



TORONTECH



MANUAL TENSILE SPECIMEN GAUGE MARKING MACHINE TORONMARK™ -M400

Manual Tensile Specimen Gauge Marking Machine ToronMark™-M400 is designed and built to meet the tensile testing standards of metallic materials. Engineered for precision and efficiency, it offers a user-friendly experience and reliable performance. This device is an essential tool for laboratory testing.

APPLICATIONS

Working Principle

It rotates 360 degrees via a shaft with spiral bands, allowing the punch to move up and down at various angles. With the impact of an elastic spring, each full turn of the handle marks a straight line on the specimen. The spacing is 10 mm per mark, creating a total of 40 points over a 400 mm length.

Methods of operation

1. Place the machine on a worktable approximately 500 mm above the ground. Position the specimen in the V-slot, ensuring it is correctly aligned.
2. Use your left hand to press down on the upper bending handle while securing the specimen. With your right hand, rotate the handle in a full circle to mark the points.
3. Lift the bending handle upward, then remove the specimen to complete the marking process.
4. To accommodate different specimen diameters, adjust the bottom nut on both columns to maintain a safe distance between the punch cutting edge and the specimen.
5. Keep the two pillars and punch components well-lubricated to ensure smooth operation.
6. Handle the instrument carefully to prevent impacts that could affect the cutting-edge precision. Avoid bumping the pointed punch tip.

TECHNICAL SPECIFICATIONS

Main Technical Specifications	
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Gauge Length	400 mm
Dimensions (LxWxH)	490x200x300 mm
Weight	22 kg
Standard Configuration	
Main Unit	One
Needles QTY	40



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