

## VCB2 & VCB7

### Vacuum Chuck Mounting Blocks

The Logitech Vacuum Chuck Mounting Blocks provide an ideal means of holding specimens for polishing operations where no thickness control or angular adjustment is required.

#### Precision Polishing

The VCB2 and VCB7 are precisely engineered vacuum chucking facilities. A choice of chuck face patterns enables slide mounted samples or wafer material to be held securely by vacuum.

In order to provide control over polishing speed across different material types and using different polishing media, nine 0.35kg loading weights are supplied with the jig (0.47kg for VCB7). An additional 3.5kg weight can be used if required.

The VCB2 is available with a number of different chuck face patterns and accommodates samples of up to 100mm in diameter or multiple smaller samples.

The VCB7 is a larger version that holds large format geological thin sections (150x100mm), or a large number of smaller slides for polishing. It will also accommodate 150mm diameter semiconductor wafers.

The sample is held on the chuck face by a vacuum, which permits ease and speed of mounting and demounting of the sample. The vacuum is fed to the chuckface by means of a vacuum tube in the middle of the jig. A rotary vacuum adaptor sits on top of this tube ensuring that the jig is always free to turn, providing a smooth polishing action.

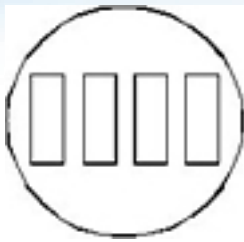


- *Vacuum chuck sample location*
- *Variable additional load of up to 6.5kg or 8kg*
- *Thin section polishing*
- *Wafer planarisation*

#### Applications

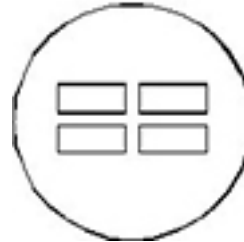
Vacuum Chuck Mounting Blocks are excellent for polishing thin sections, including soils, coals, palaeontological specimens, rocks, concretes, cements, etc.

They are also ideal for wafer planarisation in which a small amount of material is polished from partially or fully fabricated wafers to remove surface irregularity.



**VCB2a**

Four slides each 25x75mm  
Two slides each 50x75mm  
One slide at 75x110mm  
Catalogue number 1VCB1



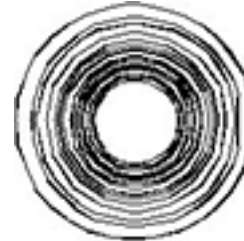
**VCB7**

One slide at 100x150mm  
Four slides each 50x75mm  
Catalogue number 1VCB72



**VCB2c**

Six slides each 28x48mm  
Two slides each 25x75mm  
plus three slides each 50x75mm  
One slide at 50x75mm  
plus three slides each 28x48mm  
Catalogue number 1VCB2



**VCB7**

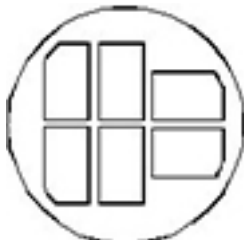
One 150mm diameter wafer  
Catalogue number 1VCB7

**VCB5**

One 100mm diameter wafer  
Catalogue number 1VCB5

**VCB6**

One 75mm diameter  
Catalogue number 1VCB6



**VCB2f**

Six slides each 30x45mm  
Three slides each 45x60mm  
One slide 60x90mm plus two slides  
each 30x45mm  
Catalogue number 1VCB3

**Selected Vacuum Chucks for VCB2 & VCB7**

(other patterns available on request)

Vacuum chuckfaces can be manufactured to specific sizes

**Technical Specifications:**

**Slide Capacities:**

Sample size	VCB2 capacity	VCB7 capacity
28x48mm	6	14
30x45mm	6	9
25x75mm	4	10
45x60mm	3	5
50x75mm	2	4
60x90mm	1	2
75x110mm	1	+
100x150mm	–	1
25mm diameter	8	–
100mm diameter	1	–
150mm diameter	–	1

**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](http://www.logitech.uk.com)

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Certificate No. [FM12025](#)