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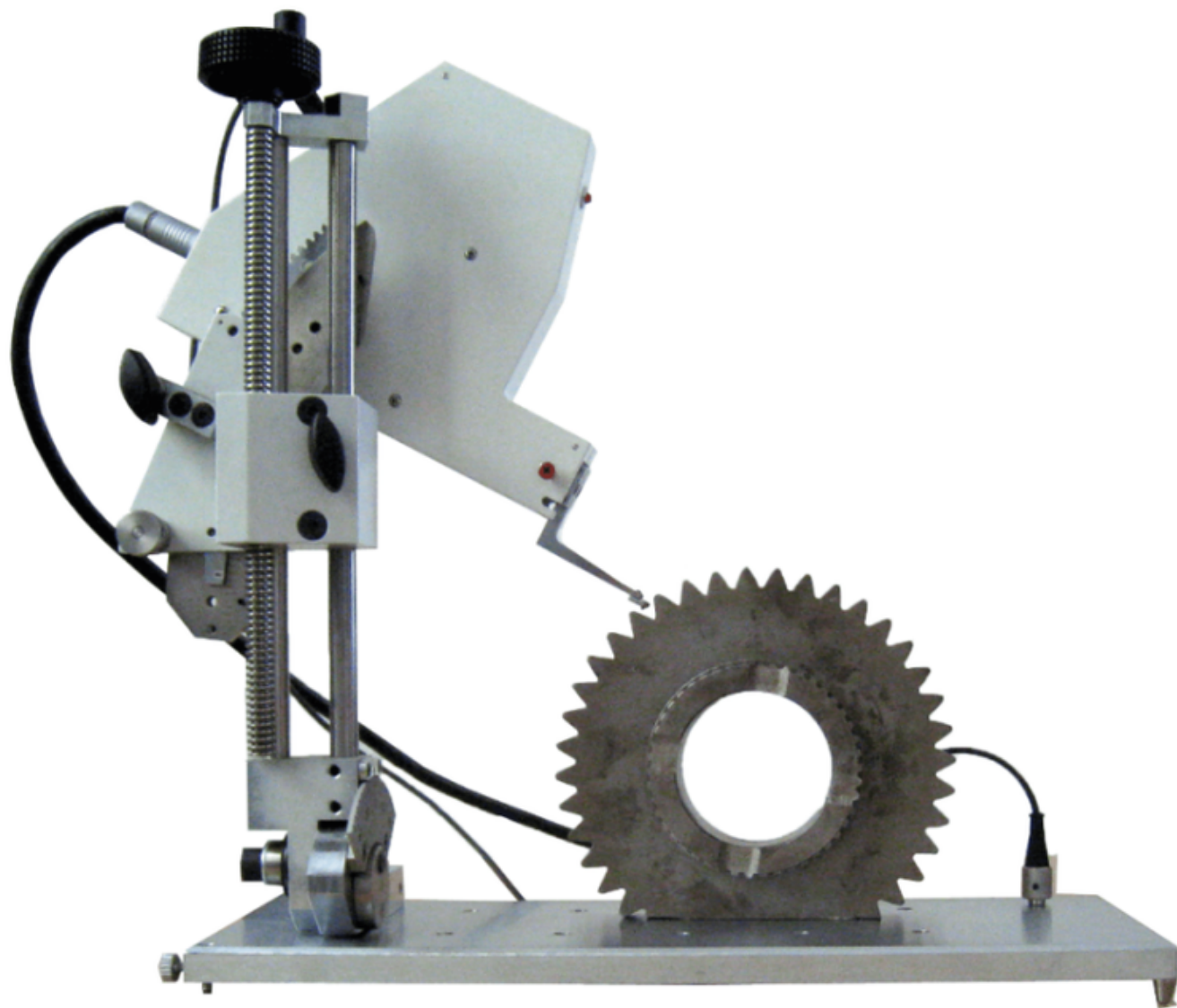
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Hardness Tester MTR X-SERIES - For Hard to Access Areas

The Hardness Tester MTR X-SERIES is perfect for testing large and small specimens, irregular shapes, interiors, gear evolvents, and difficult, until now inaccessible, points, not influenced by deflection and bending operates according to DIN 50158 standard ESATEST principle.

APPLICATIONS

Hardness Tester MTR X-SERIES Overview





Introducing the MTR X Bench Hardness Tester, an innovative device that utilizes the ESATEST® principle for hardness determination through electrical resistance measurement. This cutting-edge hardness tester addresses previously unresolved challenges in hardness control. Its unique test principle empowers users to conduct measurements in challenging or hard-to-reach areas, including internal surfaces and gear teeth.

Rest assured, We are officially authorized to supply the Esatest® MTR X along with an ACCREDITED calibration certificate (equivalent to UKAS), in compliance with DIN 50158-2 standards. Choose precision and reliability with the MTR X Bench Hardness Tester.

FEATURES

Key Advantages of the Hardness Tester MTR X-SERIES:

- 1. Innovative Testing Principle (Patented):** Revolutionize hardness testing with our cutting-edge approach, allowing for testing in previously inaccessible points compared to traditional hardness testers. Explore gears, couplings, cavities, interiors, weld seams, and heat-affected zones with unprecedented ease.

2. **Single Diamond Indenter for the Entire Metal Range:** Simplify and expedite the testing process with a single diamond indenter that caters to the entire range of metals. Experience the efficiency and speed of our testing solution.

3. **Continuous Hardness Measurement at Various Loads:** Achieve immediate evaluation of surface heat treatment with the capability for continuous hardness measurement at different loads. Utilize a single tool for diverse detections, enhancing versatility.

4. **ACCREDITATION Certification Available**

TECHNICAL SPECIFICATIONS

Hardness Tester MTR X-SERIES Technical Specifications:

Power supply	240VAC - 50/60Hz (110V is also available. Please specify when ordering)
Loads	MOD. A: 1kgf - 10 kgf MOD. B: 0,5kgf - 10kgf MOD. C: 0,2kgf - 2kgf
Norms and certifications	DIN 50158
Minimum measurable diameter	2mm exterior / 12 mm interior
Selectable functions	calibration - hardness measurement - test load - test specimen -hardness scale - materials - rod type - diamond type - language - comments - tolerances - file management - printing - statistics - hardness curve - overlapping curves - function block

Output interfaces	USB - internal Ethernet
Reading	on display 8.4" touch-screen 800px x 600px
Languages	English, Italian, German, Other languages on request
Load application method	automatic acquisition of load and resistance values in real-time
Weight	20kg 44lbs
Working principle	Patent for electrical resistance measurement (DIN 50158)
Standard scales	HV - HRC - HRB - HB30 - N/mm ² - HRF - HRD
Load time	the time of the test cycle depends on the selected load (max 12sec)
Working area dimensions	2mm x 2mm
Memory	Over 100 GB to memorize hardness values
Overall dimensions	40cm x 50cm x 30cm



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Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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