

NEW PRODUCT INFORMATION

S-Drive Unit for Surftest SJ-201/301 with Transverse Tracing



Just put on the crankshafts.
The new transverse tracing S-drive unit can quickly measure the surface roughness in the axial direction. Transverse tracing function facilitates the surface roughness measurement of narrow spaces heretofore difficult for conventional unit with longitudinal tracing.



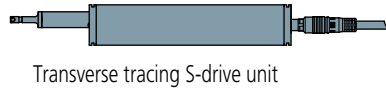
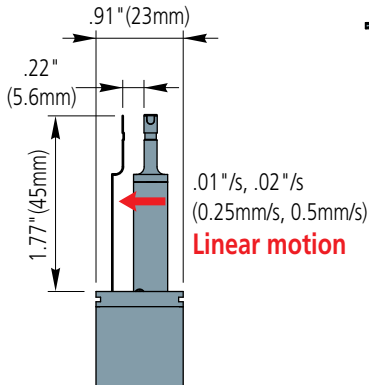
Combination with a digital height gage and height gage adapter offers more flexibility in positioning.
Photo: Measuring a wire-cut machined surface in orthogonal direction.

Mitutoyo
Precision is our Profession

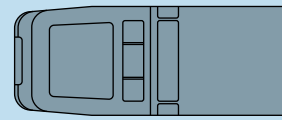
Technical Data

Transverse tracing S-drive unit

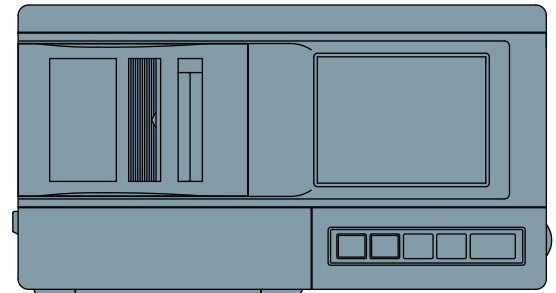
- Traverse range: .22" (5.6mm)
- Traversing speed: .01" (0.25mm)/s, .02" (0.5mm)/s, Linear motion



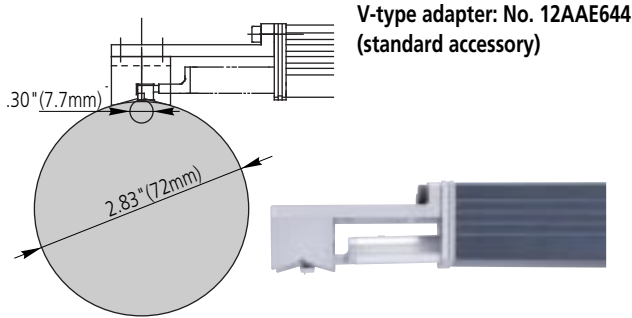
The new transverse tracing S-drive unit is designed to be compatible with the conventional drive unit of Surftest SJ-201P or SJ301. It can be simply connected to the display unit of Surftest SJ-201P or SJ-301.



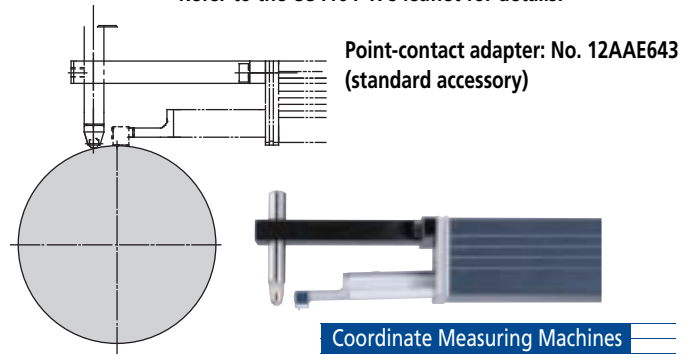
Display unit of Surftest SJ-201P
Refer to the US4152-178 leaflet for details.



Display unit of Surftest SJ-301
Refer to the US4164-178 leaflet for details.



V-type adapter: No. 12AAE644
(standard accessory)



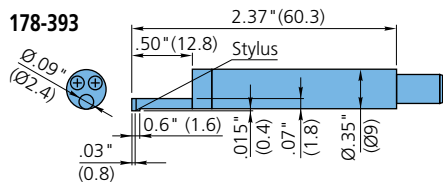
Point-contact adapter: No. 12AAE643
(standard accessory)

Order No.

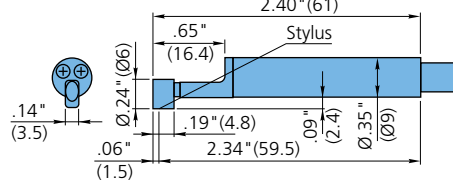
Order No.	Drive unit	Detector	Display unit	Roughness specimen	Adapter
178-234	S-drive unit	-----	-----	-----	V-type, Point-contact

The following conventional detectors are also available.

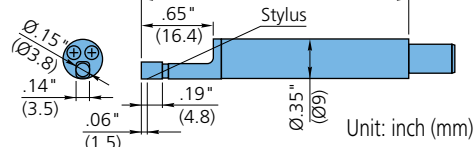
- **178-390:** Standard detector (5 μ m stylus tip radius, 14mN)
 - **178-395:** Low-pressure detector (2 μ m stylus tip radius, 0.75mN)
 - **178-391:** Detector for soft materials (10 μ m stylus tip radius)
 - **178-392:** Detector for small holes (min. hole dia.: .18"/4.5mm)
 - **178-393:** Detector for small holes (min. hole dia.: .11"/2.8mm)
- Note:** 178-394 deep groove detector is not available.



178-390, 178-395, 178-391



178-392



Note: All information regarding our products, and in particular the illustrations, drawings, dimensional and performance data contained in this pamphlet, as well as other technical data are to be regarded as approximate average values. We therefore reserve the right to make illustrations of the responding designs, dimensions and weights. The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. In addition, the latest applicable version of our General Trading Conditions will apply. Only quotations submitted by ourselves may be regarded as definitive.

Coordinate Measuring Machines	-----
Vision Measuring Systems	-----
Surface Roughness, Form and Contour Measurement	-----
Digital Scale and DRO Systems	-----
Optical Measuring Machines	-----
Sensor Systems	-----
Hardness Measuring Machines	-----
Small Tool Instruments and Data Management	-----

Mitutoyo America Corporation

www.mitutoyo.com

M³ Solution Center

Michigan
(734) 459-2810

Massachusetts
(978) 692-8765

Illinois
(630) 978-5385

Indiana
(317) 577-6070

California
(626) 961-9661

No. Carolina
(704) 875-8332

Mitutoyo

Precision is our Profession