



TORQUE ROBO 4.0



The Pneumatic 21 CFR Part 11 compliant Torque Tester is a state-of-the-art instrument designed for precise measurement and control of torque in caps, closures, and threaded components. Engineered with pneumatic holding and Electric actuation, it ensures consistent, operator-independent testing with minimal human error.

Equipped with high-resolution sensors and robust pneumatic clamping, the tester provides accurate readings for removal torque. Designed for modern production and quality control environments.

Key Features:

1. Pneumatic Holding and rotation (Ensures high Accuracy)
2. Different Units conversion facility
3. Complies 21 CFR FDA Part 11 Software requirements
4. Multiple Logins (Operator, Supervisor, Admin)
5. Audit Trail reports
6. Advanced HMI screen
7. Acrylic Covering for Safety
8. Modernized adjustment of different sizes of bottle with Electrical Actuator
9. Ethernet and USB connectivity.
10. Applicable for Threaded closures like bottles, tubes etc.
11. Login Records trails
12. Bar graph retrieval facility

Note: All times shown are based on UTC +5 and 24 hour clock | DD/MM/YYYY HH:MM:SS |

LOGIN ID : /ADM SAMPLE ID : BOTTLE

TEST UNIT : LB-IN TEST TYPE : REMOVAL

TABLE-1: TEN SAMPLE RECORDS

SN	DATE	TIME	TORQUE	RESULT
01	30 / 8 / 2025	16 : 50 : 1	8.93	PASS
02	30 / 8 / 2025	16 : 4 : 10	0.00	
03	30 / 8 / 2025	16 : 4 : 40	0.00	
04	30 / 8 / 2025	16 : 7 : 52	0.00	
05	30 / 8 / 2025	16 : 8 : 31	0.00	
06	30 / 8 / 2025	16 : 20 : 57	0.00	
07	30 / 8 / 2025	16 : 20 : 59	0.00	
08	30 / 8 / 2025	16 : 40 : 53	0.00	
09	30 / 8 / 2025	16 : 47 : 30	0.00	
10	30 / 8 / 2025	16 : 47 : 45	0.00	

PASS/FAIL MIN VALUE : 100 LB-IN PASS/FAIL MAX VALUE : 60.00 Lb

MIN VALUE : 0.10 MAX VALUE : 0.10 TEST UNIT :

AVERAGE VALUE : 0.10

CHECKED BY : ARAN APPROVED BY : SHUBHAM

PRINTED DATE TIME : 30 / 08 / 2025 16 : 50 : 32



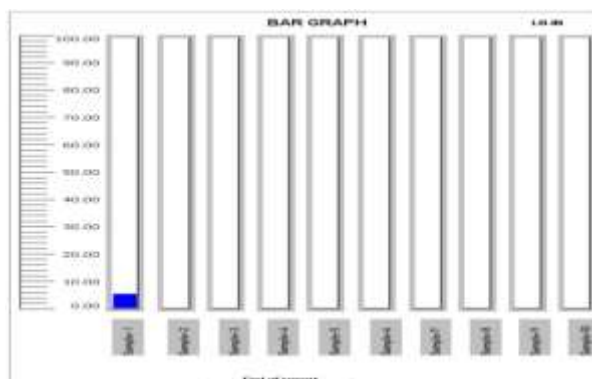
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Technical Specifications:

Max. Torque Range	50 Lb inch., 100 lb. Inch
Accuracy	± 0.50 lb. Inch (with master weight)
Least Count/Resolution	0.01 l-binch
Power	220V, Single phase, 50 Hz
Display	HMI TFT Screen
Torque Unit	lb Inch / Nm / Kg cm / N cm
Minimum Diameter for specimen holding (Cap)	10 mm
Maximum Diameter for specimen holding (Base)	160 mm
Max. height of bottle	470 mm
Anti-vibration pad	Specially designed to reduce the effect of the vibration
Software	21 CFR compliance
Multiple Logins	Yes
History	Excel, Pdf (Included Bar graph)
Safety	Acrylic Covering
Height adjustment	Telescopic Actuator for Smooth Up and down
Records	1. Audit Trail 2. Login records 3. History records
Limits of Records saving	5000 records

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Highlights:

Safety	Yes (over load protection) Physical protection- Acrylic cover from Pneumatic clamps
Data Out put (USB) Ethernet	USB option available for storing test data Time / Date / Torque / Pass / Fail status/Average/Bar graph/Full description of specimen
Material	Mild Steel
Finish	Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
Dimensions	340 mm x 650 mm x 900 mm
Calibration Kit	Inbuilt Calibration fixtures with 10 & 20 Lbs weights with A calibrator component

Thank you customers for choosing us as your partners in growth !



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OUR OTHER PRODUCTS :-

					
Box Compression Tester	Scuff Resistance Tester	Tensile Tester Digital	Spectrocolorimeter	Cobb Sizing Tester	Digital GSM Balance

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