LASEROPTIK

Beschichtungen
und Spiegelsubstrate

High power
coatings and optics

Laseroptik GmbH / Horster Straße 20 / D-30826 Garbsen

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Quotation no. A19-1150-001

Date 22.11.2019

Your inquiry EMAIL / 28.10.2019
Customer no. 12123

Dear Mr. Fernández Galiana,
Thank you very much for your inquiry and your interest in our products. We are pleased to offer as follows:

Line	Part / Item	Qty	Unit price	Total EUR
	Coatings on customer owned substrates			
	A set of CMQS mirrors "M1", consisting of:			
1	**B-16874** **HT532nm R94%1064nm/0°** IBS coating 532nm: R<1% (goal: R<0.5%) 1064nm: R=94% ±0.5%	**1,00 run**	1.390,00	1.390,00
2	**B-06369-04** **AR532nm+1064nm/0°** IBS coating R<0.1%	**1,00 run**	850,00	850,00
3	**K-03663** **FS Ø12,7x6,35mm** plano-concave r1 = -50 mm, Wedge: <5' super polished substrates with RMS<0,1nm	**4,00 U**		
	HR for concave, AR for plane surfaces			

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Line	Part / Item	Qty	Unit price	Total EUR
	A set of CMQS mirrors "M2-M4" consisting of:			
4	**B-09878-03** **HR532nm R99.95%1064nm/0° lowest losses** IBS-coating: 532nm: R>99.99% 1064nm: R=(99.95+-0.02)%	**1,00 run**	2.610,00	2.610,00
5	**B-06369-04** **AR532nm+1064nm/0°** IBS coating R<0.1%	**1,00 run**	850,00	850,00
6	**K-03663-01** **FS Ø12,7x6,35mm** plano-concave r1 = -25 mm, Wedge: <5' super polished substrates with RMS<0,1nm	**4,00 U**		
	HR for concave, AR for plane surfaces			
	A set of CMQS mirrors "M3", consisting of:			
7	**B-16875** **R89%532nm R96%1064nm/0°** IBS-coating 532nm: R=(89+-1)% 1064nm: R=(96+-0.5)%	**1,00 run**	1.740,00	1.740,00
8	**B-06369-04** **AR532nm+1064nm/0°** IBS coating R<0.1%	**1,00 run**	850,00	850,00
9	**K-03663-01** **FS Ø12,7x6,35mm** plano-concave r1 = -25 mm, Wedge: <5' super polished substrates with RMS<0,1nm	**2,00 U**		
	HR for concave, AR for plane surfaces			

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Line	Part / Item	Qty	Unit price	Total EUR
	A set of lenses "L1-L6-L10", consisting of:			
10	**B-06369-04** **AR532nm+1064nm/0°** IBS coating R<0.1%	**2,00 run**	850,00	1.700,00
11	**K-03663** **FS Ø12,7x6,35mm** plano-concave r1 = -50 mm, Wedge: <5' super polished substrates with RMS<0,1nm	**6,00 U**		
	Dichroics "DBS1-DBS5", consisting of:			
12	**B-13873-02** **HT532nm HR1064nm/43-47°s** IBS-coating 532nm: Rs<1% (target: Rs<0.25%) 1064nm: Rs>99.99%	**1,00 run**	2.560,00	2.560,00
13	**B-11905** **AR532nm+1064nm/45°s** IBS coating Rs<0.2%, Rp<2%	**1,00 run**	750,00	750,00
14	**K-03660-01** **FS Ø12,7x4mm** plane Wedge: <5' super polished, roughness <0.1nm rms	**7,00 U**		
	Beam splitters "BS3" and "BS6", consisting of:			
15	**B-16124-01** **R90%1064nm/45°s** IBS-coating Ts=10%±1%	**1,00 run**	1.100,00	1.100,00
16	**B-11905** **AR532nm+1064nm/45°s** IBS coating Rs<0.2%, Rp<2%	**1,00 run**	750,00	750,00

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Line	Part / Item	Qty	Unit price	Total EUR
17	**K-03660-02** **FS Ø12,7x4mm; wedge** plane Wedge: 30' ± 5' super polished, roughness <0.1nm rms	**4,00 U**		
	AR on wedged side			
	Beam splitters “BS4”, consisting of:			
18	**B-08119-01** **T50%1064nm/45°s** IBS coating Ts±0.6%	**1,00 run**	880,00	880,00
19	**B-11905** **AR532nm+1064nm/45°s** IBS coating Rs<0.2%, Rp<2%	**1,00 run**	750,00	750,00
20	**K-03660-02** **FS Ø12,7x4mm; wedge** plane Wedge: 30' ± 5' super polished, roughness <0.1nm rms	**3,00 U**		
	AR on wedged side			
	Beam splitters “BS5”, consisting of:			
21	**B-13876** **T50%532nm/45°s** IBS coating Rs±1.2%	**1,00 run**	780,00	780,00
22	**B-11905** **AR532nm+1064nm/45°s** IBS coating Rs<0.2%, Rp<2%	**1,00 run**	750,00	750,00

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Line	Part / Item	Qty	Unit price	Total EUR
23	**K-03660-02** **FS Ø12,7x4mm; wedge** plane Wedge: 30' ± 5' super polished, roughness <0.1nm rms	**2,00 U**		
	AR on wedged side			
	Polarizing Beam Splitters "PBS1-PBS2", consisting of:			
24	**B-11324** **TFP1064nm/55.4°** IBS-coating Tp>99%, Ts<0.1%	**1,00 run**	2.890,00	2.890,00
25	**K-03660-02** **FS Ø12,7x4mm; wedge** plane Wedge: 30' ± 5' super polished, roughness <0.1nm rms	**4,00 U**		

Please note:
Due to compressive stress of the HR coating, plane substrates will become more or less convex. For 4mm thick plane mirror blanks made of fused silica, the expected radii of curvature are:
B-13873-02 (HT532nm HR1064nm/43-47°s): ~140meters
B-11324 (TFP1064nm/55.4°): ~115 meters

Order line total	21.200,00
Fixed discount	- 4.800,00
Net value of goods	16.400,00
0,00 % VAT	0,00
Total in EUR	**16.400,00**

Delivery conditions FCA Garbsen.
Shipping type Shipping via FedEx
Offer valid 3 months from quotation date
Payment terms Payment due within 10 days at a 2% discount or net amount due within 30 days.

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For tolerances see description of each item. Theoretical calculations are enclosed for all of the above coatings. If not specified there, all diagrams show transmission/reflection without consideration of the rear surface.

For customer-owned substrates, please note: If the substrates should be damaged during handling or coating or if the coating should fail, we will only provide a warranty for our labour, not for the repair or replacement of the substrates.

We deliver within about 14 weeks after an order has been placed. Customer-owned substrates need to be supplied at least 3 weeks before coating.

Delivery address for customer-owned substrates:

LASEROPTIK GmbH
Laserhof
Horster Strasse 20
30826 Garbsen
Germany

If you should have further questions or wishes, please contact us. We would be pleased to receive an order from you. This quotation is subject to our conditions of sale (available upon request).

Yours sincerely
Laseroptik GmbH

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