

# MECHANICAL LABORATORY MEASUREMENT TRACEABILITY CHART

## INTERNATIONAL MEASUREMENT STANDARDS

REFERENCE STANDARDS MAINTAINED BY NATIONAL BODIES: NIMT, NMC, NPL, NIST, PTB, OTHERS

Reference Standard /  
Equipment

TORQUE TESTER

REFERENCE  
HARDNESS  
BLOCKS

LOAD CELL

GRADE E2  
STANDARD WEIGHT

FLUKE 5520A  
MULTIFUNCTION  
CALIBRATOR

PRESSURE  
CALIBRATOR

Working Standard

- TORQUE WRENCH
- TORQUE DRIVER

HARDNESS  
MACHINE

- LOAD CELL
- TENSILE MACHINE

PRECISION  
WEIGHING SCALE

TACHOMETER

PRESSURE  
GAUGE

STANDARD WEIGHT

RPM METER

- WEIGHING SCALE
- PUSH / PULL GAUGE
- TORQUE GAUGE
- TORQUE METER
- DUROMETER
- TENSION GAUGE