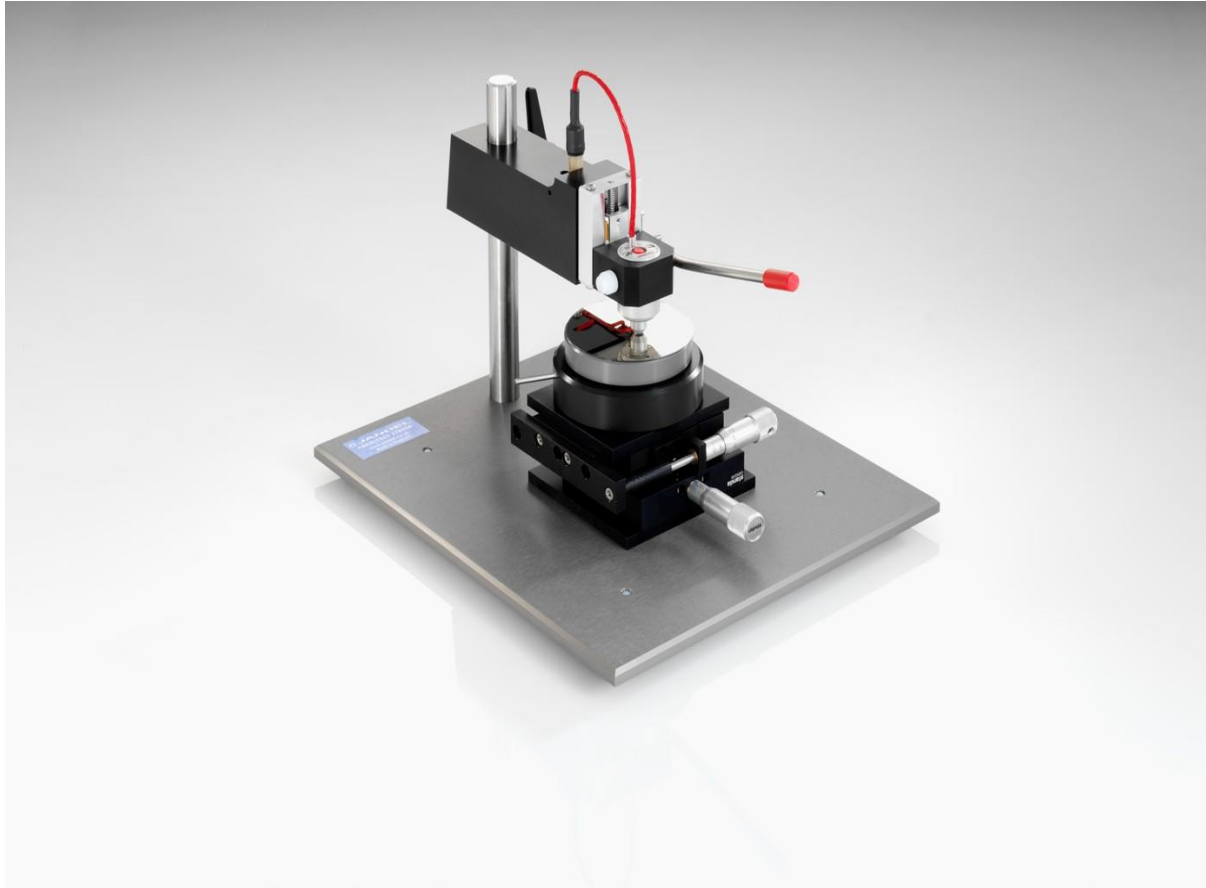


Multiheight Microposition Probe Stand

 **JANDEL**



It consists of a hard anodised aluminium base 250mm wide, 290mm deep and 8mm thick. A column of stainless steel with a 19mm diameter and a height of 200mm secured to the base, supports the probe head raising and lowering mechanism, which incorporates the vertical slide, and operates lever shaft and micro-switch. The vertical slide carries the probe-head, secured by a clamp screw. The probe-head is placed so that the micro-switch does not transmit current until the contact between the probes is up. Lost motion switches the current off before the probes are raised. The probe arm is very flexible on the vertical shaft, being adjustable to various heights in order to allow probing onto either flat, large or thick materials. For example, a thermal chuck or a shallow dish containing LN2 could be positioned on the base plate and the arm could be adjusted to permit the probe to be lowered onto a sample either submerged in liquid nitrogen or situated upon the heated stage. The Multi Height probe can facilitate the measurement of wafers or larger materials up to 10" x 10" (or with a 12" x 12" working area for the same price), ingots, and materials that are up to 6" in height. A longer post option allows the measurements of even taller materials. The Multi Height Probe provides one Cylindrical probe head included.

Multiheight Microposition Probe Stand

Max. sample size	Samples up to 250mm diameter (300mm option at no extra cost)
Max. sample thickness	Samples up to 250mm high can be measured (higher on
Microswitch	Prevents current flow when probe is not in contact with the
Manual Control	Simple lever operation for probe contact and removal
Simple set up	Single wire connects the probe stand and electronics
X-Y Stage	Offers micrometer controlled manipulation of small samples
Automation	Optional automated z-motion is available

System Configuration

Component parts:

A. Measurement Base - 1pc

B. Multiheight assembly - 1pc C.

Multiheight Column - 1pc D. Four point

probe head - 1pc E. Connecting cable -

1pc

F. Micrometer table - 1pc

System Footprint

A. Multiheight Base: 250mm W x 290mm L x 8mm H (320mm x 370mm x 8mm option) B. Multiheight Probe assembly: 60mm W x 280mm L x 80mm H (60mm x 330mm x 80mm option)

C. Multiheight Column: 19mm diameter, 200mm L (up to 1m on request)

Type	Tip R	Force	Spacing
A	40u	100g	1mm
B	100u	100g	1mm
C	200u	100g	1mm
D	500u	70g	1mm
E	40u	200g	1.591mm
F	40u	100g	0.635mm
G	100u	100g	0.635mm
H	200u	100g	0.635mm

Type A-D and F-H are user adjustable in the range 60g-150g and supplied at value shown

