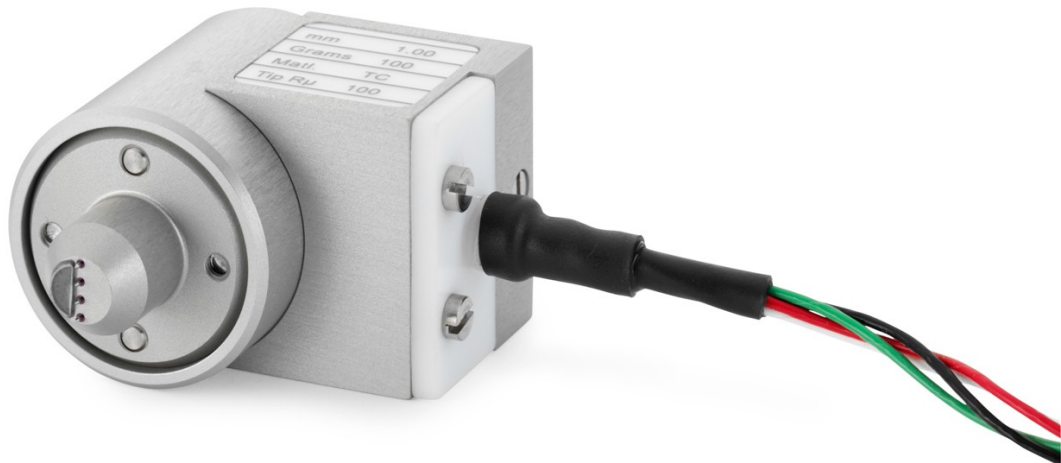


## Cartridge with lead Probe Head

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 **JANDEL**



**Jandel Engineering Limited** manufactures the Cartridge with lead probe for use on customer's own equipment, some Veeco equipment, or where an A&M Fell style probe has previously been used.

Some Veeco equipment requires a differently shaped probe (Compact Probe). Please let us know if you are unsure which probe you require.

All Jandel probes are built to a high level of mechanical accuracy. Specifications for radii, spacing and planarity are verified by video inspection system and optical interferometer. Loads are verified by electronic force gauge. Each probe has upper and lower jeweled needle guides.

## Cartridge with lead Probe Head

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<i><b>Probe spacing</b></i>	<b>0.500mm, 0.635mm, 1.00mm, 1.27mm, 1.591mm (needle to needle)</b>
<i><b>Tolerance</b></i>	<b>+/- 10 microns</b>
<i><b>Arrangement</b></i>	<b>Linear or square array</b>
<i><b>Needles</b></i>	<b>Tungsten carbide 0.4mm diameter</b>
<i><b>Needle option</b></i>	<b>50% Osmium alloy tips are available</b>
<i><b>Radii</b></i>	<b>12.5, 25, 40, 100, 150, 200, 300, 500 microns</b>
<i><b>Retraction to pad</b></i>	<b>0.5mm</b>
<i><b>Planarity</b></i>	<b>+/- 0.025mm or better</b>
<i><b>Loads</b></i>	<b>Fixed load between 10g-250g</b>
<i><b>Electrical leakage</b></i>	<b><math>10^{13}</math> ohms resistance between needles at 500 volts</b>

***If you require any further information on Cartridge with Lead please do not hesitate to contact us using the details below***