.	Model	Torque	Unit	Accuracy
123456X	QSP50N3	30	N.m	3
Test001	QL100N	40	N.m	3

Serial No.	Model	Torque	Unit	Accuracy
Test001	QL100N	40	N.m	3

(2) **Serial number** is fixed, you can change **Model**, **Torque**, **Unit** and **Accuracy**.
Click "**Execute**" to update your settings.

Daily Torque Check System --- 1.0.0.0 ---

 Torque wrench master 

Serial No.	Model	Torque	Unit	Accuracy
123456X	QSP50N3	30	N.m	3
Test001	QL100N	40	N.m	3

Serial No.	Model	Torque	Unit	Accuracy
Test001	QL100N	40	N.m	3

5.3 Delete Torque Wrench Information

Select a torque wrench which you would like to delete on the list and then click Delete.
The window will show up that asks "**Do you want to delete?**" and click **Yes** to delete.

Delete
✕

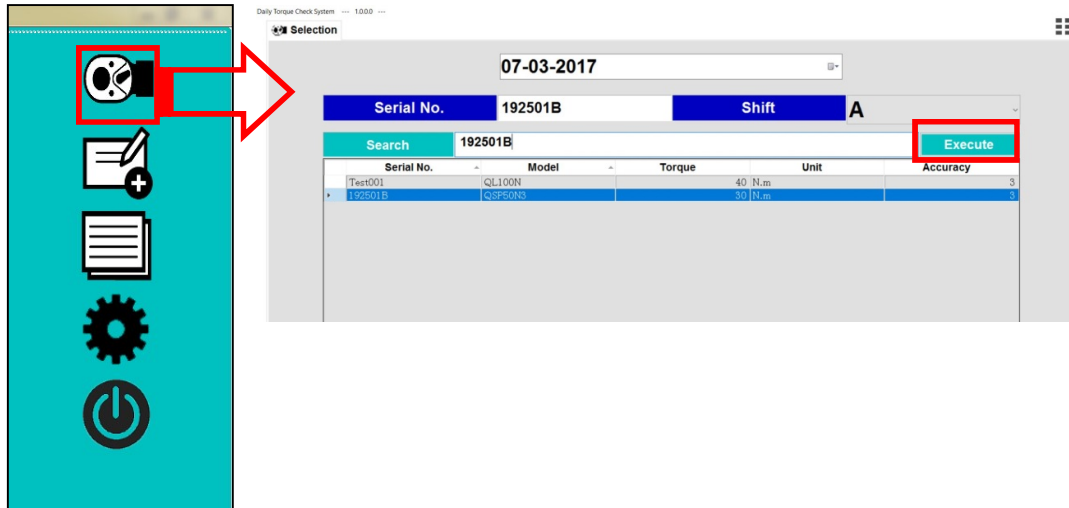
Do you want to delete?

6. Torque Wrench Measurement

- (1) Click the **Measurement icon** on the menu bar.

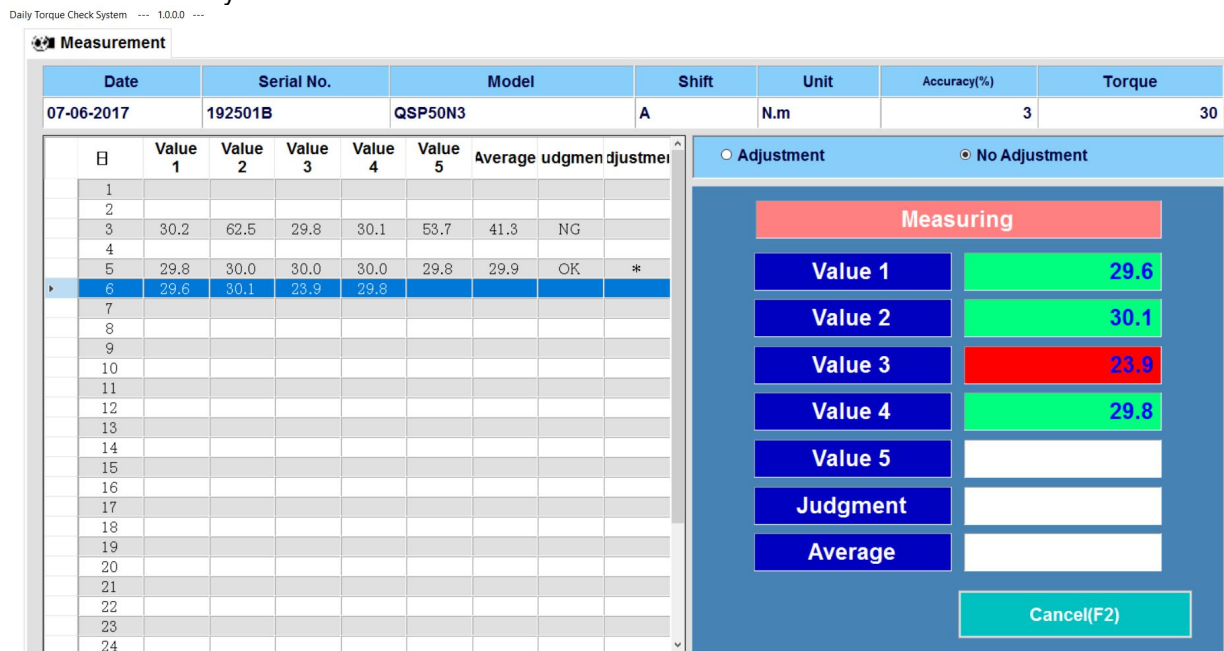
Confirm the **Date**. Select your **Shift** from "**A**" or "**B**" and a torque wrench on the list. You can search from Serial number if you enter a Serial number in the search box.

After you select a torque wrench click "**Execute**" to start measurement.



- (2) Measure the torque wrench 5 times on your Line Checker. The results will be shown Green if in tolerance or Red if out of tolerance.

If you click "**Adjustment**" in the **Measuring window** the software shows this tool was adjusted as indicated by an asterisk in the tool data.



- (3) Once you measure 5 times the software will display **Judgment** and **Average of the 5 readings**.
Click **"Save"** to record measurement or **"Previous"** to cancel it.

Daily Torque Check System --- 1.0.0.0 ---

Measurement

Date	Serial No.	Model	Shift	Unit	Accuracy(%)	Torque
07-07-2017	192501B	QSP50N3	A	N.m	3	30

日	Value 1	Value 2	Value 3	Value 4	Value 5	Average	udgmen	djustme
1								
2								
3	30.2	62.5	29.8	30.1	53.7	41.3	NG	
4								
5	29.8	30.0	30.0	30.0	29.8	29.9	OK	*
6	29.6	30.1	23.9	29.8	29.9	28.7	NG	
7	30.2	29.9	29.9	29.5	29.7	29.8	OK	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

☐ Adjustment
 ☒ No Adjustment

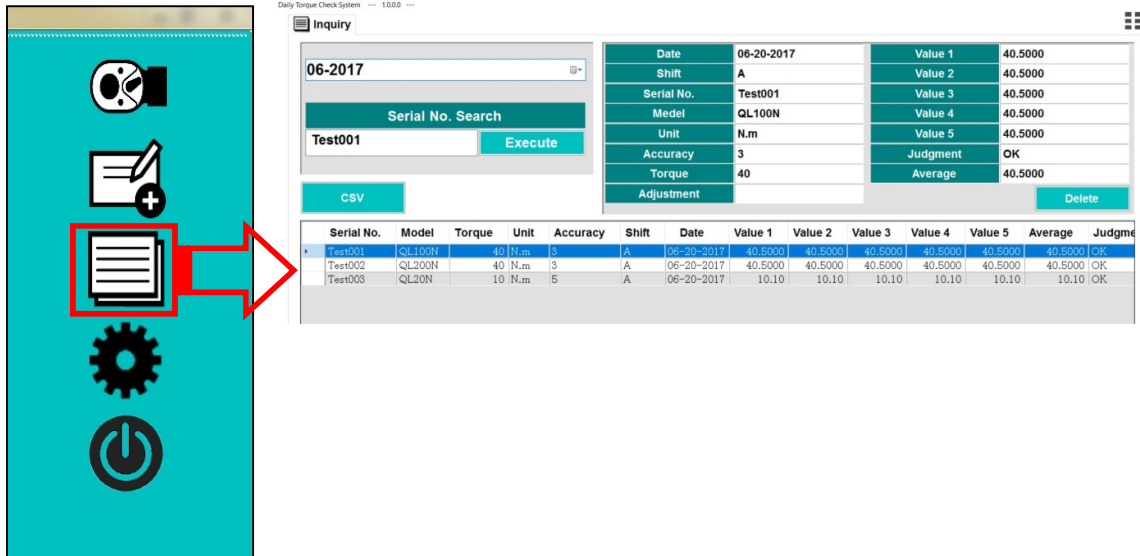
Measurement completed.

Value 1	30.2
Value 2	29.9
Value 3	29.9
Value 4	29.5
Value 5	29.7
Judgment	OK
Average	29.8

Save(F1)	Previous(F2)
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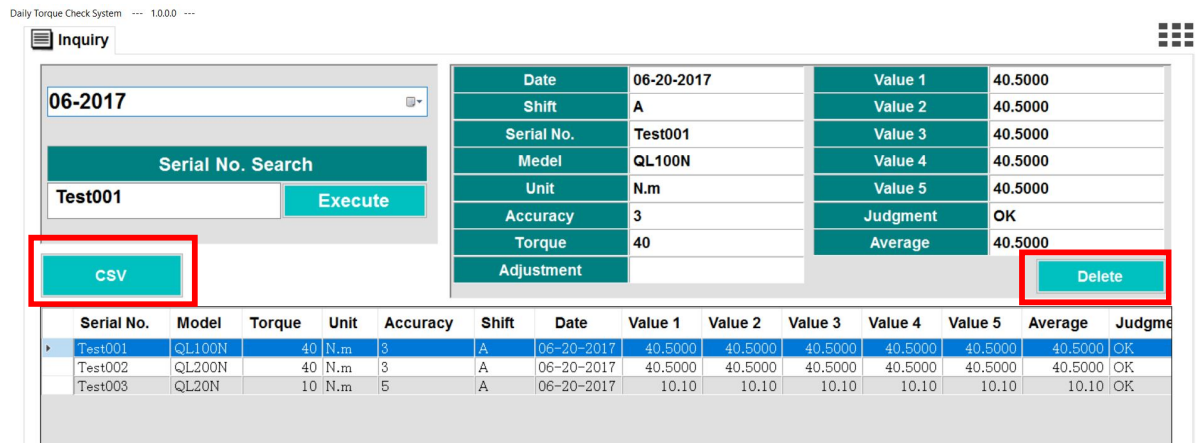
7. To Measurement Data Inquiry

(1) Click the **Inquiry** icon on the menu bar.



(2) Select a torque wrench or search by serial number on the search box and click **"Execute"**. You can see the measurement data. You may click **"Delete"** if you don't need this measurement data.

Click **"csv"** the software will output a csv format file of measurement data for the torque wrenches that are shown on the list to the default location.



8. Support

If you have any questions please feel free to contact Tohnichi or one of our authorized dealers.

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