FOERSTER

SONO STANDS

Measuring Stands for Greater Accuracy and Repeatability

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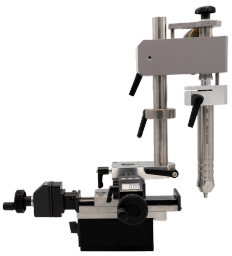


Improve Every Measurement. The SONODUR Stands are designed to increase measurement accuracy and repeatability during UCI hardness testing. By guiding the measuring probe and minimizing operator influence, they provide consistent testing conditions while preserving the flexibility of mobile hardness testing.

Whether used for routine inspections, defined measurement sequences or specialized applications, the stands enable precise positioning of measuring points and significantly improve measurement reproducibility. Depending on the application, they support handheld or motorized UCI probes and provide reliable hardness testing for flat, curved and cylindrical components.

From universal measuring tasks to weld seam inspections and fully operator-independent measurements, the SONODUR stand portfolio offers the right solution for virtually every testing requirement.

YOUR ADVANTAGES AT A GLANCE

Higher measurement accuracy: Guided probe movement reduces operator influence and improves repeatability.

Precise positioning: Enables accurate placement of measuring points, even for complex measuring tasks.

Optimized for mobile hardness testing: Combines improved measurement quality with the flexibility of the SONODUR system.

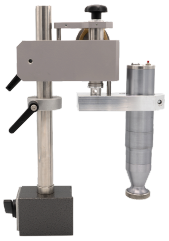
Solutions for every application: Universal stands, positioning systems and dedicated stands for special geometries cover a wide range of testing requirements.

Supports handheld and motorized probes: Depending on the stand, compatible with SONO H and SONO M measuring probes.

Robust industrial construction: Designed for reliable operation in laboratories, production environments and field applications.

SONO MS 1 (M)

Operator-independent, highly accurate and flexible precision tripod



Precision tripod with magnetic base for UCI probes. The MS 1 (M) tripod enables flexible handling of a wide variety of measuring tasks with ease. The integrated magnetic base can be easily attached to many component geometries, even laterally or overhead.

The geometry and simple design of the stand allow precise, repeatable and economical measurements.

The measuring stand is suitable for probes of the SONO H and SONO M series.

YOUR ADVANTAGES AT A GLANCE

Guided measurement: Guided measurement minimizes operator dependency

High repeatability: Very high repeatability of measured values due to stable design

Flexible handling: High flexibility due to the magnetic base

Versatile applications: For measuring on tubes, hard-to-reach components or for measurements at different locations

2-in-1 concept: Possible for SONO H and SONO M probes

TECHNICAL INFORMATION

MOUNTING:	Magnetic base
MAX. MEASUREMENT HEIGHT:	60 mm (SONO H10 | H50 | H100)
MAX. MEASUREMENT HEIGHT:	140 mm (SONO M1 | M3 | M8)
ADDITIONAL FEATURES:	Magnetic base for easy and flexible handling

SONO MS 2 (M)

The all-rounder among tripods - adjustable, highly accurate and highly flexible

Movable, precision measuring tripod with magnetic base for UCI probes. The MS 2 stand allows flexible handling on a wide variety of measurement tasks. The integrated magnetic base can be easily attached to many component geometries. The precisely manufactured and adjustable slides offer highly accurate positioning of the probes. The digital measurement displays are easy to read.

Unit display in mm, inch and number of revolutions available. Relative as well as absolute measurements can be selected. The geometry and simple design of the stand allow precise, repeatable and highly accurate measurements.

YOUR ADVANTAGES AT A GLANCE

Guided measurement: Guided measurement minimizes operator influences

Defined positioning: Defined positioning due to movable slides with high-precision, digital measuring system

High repeatability: Very high repeatability of measured values due to stable design

Flexible handling: High flexibility due to the magnetic base

Versatile applications: For measuring on a wide variety of component shapes or for measurements at different locations

2-in-1 concept: Possible for SONO H and SONO M probes

TECHNICAL INFORMATION

MOUNTING:	Magnetic base
MAX. TRAVEL X-AXIS:	75 mm
MAX. TRAVEL X-AXIS:	25 mm
MAX. MEASUREMENT HEIGHT:	120 mm (SONO H10 | H50 | H100)
MAX. MEASUREMENT HEIGHT:	195 mm (SONO M1 | M3 | M8)
MEASURING DISPLAY:	Digital
MEASURING UNIT:	Metric | inch | number of revolutions
MEASURING POSITION:	Absolute | relative
ADDITIONAL FEATURES:	— Clamping lever to fix the linear guide in X & Y — Option for 2 measuring head positions — Replaceable wear parts — Magnetic base for easy and flexible handling

SONO PS 1

Measurement tasks with small installation space and when precisely checking the probe calibration

Precision measuring stand with magnetic base for UCI probes. The PS 1 stand provides a stable and accurate support for small or thin components due to the integrated, ground support plate. Likewise, hardness comparison plates can be excellently positioned and/or coupled on the support plate.

The geometry and simple design of the stand allows for accurate, repeatable and economical measurements.

The measuring stand is suitable for probes of the SONO H assemblies.

YOUR ADVANTAGES AT A GLANCE

Guided measurement: The guided measurement minimizes operator influences

High repeatability: Very high repeatability of measured values due to stable design

Probe calibration & small, thin components: For doublechecking the probe calibration and measuring small or thin components

TECHNICAL INFORMATION

MOUNTING:	4 × screw shoes
MAX. MEASUREMENT HEIGHT:	120 mm (SONO H10| H50| H100)
ADDITIONAL FEATURES:	Ground support plate for best possible measurement position

SONO PS 2

Operator-independent precision stand for semi-automatic hardness testing

Precision stand for SONO M motor probes. The SONO PS 2 stand is designed for hardness testing on thin-walled tubes, components with high surface quality and coated gravure cylinders. Its stable construction enables highly repeatable measurements, while the semi-automatic measuring process minimizes operator influence.

The integrated handle allows easy positioning of the tripod on the test object. The display angle can be adjusted using the grid locking mechanism for optimal readability during measurement.

YOUR ADVANTAGES AT A GLANCE

Semi-automatic measurement: Minimizes operator dependency and ensures highly repeatable measurement results

Stable construction: Enables very high repeatability of measured values

Integrated carrying handle: Simplifies positioning on the test material

Grid locking mechanism: Allows optimal adjustment of the display angle

Flexible application: Ideal for thin-walled tubes and high-quality surfaces

TECHNICAL INFORMATION

MOUNTING:	Manual positioning with integrated carrying handle
APPLICATION:	Thin-walled tubes, high-quality surfaces and coated gravure cylinders
ADDITIONAL FEATURES:	Grid locking mechanism for optimal display angle

FOERSTER

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