

MOTORIZED TENSILE SPECIMEN GAUGE MARKING MACHINE TORONMARK™ -E30



Motorized Tensile Specimen Gauge Marking Machine ToronMark™ -E30 is a specialized device designed for metal material tensile testing at room temperature. It features a high-precision ball screw for accurate positioning and an transducer that captures rotational signals to drive a high-frequency electromagnet for synchronized striking.

This machine ensures precise gauge length measurement with an accuracy of 0.05mm, offering efficiency and ease of operation. It is an essential instrument for laboratory testing.

APPLICATIONS

Working Principle

This equipment is powered by a micro-motor, which drives a high-precision ball screw through a belt system, enabling synchronized horizontal punch movement. With each full or half rotation of the screw, the impact needle advances 10mm or 5mm, respectively. Sensors collect signals to activate the high-frequency electromagnet, ensuring precise striking. The motor operates continuously, allowing 60 strikes at 5mm or 30 strikes at 10mm. This mechanism maintains gauge length accuracy, even if the screw's rotation speed is inconsistent.

TECHNICAL SPECIFICATIONS

Technical Specifications	
Control methods	Power-driven
Max. gauge length	300mm
Interval	5mm or 10mm (adjustable)
Striking point each time	Single

Technical Specifications	
Motor Power	10W
Marking accuracy	0.05mm
Dimensions	460x315x450mm
Package size	590x450x530mm
Net Weight	38Kg
Gross Weight	55kg (Each package box may be slightly different ± 2 kg)



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