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Knight Optical offers an optical flat reconditioning and certification service to repair optical flats that have become cloudy or otherwise damaged through normal use.

In most cases reconditioning the part is more cost effective than replacing it and reconditioning work can typically be undertaken with short notice. It is generally not cost effective to recondition flats smaller than 100mm diameter and in most cases we will be able to replace the flat fully at an equivalent cost. See below for a list of prices for reconditioning our stock range of optical flats, both Quartz and Zerodur types.

Our prices are based on typical reconditioning work and are subject to change based on the condition of the optical flat. Once we have received your part for inspection we will provide you with a full written quotation before we proceed with any work. We also offer on request high quality optical flat boxes at competitive prices designed to store your product safely and securely both in the laboratory and elsewhere.

Where flats have been excessively damaged and are unsuitable for reconditioning we will contact you and endeavour to find an effective solution to suit your application. See the "How it works" tab below or contact our experienced technical sales team and discover how Knight Optical's optical flat reconditioning service offers a cost effective alternative to replacing expensive parts.

Optical flat reconditioning	Nominal Size (mm)	No. sides	Flatness (waves)	Reconditioning Price
Optical flat 100mmdia-Single sided Lambda/4	100	Single	L/4	£132.00
Optical flat 100mmdia-Single sided Lambda/8	100	Single	L/8	£144.00
Optical flat 100mmdia-Single sided Lambda/16	100	Single	L/16	£175.00
Optical flat 100mmdia-Double sided Lambda/4	100	Double	L/4	£147.00
Optical flat 100mmdia-Double sided Lambda/8	100	Double	L/8	£160.00
Optical flat 100mmdia-Double sided Lambda/16	100	Double	L/16	£188.00
Optical flat 125mmdia-Single sided Lambda/4	125	Single	L/4	£168.00
Optical flat 125mmdia-Single sided Lambda/8	125	Single	L/8	£189.00
Optical flat 125mmdia-Single sided Lambda/16	125	Single	L/16	£244.00
Optical flat 125mmdia-Double sided Lambda/4	125	Double	L/4	£189.00
Optical flat 125mmdia-Double sided Lambda/8	125	Double	L/8	£210.00
Optical flat 125mmdia-Double sided Lambda/16	125	Double	L/16	£264.00

Optical flat 150mmdia-Single sided Lambda/4	150	Single	L/4	£297.00
Optical flat 150mmdia-Single sided Lambda/8	150	Single	L/8	£347.00
Optical flat 150mmdia-Single sided Lambda/16	150	Single	L/16	£391.00
Optical flat 150mmdia-Double sided Lambda/4	150	Double	L/4	£330.00
Optical flat 150mmdia-Double sided Lambda/8	150	Double	L/8	£381.00
Optical flat 150mmdia-Double sided Lambda/16	150	Double	L/16	£424.00
Optical flat 200mmdia-Single sided Lambda/4	200	Single	L/4	£382.00
Optical flat 200mmdia-Single sided Lambda/8	200	Single	L/8	£430.00
Optical flat 200mmdia-Single sided Lambda/16	200	Single	L/16	£597.00
Optical flat 200mmdia-Double sided Lambda/4	200	Double	L/4	£423.00
Optical flat 200mmdia-Double sided Lambda/8	200	Double	L/8	£472.00
Optical flat 200mmdia-Double sided Lambda/16	200	Double	L/16	£845.00
Optical flat 250mmdia-Single sided Lambda/4	250	Single	L/4	£451.00
Optical flat 250mmdia-Single sided Lambda/8	250	Single	L/8	£514.00
Optical flat 250mmdia-Single sided Lambda/16	250	Single	L/16	£887.00
Optical flat 250mmdia-Double sided Lambda/4	250	Double	L/4	£506.00
Optical flat 250mmdia-Double sided Lambda/8	250	Double	L/8	£568.00
Optical flat 250mmdia-Double sided Lambda/16	250	Double	L/16	£943.00
Optical flat 300mmdia-Single sided Lambda/4	300	Single	L/4	£811.00
Optical flat 300mmdia-Single sided Lambda/8	300	Single	L/8	£888.00
Optical flat 300mmdia-Double sided Lambda/4	300	Double	L/4	£881.00
Optical flat 300mmdia-Double sided Lambda/8	300	Double	L/8	£970.00
Optical flat 400mmdia-Single sided Lambda/2	400	Single	L/2	£2,145.00
Optical flat 400mmdia-Double sided Lambda/2	400	Double	L/2	£3,056.00

Optical flat re-certification

Recertification of optical flats < 150mm diameter	£60.00
Recertification of optical flats 150-300mm diameter	£120.00
Recertification of optical flats > 300mm diameter	£200.00