

PLJ

Precision Lapping Jigs

Logitech PLJ Precision Lapping Jigs are used to hold multiple “wafer geometry” or slide mounted specimens, while they are being processed on a Logitech precision lapping machine.

The jigs allow specimens to be lapped with a high degree of parallelism. The different jig chuckfaces enable you to hold a wide variety of specimen sizes, to meet the needs of your particular application.

Precision Control

PLJ2 and PLJ7 Jigs can be used for a variety of applications where the requirement is to produce a highly uniform specimen with a precisely controlled final thickness. Due to their robust construction, they are suitable for both production and research environments.

Typical applications for the use of a PLJ jig include:

- Production of Thin Rock Sections with a PLJ2
- Production of Large Format Thin Sections with a PLJ7
- Backlapping of Silicon Wafers

PLJ jigs can also be used for routine lapping of optical components, polymers and calcified tissue sample preparation.

Jig Capability

A PLJ2 Jig can accommodate wafers of up to 102mm (4”) diameter, which can be lapped to produce parallelism and finished thickness control to within 2 microns.

PLJ7 jigs will accept wafers of up to 150mm (6”) in diameter. The jigs will also accept multiple specimens of smaller sizes.



Logitech PLJ7 jig with thin section samples.



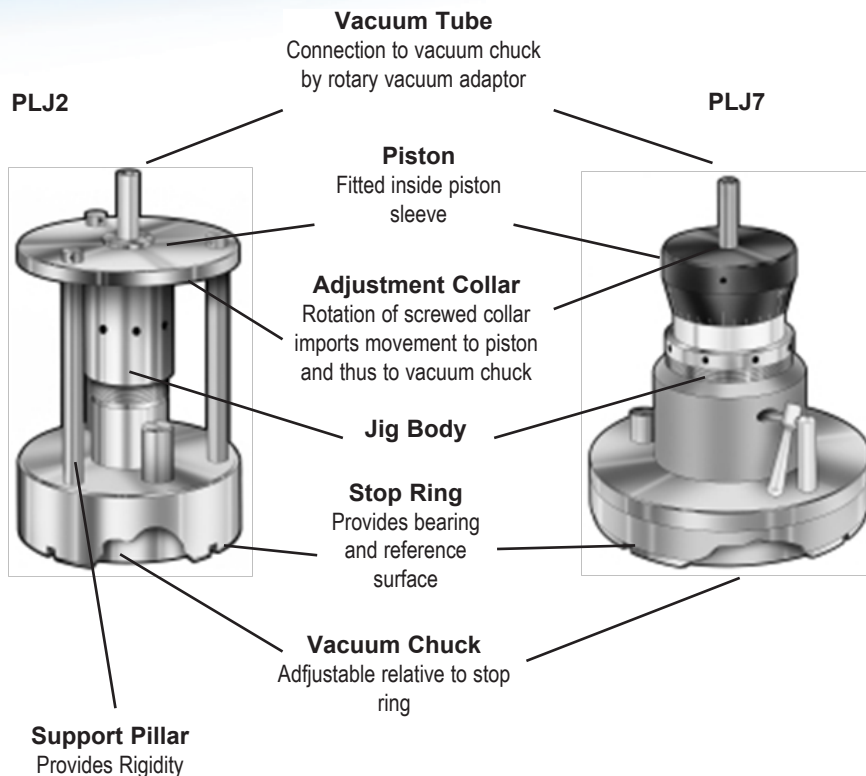
- Precise thickness control & automatic parallelism
- Vacuum chuck sample location
- Preset process shutdown
- Precision & versatility
- Large format capability (PLJ7)



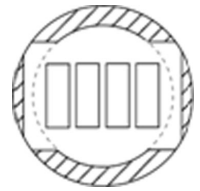
Logitech LP50 Lapping & Polishing System with a PLJ2 jig.

Accessories, Components & Consumables

A comprehensive range of accessories, components and consumables are available to support these systems, enabling optimum results and longevity of the machines. A selection of supporting products can be found below, for a more comprehensive listing please go to www.logitech.uk.com



PLJ2a accepts:
 four slides each 25 x 75mm
 OR
 two slides each 50 x 75mm
 OR
 one slide 75 x 110mm



PLJ2c accepts:
 six slides each 28 x 48mm
 OR
 two slides each 25 x 75mm
 OR
 one slide 75 x 110mm plus
 three slides each 28 x 48mm

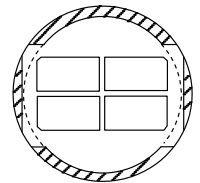


PLJ2f accepts:
 six slides each 30 x 45mm
 OR
 one slide each 45 x 60mm
 OR
 one slide 60 x 90mm plus
 two slides each 30 x 45mm



The PLJ7 has one standard chuckface

PLJ7 accepts:
 one slide 100 x 150mm
 OR
 four slides each 50 x 75mm



Technical Specifications:

PLJ2 Precision Lapping Jig

Net weight	5.5kg
Height:	208mm (8.2")
Outside diameter:	127mm (5.0")
Maximum Specimen Size:	As chuckface pattern
Maximum Specimen Diameter:	102mm (4")
Achievable Parallelism:	2microns over 102mm (4")
Thickness Control:	± 2microns

PLJ7 Large Format Lapping Jig

Net weight	12kg
Height:	231mm (9.1")
Outside diameter:	188mm (7.4")
Maximum Specimen Size:	152 x 102mm (6 x 4")
Maximum Specimen Diameter:	167mm (6.6")
Achievable Parallelism:	4 microns over 152mm (6")
Thickness Control:	± 2microns

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