

# Jandel Engineering Limited



## Miniature cartridge probe head with positioning key

**Jandel Engineering Limited** manufactures the miniature cartridge probe head with positioning key for use on older Napson and Kokusai equipment.

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 jewelled needle guides.

Probe spacing	0.635mm, 1.00mm, 1.591mm (needle to needle)
Tolerance	+/- 10 microns
Arrangement	Linear or square array
Needles	Tungsten Carbide 0.4mm diameter (0.3mm diameter for close spacing)
Radii	12.5, 25, 40, 100, 150, 200, 300, 500 microns
Retraction to pad	0.5mm
Planarity	+/- 0.025mm or better
Loads	Fixed between 10g and 200g
Electrical leakage	$10^{13}$ ohms resistance between needles at 500 volts

*If you require any further information on the Jandel miniature cartridge probe with positioning key, please do not hesitate to contact us using the details below.*