



AdValue Technology

Alumina Fused Quartz Sapphire Zirconia
Laser Marker & Laser Precision Machining

Your Valuable Partner in Material Science

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Notes

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AdValue Technology is a leading supplier of ceramic products, striving to serve as a long-term and value-adding partner to our customers, and help them achieve and preserve excellence and efficiency with our quality products and superior services.

Our fused quartz, alumina, zirconia and sapphire products are used in a wide range of high-temperature, chemical-resistant and wear-resistant applications. Besides many in-stock items such as tubes, crucibles, plates & discs and high purity powders, we also provide custom OEM components, precision laser machining, and metallization service. AdValue looks forward to serving your needs and being your long-term partner.

Alumina Crucibles

Alumina High Form Crucibles

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	Approx. Capacity (ml)	Top Diameter		Bottom Diameter		Height		Price
		in	mm	in	mm	in	mm	
AL-1005	5	in	mm	in	mm	in	mm	\$9.63
		0.98	25	0.59	15	1.10	28	
AL-1010	10	in	mm	in	mm	in	mm	\$10.55
		1.14	29	0.71	18	1.34	34	
AL-1020	20	in	mm	in	mm	in	mm	\$13.17
		1.38	35	0.94	24	1.65	42	
AL-1050	50	in	mm	in	mm	in	mm	\$16.14
		1.89	48	1.18	30	2.05	54	
AL-1100	100	in	mm	in	mm	in	mm	\$21.82
		2.28	58	1.38	35	2.68	68	
AL-1150	150	in	mm	in	mm	in	mm	\$29.36
		2.6	66	1.57	40	3.15	80	
AL-1250	250	in	mm	in	mm	in	mm	\$35.64
		3.11	79	1.65	42	3.66	93	
AL-1500	500	in	mm	in	mm	in	mm	\$58.55
		3.94	100	2.36	60	4.57	116	
AL-1750	750	in	mm	in	mm	in	mm	\$82.15
		4.41	112	2.76	70	5.20	132	
AL-11000	1000	in	mm	in	mm	in	mm	\$107.01
		4.92	125	3.23	82	5.83	148	
AL-12000	2000	in	mm	in	mm	in	mm	\$185.93
		6.26	159	3.54	90	6.89	175	

**Crucible covers are available upon request.*

Alumina Crucibles

Alumina Cylindrical Crucibles

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please email: sales@advaluetech.com



Catalogue Number	Approx. Capacity (ml)	Outside Diameter		Height		Price
		in	mm	in	mm	
AL-2005	5					\$9.63
		0.748	19	1.02	26	
AL-2010A	10					\$10.55
		0.98	25	0.98	25	
AL-2010B	10					\$10.55
		0.87	22	1.3	33	
AL-2050	50					\$16.14
		1.77	45	1.38	35	
AL-2100	100					\$21.82
		1.575	40	3.74	95	
AL-2250	250					\$35.64
		2.32	60	3.94	100	
AL-2500	500					\$58.55
		2.84	72	5.83	148	
AL-2750	750					\$82.15
		3.31	84	6.3	160	
AL-21000	1000					\$107.01
		4.72	120	4.72	120	
AL-22000	2000					\$185.93
		5.98	152	5.75	146	

**Crucible covers are available upon request.*

Alumina Crucibles

Alumina Rectangular Crucibles

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 please email: sales@advaluetech.com



Catalogue Number	Approx. Capacity (ml)	Length		Width		Height		Price
		in	mm	in	mm	in	mm	
AL-3027	27	in	mm	in	mm	in	mm	\$17.18
		2.13	54	1.50	38	0.79	20	
AL-3060	60	in	mm	in	mm	in	mm	\$29.04
		3.23	82	1.65	42	0.91	23	
AL-3100	100	in	mm	in	mm	in	mm	\$44.48
		2.56	65	2.56	65	1.18	30	
AL-3150	150	in	mm	in	mm	in	mm	\$59.76
		3.54	90	2.56	65	1.18	30	
AL-3800	800	in	mm	in	mm	in	mm	\$164.17
		7.95	202	4.21	107	1.97	50	

Alumina Crucibles

Alumina Round Dishes

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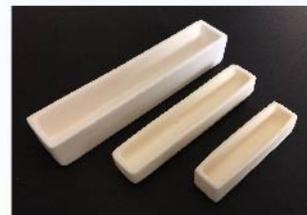


Catalogue Number	Approx. Capacity (ml)	Outside Diameter		Height		Price
		in	mm	in	mm	
AL-4035	35	1.97	50	0.98	25	\$19.53
AL-4060	60	2.72	69	0.91	23	\$26.40
AL-4120	120	3.19	81	1.18	30	\$40.33

Alumina Crucibles

Alumina Combustion Boat (without tail and hole)

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Catalogue Number	Approx. Capacity (ml)	Length		Width		Height		Price
		in	mm	in	mm	in	mm	
AL-5003	3	1.97	50	0.47	12	0.39	10	\$16.94
AL-5006	6	2.95	75	0.59	15	0.39	10	\$21.19
AL-5020	20	3.94	100	0.79	20	0.59	15	\$27.53
AL-5064	64	3.94	100	1.77	45	0.75	19	\$33.67
AL-5145	145	5.91	150	2.72	69	0.75	19	\$57.98
AL-5400	400	7.99	203	4.02	102	0.98	25	\$109.49

Alumina Single Bore Tubes (Both-Ends-Open)

Alumina Single Bore Tubes (Both-Ends-Open)

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please email: sales@advaluetech.com



Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T-N1/8-N063-12	3.1	1/8	1.6	0.063	305	12	\$5.23
AL-T-N1/4-N3/16-12	6.35	1/4	4.76	3/16	305	12	\$7.49
AL-T-N1/4-N3/16-18	6.35	1/4	4.76	3/16	458	18	\$11.19
AL-T-N1/4-N3/16-24	6.35	1/4	4.76	3/16	610	24	\$14.82
AL-T-N3/8-N1/4-12	9.53	3/8	6.35	1/4	305	12	\$22.00
AL-T-N3/8-N1/4-18	9.53	3/8	6.35	1/4	458	18	\$30.25
AL-T-N3/8-N1/4-24	9.53	3/8	6.35	1/4	610	24	\$45.10
AL-T-N1/2-N3/8-12	12.7	1/2	9.53	3/8	305	12	\$38.07
AL-T-N1/2-N3/8-18	12.7	1/2	9.53	3/8	458	18	\$57.73
AL-T-N1/2-N3/8-24	12.7	1/2	9.53	3/8	610	24	\$76.14
AL-T-N3/4-N1/2-12	19.05	3/4	12.7	1/2	305	12	\$40.73
AL-T-N3/4-N1/2-18	19.05	3/4	12.7	1/2	458	18	\$61.00
AL-T-N3/4-N1/2-24	19.05	3/4	12.7	1/2	610	24	\$81.70
AL-T-N1-N3/4-12	25.4	1	19.05	3/4	305	12	\$45.10
AL-T-N1-N3/4-18	25.4	1	19.05	3/4	458	18	\$67.74
AL-T-N1-N3/4-24	25.4	1	19.05	3/4	610	24	\$89.05
AL-T-N1-N3/4-36	25.4	1	19.05	3/4	914	36	\$137.41
AL-T-N1-N3/4-48	25.4	1	19.05	3/4	1219	48	\$181.50

Alumina Single Bore Tubes (Both-Ends-Open)

Alumina Single Bore Tubes (Both-Ends-Open)

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Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T-1N1/4-N1-12	31.75	1 1/4	25.4	1	305	12	\$52.23
AL-T-1N1/4-N1-18	31.75	1 1/4	25.4	1	458	18	\$74.94
AL-T-1N1/4-N1-24	31.75	1 1/4	25.4	1	610	24	\$102.65
AL-T-1N1/4-N1-36	31.75	1 1/4	25.4	1	914	36	\$157.09
AL-T-1N1/4-N1-48	31.75	1 1/4	25.4	1	1219	48	\$210.38
AL-T-1N1/2-1N1/4-12	38.1	1 1/2	31.75	1 1/4	305	12	\$59.04
AL-T-1N1/2-1N1/4-18	38.1	1 1/2	31.75	1 1/4	458	18	\$80.44
AL-T-1N1/2-1N1/4-24	38.1	1 1/2	31.75	1 1/4	610	24	\$116.60
AL-T-1N1/2-1N1/4-36	38.1	1 1/2	31.75	1 1/4	914	36	\$173.50
AL-T-1N1/2-1N1/4-48	38.1	1 1/2	31.75	1 1/4	1219	48	\$234.84
AL-T-1N3/4-1N1/2-12	44.45	1 3/4	38.1	1 1/2	305	12	\$65.91
AL-T-1N3/4-1N1/2-18	44.45	1 3/4	38.1	1 1/2	458	18	\$99.98
AL-T-1N3/4-1N1/2-24	44.45	1 3/4	38.1	1 1/2	610	24	\$133.10
AL-T-1N3/4-1N1/2-36	44.45	1 3/4	38.1	1 1/2	914	36	\$200.75
AL-T-1N3/4-1N1/2-48	44.45	1 3/4	38.1	1 1/2	1219	48	\$258.32
AL-T-2N-1N3/4-12	50.8	2	44.45	1 3/4	305	12	\$74.77
AL-T-2N-1N3/4-18	50.8	2	44.45	1 3/4	458	18	\$110.76
AL-T-2N-1N3/4-24	50.8	2	44.45	1 3/4	610	24	\$144.47
AL-T-2N-1N3/4-36	50.8	2	44.45	1 3/4	914	36	\$226.59
AL-T-2N-1N3/4-48	50.8	2	44.45	1 3/4	1219	48	\$292.92

Alumina Single Bore Tubes (Both-Ends-Open)

Alumina Single Bore Tubes (Both-Ends-Open)

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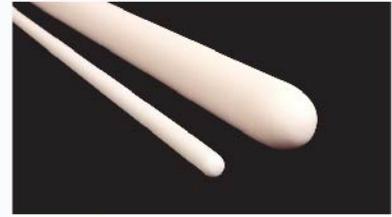


Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T-2N1/4-2N-12	57.15	2 1/4	50.8	2	305	12	\$88.35
AL-T-2N1/4-2N-18	57.15	2 1/4	50.8	2	458	18	\$119.49
AL-T-2N1/4-2N-24	57.15	2 1/4	50.8	2	610	24	\$165.64
AL-T-2N1/4-2N-36	57.15	2 1/4	50.8	2	914	36	\$271.89
AL-T-2N1/4-2N-48	57.15	2 1/4	50.8	2	1219	48	\$349.40
AL-T-2N1/2-2N1/4-12	63.5	2 1/2	57.15	2 1/4	305	12	\$98.23
AL-T-2N1/2-2N1/4-18	63.5	2 1/2	57.15	2 1/4	458	18	\$148.50
AL-T-2N1/2-2N1/4-24	63.5	2 1/2	57.15	2 1/4	610	24	\$192.93
AL-T-2N1/2-2N1/4-36	63.5	2 1/2	57.15	2 1/4	914	36	\$295.91
AL-T-2N1/2-2N1/4-48	63.5	2 1/2	57.15	2 1/4	1219	48	\$381.07
AL-T-2N3/4-2N1/2-12	69.85	2 3/4	63.5	2 1/2	305	12	\$103.10
AL-T-2N3/4-2N1/2-18	69.85	2 3/4	63.5	2 1/2	458	18	\$153.70
AL-T-2N3/4-2N1/2-24	69.85	2 3/4	63.5	2 1/2	610	24	\$202.13
AL-T-2N3/4-2N1/2-36	69.85	2 3/4	63.5	2 1/2	914	36	\$308.65
AL-T-2N3/4-2N1/2-48	69.85	2 3/4	63.5	2 1/2	1219	48	\$396.43
AL-T-3N-2N3/4-12	76.2	3	69.85	2 3/4	305	12	\$127.88
AL-T-3N-2N3/4-18	76.2	3	69.85	2 3/4	458	18	\$191.30
AL-T-3N-2N3/4-24	76.2	3	69.85	2 3/4	610	24	\$257.38
AL-T-3N-2N3/4-36	76.2	3	69.85	2 3/4	914	36	\$385.45
AL-T-3N-2N3/4-48	76.2	3	69.85	2 3/4	1219	48	\$505.32

Alumina Single Bore Tubes (Closed-One-End)

Alumina Single Bore Tubes (One-End-Closed)

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Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T-N1/4-N3/16-12-COE	6.35	1/4	4.76	3/16	305	12	\$33.58
AL-T-N1/4-N3/16-24-COE	6.35	1/4	4.76	3/16	610	24	\$68.86
AL-T-N3/8-N1/4-12-COE	9.53	3/8	6.35	1/4	305	12	\$38.83
AL-T-N3/8-N1/4-18-COE	9.53	3/8	6.35	1/4	458	18	\$50.89
AL-T-N3/8-N1/4-24-COE	9.53	3/8	6.35	1/4	610	24	\$75.69
AL-T-N1/2-N3/8-12-COE	12.7	1/2	9.53	3/8	305	12	\$40.77
AL-T-N1/2-N3/8-24-COE	12.7	1/2	9.53	3/8	610	24	\$81.48
AL-T-N3/4-N1/2-12-COE	19.05	3/4	12.7	1/2	305	12	\$42.53
AL-T-N3/4-N1/2-24-COE	19.05	3/4	12.7	1/2	610	24	\$85.38
AL-T-N1-N3/4-12-COE	25.4	1	19.05	3/4	305	12	\$48.99
AL-T-N1-N3/4-24-COE	25.4	1	19.05	3/4	610	24	\$93.72
AL-T-1N1/4-N1-12-COE	31.75	1 1/4	25.4	1	305	12	\$54.34
AL-T-1N1/4-N1-24-COE	31.75	1 1/4	25.4	1	610	24	\$106.74
AL-T-1N1/2-1N1/4-24-COE	38.1	1 1/2	31.75	1 1/4	610	24	\$120.29
AL-T-1N1/2-1N1/4-36-COE	38.1	1 1/2	31.75	1 1/4	914	36	\$176.58
AL-T-2N-1N3/4-12-COE	50.8	2	44.45	1 3/4	305	12	\$78.51
AL-T-2N-1N3/4-24-COE	50.8	2	44.45	1 3/4	610	24	\$148.32
AL-T-2N-1N3/4-48-COE	50.8	2	44.45	1 3/4	1219	48	\$296.77

Alumina Thermocouple Tubes (Two-Bore)

Alumina Thermocouple Tubes (Two-Bore)

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please email: sales@advaluetech.com



Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T2-N047-N01-6	1.19	0.047	0.25	0.01	152.4	6	\$4.88
AL-T2-N047-N01-12	1.19	0.047	0.25	0.01	304.8	12	\$9.83
AL-T2-N047-N01-18	1.19	0.047	0.25	0.01	457.2	18	\$14.62
AL-T2-N047-N01-24	1.19	0.047	0.25	0.01	609.6	24	\$19.54
AL-T2-N047-N01-30	1.19	0.047	0.25	0.01	762	30	\$24.53
AL-T2-N062-N016-6	1.57	0.062	0.41	0.016	152.4	6	\$4.21
AL-T2-N062-N016-12	1.57	0.062	0.41	0.016	304.8	12	\$8.48
AL-T2-N062-N016-18	1.57	0.062	0.41	0.016	457.2	18	\$12.68
AL-T2-N062-N016-24	1.57	0.062	0.41	0.016	609.6	24	\$16.96
AL-T2-N062-N016-30	1.57	0.062	0.41	0.016	762	30	\$21.15
AL-T2-N062-N016-36	1.57	0.062	0.41	0.016	914.4	36	\$29.45
AL-T2-N062-N016-42	1.57	0.062	0.41	0.016	1066.8	42	\$34.14
AL-T2-N094-N025-6	2.39	0.094	0.64	0.025	152.4	6	\$2.71
AL-T2-N094-N025-12	2.39	0.094	0.64	0.025	304.8	12	\$5.40
AL-T2-N094-N025-18	2.39	0.094	0.64	0.025	457.2	18	\$8.21
AL-T2-N094-N025-24	2.39	0.094	0.64	0.025	609.6	24	\$10.36
AL-T2-N094-N025-30	2.39	0.094	0.64	0.025	762	30	\$13.57
AL-T2-N094-N025-36	2.39	0.094	0.64	0.025	914.4	36	\$22.34
AL-T2-N094-N025-42	2.39	0.094	0.64	0.025	1066.8	42	\$26.02
AL-T2-N125-N031-6	3.18	0.125	0.79	0.031	152.4	6	\$2.53
AL-T2-N125-N031-12	3.18	0.125	0.79	0.031	304.8	12	\$5.06
AL-T2-N125-N031-18	3.18	0.125	0.79	0.031	457.2	18	\$7.62
AL-T2-N125-N031-24	3.18	0.125	0.79	0.031	609.6	24	\$9.97
AL-T2-N125-N031-30	3.18	0.125	0.79	0.031	762	30	\$12.69
AL-T2-N125-N031-36	3.18	0.125	0.79	0.031	914.4	36	\$19.26
AL-T2-N125-N031-42	3.18	0.125	0.79	0.031	1066.8	42	\$22.50
AL-T2-N125-N04-6	3.18	0.125	1.02	0.04	152.4	6	\$2.53
AL-T2-N125-N04-12	3.18	0.125	1.02	0.04	304.8	12	\$5.06
AL-T2-N125-N04-18	3.18	0.125	1.02	0.04	457.2	18	\$7.62
AL-T2-N125-N04-24	3.18	0.125	1.02	0.04	609.6	24	\$9.97
AL-T2-N125-N04-30	3.18	0.125	1.02	0.04	762	30	\$12.69
AL-T2-N125-N04-36	3.18	0.125	1.02	0.04	914.4	36	\$19.26
AL-T2-N125-N04-42	3.18	0.125	1.02	0.04	1066.8	42	\$22.50

Alumina Thermocouple Tubes (Two-Bore)

Alumina Thermocouple Tubes (Two-Bore)

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T2-N156-N04-6	3.96	0.156	1.02	0.04	152.4	6	\$2.53
AL-T2-N156-N04-12	3.96	0.156	1.02	0.04	304.8	12	\$5.06
AL-T2-N156-N04-18	3.96	0.156	1.02	0.04	457.2	18	\$7.62
AL-T2-N156-N04-24	3.96	0.156	1.02	0.04	609.6	24	\$9.97
AL-T2-N156-N04-30	3.96	0.156	1.02	0.04	762	30	\$12.69
AL-T2-N156-N04-36	3.96	0.156	1.02	0.04	914.4	36	\$19.26
AL-T2-N156-N04-42	3.96	0.156	1.02	0.04	1066.8	42	\$22.50
AL-T2-N187-N04-6	4.75	0.187	1.02	0.04	152.4	6	\$2.53
AL-T2-N187-N04-12	4.75	0.187	1.02	0.04	304.8	12	\$5.06
AL-T2-N187-N04-18	4.75	0.187	1.02	0.04	457.2	18	\$7.62
AL-T2-N187-N04-24	4.75	0.187	1.02	0.04	609.6	24	\$9.97
AL-T2-N187-N04-30	4.75	0.187	1.02	0.04	762	30	\$12.69
AL-T2-N187-N04-36	4.75	0.187	1.02	0.04	914.4	36	\$19.26
AL-T2-N187-N04-42	4.75	0.187	1.02	0.04	1066.8	42	\$22.50
AL-T2-N187-N063-6	4.75	0.187	1.57	0.063	152.4	6	\$2.53
AL-T2-N187-N063-12	4.75	0.187	1.57	0.063	304.8	12	\$5.06
AL-T2-N187-N063-18	4.75	0.187	1.57	0.063	457.2	18	\$7.62
AL-T2-N187-N063-24	4.75	0.187	1.57	0.063	609.6	24	\$9.97
AL-T2-N187-N063-30	4.75	0.187	1.57	0.063	762	30	\$12.69
AL-T2-N187-N063-36	4.75	0.187	1.57	0.063	914.4	36	\$19.26
AL-T2-N187-N063-42	4.75	0.187	1.57	0.063	1066.8	42	\$22.50
AL-T2-N25-N062-6	6.35	0.25	1.57	0.062	152.4	6	\$2.71
AL-T2-N25-N062-12	6.35	0.25	1.57	0.062	304.8	12	\$5.40
AL-T2-N25-N062-18	6.35	0.25	1.57	0.062	457.2	18	\$8.12
AL-T2-N25-N062-24	6.35	0.25	1.57	0.062	609.6	24	\$10.88
AL-T2-N25-N062-30	6.35	0.25	1.57	0.062	762	30	\$13.57
AL-T2-N25-N062-36	6.35	0.25	1.57	0.062	914.4	36	\$21.31
AL-T2-N25-N062-42	6.35	0.25	1.57	0.062	1066.8	42	\$24.84
AL-T2-N25-N078-6	6.35	0.25	1.98	0.078	152.4	6	\$2.71
AL-T2-N25-N078-12	6.35	0.25	1.98	0.078	304.8	12	\$5.40
AL-T2-N25-N078-18	6.35	0.25	1.98	0.078	457.2	18	\$8.12
AL-T2-N25-N078-24	6.35	0.25	1.98	0.078	609.6	24	\$10.88
AL-T2-N25-N078-30	6.35	0.25	1.98	0.078	762	30	\$13.57
AL-T2-N25-N078-36	6.35	0.25	1.98	0.078	914.4	36	\$21.31
AL-T2-N25-N078-42	6.35	0.25	1.98	0.078	1066.8	42	\$24.84

Alumina Thermocouple Tubes (Four-bore)

Alumina Thermocouple Tubes (Four-bore)

For custom production and volume discount,
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Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T4-N047-N01-6	1.19	0.047	0.25	0.010	152.4	6	\$7.59
AL-T4-N047-N01-12	1.19	0.047	0.25	0.010	304.8	12	\$15.14
AL-T4-N047-N01-18	1.19	0.047	0.25	0.010	457.2	18	\$22.73
AL-T4-N047-N01-24	1.19	0.047	0.25	0.010	609.6	24	\$30.35
AL-T4-N047-N01-30	1.19	0.047	0.25	0.010	762	30	\$38.04
AL-T4-N062-N016-6	1.57	0.062	0.41	0.016	152.4	6	\$7.12
AL-T4-N062-N016-12	1.57	0.062	0.41	0.016	304.8	12	\$14.09
AL-T4-N062-N016-18	1.57	0.062	0.41	0.016	457.2	18	\$21.22
AL-T4-N062-N016-24	1.57	0.062	0.41	0.016	609.6	24	\$28.27
AL-T4-N062-N016-30	1.57	0.062	0.41	0.016	762	30	\$35.44
AL-T4-N062-N016-36	1.57	0.062	0.41	0.016	914.4	36	\$51.77
AL-T4-N062-N016-42	1.57	0.062	0.41	0.016	1066.8	42	\$60.04
AL-T4-N094-N02-6	2.39	0.094	0.51	0.020	152.4	6	\$5.61
AL-T4-N094-N02-12	2.39	0.094	0.51	0.020	304.8	12	\$11.15
AL-T4-N094-N02-18	2.39	0.094	0.51	0.020	457.2	18	\$16.73
AL-T4-N094-N02-24	2.39	0.094	0.51	0.020	609.6	24	\$22.36
AL-T4-N094-N02-30	2.39	0.094	0.51	0.020	762	30	\$26.19
AL-T4-N094-N02-36	2.39	0.094	0.51	0.020	914.4	36	\$40.54
AL-T4-N094-N02-42	2.39	0.094	0.51	0.020	1066.8	42	\$47.51
AL-T4-N094-N02-48	2.39	0.094	0.51	0.020	1219.2	48	\$53.19
AL-T4-N125-N02-6	3.18	0.125	0.51	0.020	152.4	6	\$4.19
AL-T4-N125-N02-12	3.18	0.125	0.51	0.020	304.8	12	\$8.46
AL-T4-N125-N02-18	3.18	0.125	0.51	0.020	457.2	18	\$12.63
AL-T4-N125-N02-24	3.18	0.125	0.51	0.020	609.6	24	\$16.89
AL-T4-N125-N02-30	3.18	0.125	0.51	0.020	762	30	\$19.59
AL-T4-N125-N02-36	3.18	0.125	0.51	0.020	914.4	36	\$33.39
AL-T4-N125-N02-42	3.18	0.125	0.51	0.020	1066.8	42	\$39.15
AL-T4-N125-N02-48	3.18	0.125	0.51	0.020	1219.2	48	\$43.66
AL-T4-N156-N031-6	3.96	0.156	0.79	0.031	152.4	6	\$4.19
AL-T4-N156-N031-12	3.96	0.156	0.79	0.031	304.8	12	\$8.46
AL-T4-N156-N031-18	3.96	0.156	0.79	0.031	457.2	18	\$12.63
AL-T4-N156-N031-24	3.96	0.156	0.79	0.031	609.6	24	\$16.89
AL-T4-N156-N031-30	3.96	0.156	0.79	0.031	762	30	\$19.59
AL-T4-N156-N031-36	3.96	0.156	0.79	0.031	914.4	36	\$33.39
AL-T4-N156-N031-42	3.96	0.156	0.79	0.031	1066.8	42	\$39.15
AL-T4-N156-N031-48	3.96	0.156	0.79	0.031	1219.2	48	\$43.66

Alumina Thermocouple Tubes (Four-bore)

Alumina Thermocouple Tubes (Four-bore)

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Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
AL-T4-N187-N031-6	4.75	0.187	0.79	0.031	152.4	6	\$2.52
AL-T4-N187-N031-12	4.75	0.187	0.79	0.031	304.8	12	\$5.06
AL-T4-N187-N031-18	4.75	0.187	0.79	0.031	457.2	18	\$7.59
AL-T4-N187-N031-24	4.75	0.187	0.79	0.031	609.6	24	\$10.12
AL-T4-N187-N031-30	4.75	0.187	0.79	0.031	762	30	\$12.73
AL-T4-N187-N031-36	4.75	0.187	0.79	0.031	914.4	36	\$19.22
AL-T4-N187-N031-42	4.75	0.187	0.79	0.031	1066.8	42	\$22.44
AL-T4-N187-N031-48	4.75	0.187	0.79	0.031	1219.2	48	\$27.72
AL-T4-N187-N047-6	4.75	0.187	1.19	0.046	152.4	6	\$2.52
AL-T4-N187-N047-12	4.75	0.187	1.19	0.046	304.8	12	\$5.07
AL-T4-N187-N047-18	4.75	0.187	1.19	0.046	457.2	18	\$7.60
AL-T4-N187-N047-24	4.75	0.187	1.19	0.046	609.6	24	\$10.12
AL-T4-N187-N047-30	4.75	0.187	1.19	0.046	762	30	\$12.65
AL-T4-N187-N047-36	4.75	0.187	1.19	0.046	914.4	36	\$19.26
AL-T4-N187-N047-42	4.75	0.187	1.19	0.046	1066.8	42	\$22.44
AL-T4-N187-N047-48	4.75	0.187	1.19	0.046	1219.2	48	\$27.72
AL-T4-N218-N05-6	5.54	0.218	1.27	0.050	152.4	6	\$2.52
AL-T4-N218-N05-12	5.54	0.218	1.27	0.050	304.8	12	\$5.07
AL-T4-N218-N05-18	5.54	0.218	1.27	0.050	457.2	18	\$7.60
AL-T4-N218-N05-24	5.54	0.218	1.27	0.050	609.6	24	\$10.12
AL-T4-N218-N05-30	5.54	0.218	1.27	0.050	762	30	\$12.65
AL-T4-N218-N05-36	5.54	0.218	1.27	0.050	914.4	36	\$19.26
AL-T4-N218-N05-42	5.54	0.218	1.27	0.050	1066.8	42	\$22.44
AL-T4-N218-N05-48	5.54	0.218	1.27	0.050	1219.2	48	\$27.72
AL-T4-N25-N062-6	6.35	0.25	1.57	0.062	152.4	6	\$2.54
AL-T4-N25-N062-12	6.35	0.25	1.57	0.062	304.8	12	\$5.08
AL-T4-N25-N062-18	6.35	0.25	1.57	0.062	457.2	18	\$7.60
AL-T4-N25-N062-24	6.35	0.25	1.57	0.062	609.6	24	\$10.12
AL-T4-N25-N062-30	6.35	0.25	1.57	0.062	762	30	\$12.71
AL-T4-N25-N062-36	6.35	0.25	1.57	0.062	914.4	36	\$19.23
AL-T4-N25-N062-42	6.35	0.25	1.57	0.062	1066.8	42	\$22.57
AL-T4-N25-N062-48	6.35	0.25	1.57	0.062	1219.2	48	\$28.06
AL-T4-N312-N062-6	7.92	0.312	1.57	0.062	152.4	6	\$3.04
AL-T4-N312-N062-12	7.92	0.312	1.57	0.062	304.8	12	\$6.11
AL-T4-N312-N062-18	7.92	0.312	1.57	0.062	457.2	18	\$9.10
AL-T4-N312-N062-24	7.92	0.312	1.57	0.062	609.6	24	\$12.16
AL-T4-N312-N062-30	7.92	0.312	1.57	0.062	762	30	16.19
AL-T4-N312-N062-36	7.92	0.312	1.57	0.062	914.4	36	23.08
AL-T4-N312-N062-42	7.92	0.312	1.57	0.062	1066.8	42	26.90
AL-T4-N312-N062-48	7.92	0.312	1.57	0.062	1219.2	48	31.36

Alumina Rods

Alumina Rods

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Catalogue Number	Diameter		Length		Price
	mm	inch	mm	inch	
AL-RD-N1/32-6	0.79	1/32	152.4	6	\$4.06
AL-RD-N1/32-12	0.79	1/32	304.8	12	\$8.42
AL-RD-N1/32-18	0.79	1/32	457.2	18	\$12.73
AL-RD-N1/16-6	1.58	1/16	152.4	6	\$3.28
AL-RD-N1/16-12	1.58	1/16	304.8	12	\$6.84
AL-RD-N1/16-18	1.58	1/16	457.2	18	\$9.82
AL-RD-N079-6	2.01	0.079	152.4	6	\$3.32
AL-RD-N079-12	2.01	0.079	304.8	12	\$6.63
AL-RD-N079-18	2.01	0.079	457.2	18	\$9.09
AL-RD-N098-6	2.49	0.098	152.4	6	\$3.99
AL-RD-N098-12	2.49	0.098	304.8	12	\$7.80
AL-RD-N098-18	2.49	0.098	457.2	18	\$11.31
AL-RD-N1/8-6	3.18	1/8	152.4	6	\$4.08
AL-RD-N1/8-12	3.18	1/8	304.8	12	\$7.73
AL-RD-N1/8-18	3.18	1/8	457.2	18	\$12.68
AL-RD-N1/8-24	3.18	1/8	609.6	24	\$19.59
AL-RD-N1/8-30	3.18	1/8	762	30	\$24.48
AL-RD-N1/8-36	3.18	1/8	914.4	36	\$30.98
AL-RD-N3/16-6	4.75	3/16	152.4	6	\$4.54
AL-RD-N3/16-12	4.75	3/16	304.8	12	\$9.31
AL-RD-N3/16-18	4.75	3/16	457.2	18	\$14.08
AL-RD-N3/16-24	4.75	3/16	609.6	24	\$22.40
AL-RD-N3/16-30	4.75	3/16	762	30	\$27.79
AL-RD-N3/16-36	4.75	3/16	914.4	36	\$34.01
AL-RD-N197-12	5.00	0.197	304.8	12	\$9.31
AL-RD-N1/4-6	6.35	1/4	152.4	6	\$4.87
AL-RD-N1/4-12	6.35	1/4	304.8	12	\$10.10
AL-RD-N1/4-18	6.35	1/4	457.2	18	\$15.20
AL-RD-N1/4-24	6.35	1/4	609.6	24	\$24.26
AL-RD-N1/4-30	6.35	1/4	762	30	\$30.33
AL-RD-N1/4-36	6.35	1/4	914.4	36	\$37.83

Alumina Rods

Alumina Rods

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Catalogue Number	Diameter		Length		Price
	mm	inch	mm	inch	
AL-RD-N5/16-6	7.92	5/16	152.4	6	\$5.95
AL-RD-N5/16-12	7.92	5/16	304.8	12	\$12.42
AL-RD-N5/16-18	7.92	5/16	457.2	18	\$18.45
AL-RD-N5/16-24	7.92	5/16	609.6	24	\$27.03
AL-RD-N5/16-30	7.92	5/16	762	30	\$33.57
AL-RD-N5/16-36	7.92	5/16	914.4	36	\$45.76
AL-RD-N1/3-12	8.47	1/3	304.8	12	\$12.71
AL-RD-N3/8-6	9.53	3/8	152.4	6	\$7.01
AL-RD-N3/8-12	9.53	3/8	304.8	12	\$14.82
AL-RD-N3/8-18	9.53	3/8	457.2	18	\$21.38
AL-RD-N3/8-24	9.53	3/8	609.6	24	\$31.64
AL-RD-N3/8-30	9.53	3/8	762	30	\$39.61
AL-RD-N3/8-36	9.53	3/8	914.4	36	\$49.27
AL-RD-N7/16-6	11.1	7/16	152.4	6	\$7.99
AL-RD-N7/16-12	11.1	7/16	304.8	12	\$17.29
AL-RD-N7/16-18	11.1	7/16	457.2	18	\$25.73
AL-RD-N7/16-24	11.1	7/16	609.6	24	\$37.76
AL-RD-N7/16-30	11.1	7/16	762	30	\$50.03
AL-RD-N1/2-6	12.7	1/2	152.4	6	\$9.46
AL-RD-N1/2-12	12.7	1/2	304.8	12	\$20.36
AL-RD-N1/2-18	12.7	1/2	457.2	18	\$29.49
AL-RD-N1/2-24	12.7	1/2	609.6	24	\$52.20
AL-RD-N1/2-30	12.7	1/2	762	30	\$63.21
AL-RD-N1/2-36	12.7	1/2	914.4	36	\$78.17
AL-RD-N3/4-12	19.05	3/4	304.8	12	\$126.40
AL-RD-1N-12	25.4	1	304.8	12	\$135.09
AL-RD-1N1/2-12	38.1	1 1/2	304.8	12	\$267.27

Alumina Bars & Dee Tubes

Alumina Rectangular/Square Bars

Custom production available. Please email sales@advaluetech.com for details

Catalogue Number	Length		Width		Thickness		Price
	mm	in	mm	in	mm	in	
AL-B-N125-N125-6	3.18	0.125	3.18	0.125	152.4	6	\$19.90
AL-B-N156-N156-6	4	0.156	4	0.156	152.4	6	\$22.07
AL-B-N250-N250-6	6.35	0.25	6.35	0.25	152.4	6	\$26.80
AL-B-N500-N250-6	12.7	0.5	6.35	0.25	152.4	6	\$33.30

Alumina Dee Tubes

Custom production available. Please email sales@advaluetech.com for details

Catalogue Number	Width		Height		Length		Price
	mm	in	mm	in	mm	in	
AL-DT-1N1/2-6	38.04	1.49	18	0.71	152.4	6	\$53.29
AL-DT-1N3/4-6	44.22	1.74	20	0.79	152.4	6	\$74.42
AL-DT-2-6	50.46	1.98	22.5	0.89	152.4	6	\$90.90
AL-DT-2N1/4-6	56.91	2.24	26	1.02	152.4	6	\$112.83

Alumina Plates & Disks

Alumina Plate

Custom production available. please email: sales@advaluetech.com

Catalogue Number	Length		Width		Thickness		Price
	mm	in	mm	in	mm	in	
AL-P-220-220-5	220	8.66	220	8.66	5	0.2	\$161.37
AL-P-216-102-5	216	8.5	102	4.01	5	0.2	\$86.34
AL-P-208-110-5	208	8.19	110	4.33	5	0.2	\$76.29
AL-P-152-152-5	152	6	152	6	5	0.2	\$68.38
AL-P-150-80-4	150	5.91	80	3.15	4	0.16	\$57.73
AL-P-107-53-4	107	4.21	53	2.09	4	0.16	\$33.43
AL-P-102-76-6	102	4	76	3	6	0.24	\$35.07
AL-P-102-25-6	102	4	25	0.98	6	0.24	\$26.40
AL-P-90-65-6	90	3.54	65	2.56	6	0.24	\$26.57
AL-P-90-45-4	90	3.54	45	1.77	4	0.16	\$22.07
AL-P-60-40-4	60	2.36	40	1.57	4	0.16	\$11.76
AL-P-60-10-5	60	2.36	10	0.39	5	0.2	\$5.64

Alumina Disk

Custom production available. please email: sales@advaluetech.com

Catalogue Number	Diameter		Thickness		Price
	mm	in	mm	in	
AL-D-42-2	42	1.65	2	0.08	\$7.46
AL-D-82-6	82	3.23	6	0.24	\$22.21



Alumina Sample Pans (Crucibles for Thermal Analysis)

Alumina Sample Pans -Cylindrical

For custom production and volume discount,
please email: sales@advaluetech.com

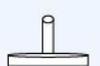


Catalogue Number	Dimensions(mm)	Equipment	Picture	Price
AL-6214	OD4.5mm*H7mm	PE		\$7.37
AL-6201	OD5mm*H4mm	SETARAM		\$6.12
AL-6209	OD5mm*H5mm			\$7.37
AL-6202	OD5mm*H8mm	SETARAM DSC		\$7.37
AL-6217	OD5.2mm*H2.6mm	NETZSCH		\$7.37
AL-6211	OD6mm*H2.5mm	ME-51140843/Shimadzu		\$8.62
AL-6208	OD6mm*H4.5mm	ME-01024123		\$11.32
AL-6207	OD6.5mm*H4mm	TA Q600		\$10.41
AL-6203	OD6.8mm*H4mm,	NETZSCH DSC404C DTA404PC STA409PC STA449C		\$7.37
AL-6210	OD7mm*H2mm	NETZSCH		\$10.41
AL-6206	OD8mm*H4.5mm	ME-01024124		\$14.15
AL-6219	OD8mm*H8mm	NETZSCH		\$11.32
AL-6220	OD8mm*H10mm	NETZSCH		\$11.32
AL-6204	OD8mm*H12mm	SETARAM LABSYS		\$11.32
AL-6221	OD9mm*H7mm	NETZSCH		\$12.74
AL-6215	OD12mm*H10mm	ME		\$15.88
AL-6212	OD12mm*H25mm			\$17.47
AL-6222	OD12.7mm*H25.4mm	TA TGA-HP150 and TGA-HPs		\$17.47
AL-6223	OD18mm*H8mm	Netzsch		\$15.88

Alumina Sample Pans (Crucibles for Thermal Analysis)

Alumina Sample Pans - Special Shaped

For custom production and volume discount, please email: sales@advaluetech.com

Catalogue Number	Dimensions(mm)	Equipment	Picture	Price
AL-62H02	OD5mm*H9.5mm, with 2 holes on wall			\$12.22
AL-62H03	OD8mm*H4.5mm, with 2 holes on wall			\$12.22
AL-62H04	OD8mm*H10mm, with 2 holes on wall			\$15.88
AL-62H01	OD12mm*H10mm, with 2 holes on wall			\$15.88
AL-6101	OD4.5mm*H7mm, round bottom	PE		\$4.68
AL-6301	OD5mm(4mm)*H10mm	SETARAM CTC1800 EVOLUTION		\$8.62
AL-6402	TOD6.4mm*BOD3.6m m*H8.7mm			\$8.58
AL-6405	OD7(3)mm*H17.4mm	Linseis		\$14.55
AL-6401	OD8(4)mm*H23mm	NETZSCH DTA		\$17.47
AL-6406	OD8(4)mm*H16mm			\$17.47
AL-6404	OD17mm*H30mm	Netsch 449TGA		\$29.12
AL-6404-S	Alumina support, Dia17mm*H18.2mm	Netsch 449TGA		\$18.52

Alumina Sample Pan Covers

For custom production and volume discount, please email: sales@advaluetech.com

Catalogue Number	Dimensions(mm)	Price
AL-6505	Crucible Cover, OD4.5mm, with central hole	\$2.35
AL-6501	Crucible Cover, OD5mm, with central hole	\$2.35
AL-6504	Crucible Cover, OD6mm, with central hole	\$2.35
AL-6503	Crucible Cover, OD6.5mm, with central hole	\$2.35
AL-6502	Crucible Cover, OD6.8mm, with central hole	\$2.35
AL-6506	Crucible Cover, OD8mm, with central hole	\$2.35

Zirconia Crucibles

Cylindrical Crucibles

For custom production and volume discount,
 please email: sales@advaluetech.com



Catalogue Number	Approx. Capacity (ml)	Outside Diameter		Height		Price
		in	mm	in	mm	
Zc-2010	10	in	mm	in	mm	\$41.87
		0.87	22	1.30	33	
Zc-2035	35	in	mm	in	mm	\$72.24
		1.57	40	1.57	40	
Zc-2090	90	in	mm	in	mm	\$107.14
		1.57	40	3.58	91	
Zc-2350	350	in	mm	in	mm	\$214.78
		3.35	85	2.95	75	
Zc-2600	600	in	mm	in	mm	\$277.20
		4.33	110	2.95	75	

Conical Crucibles

For custom production and volume discount,
 please email: sales@advaluetech.com

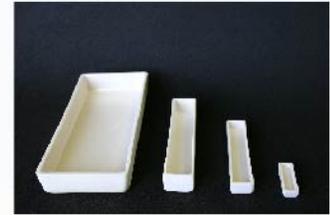


Catalogue Number	Approx. Capacity (ml)	Top Diameter		Bottom Diameter		Height		Price
		in	mm	in	mm	in	mm	
Zc-6005	5	in	mm	in	mm	in	mm	\$35.94
		1.02	26	0.63	16	1.22	31	
Zc-6010	10	in	mm	in	mm	in	mm	\$44.61
		1.06	27	0.75	19	1.38	35	
Zc-6100	100	in	mm	in	mm	in	mm	\$119.61
		2.24	57	1.54	39	2.36	60	

Zirconia Crucibles

Combustion Boat (without tail and hole)

For custom production and volume discount,
 please email: sales@advaluetech.com



Catalogue Number	Approx. Capacity (ml)	Length		Width		Height		Price
		in	mm	in	mm	in	mm	
Zc-5001	1	1.18	30	0.39	10	0.31	8	\$31.72
Zc-5003	3	1.97	50	0.47	12	0.39	10	\$46.92
Zc-5006	6	2.95	75	0.59	15	0.39	10	\$67.74
Zc-5020	20	3.94	100	0.79	20	0.59	15	\$83.79
Zc-5140	140	5.91	150	2.56	65	0.75	19	\$204.53

Fused Quartz Tubing (Both-Ends-Open)

Clear Quartz Tubes

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	Inside Diameter		Outside Diameter		Wall Thickness		Length		Price
	mm	inch	mm	inch	mm	inch	mm	inch	
FQ-T-3-1.6-4	1.6	0.06	3	0.12	0.7	0.03	1219	48	\$2.48
FQ-T-4-2-4	2	0.08	4	0.16	1	0.04	1219	48	\$3.72
FQ-T-5-3-4	3	0.12	5	0.2	1	0.04	1219	48	\$4.92
FQ-T-6-4-4	4	0.16	6	0.24	1	0.04	1219	48	\$4.52
FQ-T-7-5-4	5	0.2	7	0.28	1	0.04	1219	48	\$5.72
FQ-T-8-6-4	6	0.24	8	0.31	1	0.04	1219	48	\$6.16
FQ-T-10-6-4	6	0.24	10	0.39	2	0.08	1219	48	\$14.92
FQ-T-9-7-4	7	0.28	9	0.35	1	0.04	1219	48	\$7.80
FQ-T-10-8-4	8	0.31	10	0.39	1	0.04	1219	48	\$8.21
FQ-T-12-8-4	8	0.31	12	0.47	2	0.08	1219	48	\$10.25
FQ-T-11-9-4	9	0.35	11	0.43	1	0.04	1219	48	\$9.02
FQ-T-12-10-4	10	0.39	12	0.47	1	0.04	1219	48	\$10.65
FQ-T-14-10-4	10	0.39	14	0.55	2	0.08	1219	48	\$22.59
FQ-T-12.7-10.5-4	10.5	0.41	12.7	0.5	1.125	0.04	1219	48	\$11.89
FQ-T-14-12-4	12	0.47	14	0.55	1	0.04	1219	48	\$9.97
FQ-T-15-12-4	12	0.47	15	0.59	1.5	0.06	1219	48	\$20.01
FQ-T-16-12-4	12	0.47	16	0.63	2	0.08	1219	48	\$29.96
FQ-T-15-13-4	13	0.51	15	0.59	1	0.04	1219	48	\$11.06
FQ-T-16-14-4	14	0.55	16	0.63	1	0.04	1219	48	\$14.32
FQ-T-18-14-4	14	0.55	18	0.71	2	0.08	1219	48	\$33.02
FQ-T-19-15-4	15	0.59	19	0.75	2	0.08	1219	48	\$34.11
FQ-T-18-16-4	16	0.63	18	0.71	1	0.04	1219	48	\$14.76

Fused Quartz Tubing (Both-Ends-Open)

Clear Quartz Tubes

For custom production and volume discount,
 please email: sales@advaluetech.com



Catalogue Number	Inside Diameter		Outside Diameter		Wall Thickness		Length		Price
	mm	inch	mm	inch	mm	inch	mm	inch	
FQ-T-20-16-4	16	0.63	20	0.79	2	0.08	1219	48	\$36.04
FQ-T-22-20-4	20	0.79	22	0.87	1	0.04	1219	48	\$20.97
FQ-T-24-20-4	20	0.79	24	0.94	2	0.08	1219	48	\$44.44
FQ-T-25-20-4	20	0.79	25	0.98	2.5	0.1	1219	48	\$57.95
FQ-T-25-22-4	22	0.87	25	0.98	1.5	0.06	1219	48	\$29.91
FQ-T-26-22-4	22	0.87	26	1.02	2	0.08	1219	48	\$41.48
FQ-T-26-24-4	24	0.94	26	1.02	1	0.04	1219	48	\$21.60
FQ-T-28-25-4	25	0.98	28	1.1	1.5	0.06	1219	48	\$33.19
FQ-T-29-25-4	25	0.98	29	1.14	2	0.08	1219	48	\$45.68
FQ-T-30-27-4	27	1.06	30	1.18	1.5	0.06	1219	48	\$36.84
FQ-T-35-32-4	32	1.26	35	1.38	1.5	0.06	1219	48	\$53.31
FQ-T-40-36-4	36	1.42	40	1.57	2	0.08	1219	48	\$65.11
FQ-T-46-42-4	42	1.65	46	1.81	2	0.08	1219	48	\$81.85
FQ-T-50-46-4	46	1.81	50	1.97	2	0.08	1219	48	\$83.13
FQ-T-76-71-5	71	2.79	76	2.99	2.5	0.10	1524	60	\$255.27

Fused Quartz Tubing (One-End-Closed)

Test Tube

For custom production and volume discount,
 please email: sales@advaluetech.com



Catalogue Number	Capacity (ml)	Outside Diameter		Inside Diameter		Length		Price
		mm	inch	mm	inch	mm	inch	
FQ-TT-1010	10	15	0.59	12	0.47	100	3.94	\$14.12
FQ-TT-1025	25	23	0.91	20	0.79	100	3.94	\$20.41
FQ-TT-1095	95	30	1.18	25	0.98	200	7.87	\$25.91

Micro-Combustion Tube (One End Closed)

For custom production and volume discount,
 please email: sales@advaluetech.com

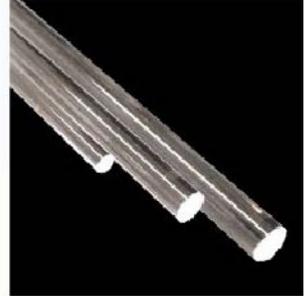


Catalogue Number	Outside Diameter		Inside Diameter		Length		Price
	mm	inch	mm	inch	mm	inch	
FQ-T-18-15-300-COE	18	0.71	15	0.59	300	11.81	\$20.36
FQ-T-25-22-300-COE	25	0.98	22	0.87	300	11.81	\$31.39
FQ-T-25-22-600-COE	25	0.98	22	0.87	600	23.6	\$42.67
FQ-T-50-46-610-COE	50	1.97	46	1.81	610	24.02	\$110.00

Fused Quartz Rods

Fused Quartz Rods

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	Diameter		Length		Price
	mm	inch	mm	inch	
FQ-RD-5-4	5	0.2	1219	48	\$6.57
FQ-RD-6-4	6	0.24	1219	48	\$9.79
FQ-RD-8-4	8	0.31	1219	48	\$15.72
FQ-RD-10-4	10	0.39	1219	48	\$23.41

Fused Quartz Plates

Quartz Microscope Slides and Coverslips

For custom production & volume discount,
please email: sales@advaluetech.com



Fused Quartz microscope slides are used for high temperature applications up to 1200°C (2192°F) or microscopy applications which require UV transparency.

- Optical Grade Fused Quartz is suitable for wavelength 220~2500nm
- UV Grade Fused Silica is suitable for wavelength 185~2500nm and Full Spectrum Fused Silica is suitable for 260~3500nm

Besides the in-stock slides listed below, we also offer custom made slides, plates and discs with different grades of quartz material. Email us at sales@advaluetech.com for any custom production request.

Optical Grade Fused Quartz Slides (220~2500nm)

Catalogue Number	Length		Width		Thickness		Price
	mm	inch	mm	inch	mm	inch	
FQ-S-001	25.4	1	25.4	1	1	0.04	\$4.95
FQ-S-002	50.8	2	25.4	1	1	0.04	\$6.98
FQ-S-003	76.2	3	25.4	1	1	0.04	\$9.45

UV Grade Fused Silica Slides (185~2500nm)

Catalogue Number	Length		Width		Thickness		Price
	mm	inch	mm	inch	mm	inch	
FSUV-S-001	25.4	1	25.4	1	1	0.04	\$12.60
FSUV-S-002	50.8	2	25.4	1	1	0.04	\$16.15
FSUV-S-003	76.2	3	25.4	1	1	0.04	\$19.18

Optical Grade Fused Quartz Microscope Coverslips (220~2500nm)

Catalogue Number	Length		Width		Thickness		Price
	mm	inch	mm	inch	mm	inch	
FQ-SCS-1919-50	19	0.75	19	0.75	0.5	0.02	\$7.18
FQ-SCS-1919-20	19	0.75	19	0.75	0.2	0.008	\$9.43
FQ-SCS-2525-50	25.4	1	25.4	1	0.5	0.02	\$7.63
FQ-SCS-2525-20	25.4	1	25.4	1	0.2	0.008	\$9.43

Fused Quartz Discs

Quartz Discs and Round Coverslips

For custom production & volume discount,
please email: sales@advaluetech.com



Fused Quartz discs are used for high temperature applications up to 1200°C (2192°F) or applications which require UV transparency.

- Optical Grade Fused Quartz is suitable for wavelength 220~2500nm
- UV Grade Fused Silica is suitable for wavelength 185~2500nm and Full Spectrum Fused Silica is suitable for 260~3500nm

Besides the in-stock slides listed below, we also offer custom made slides, plates and discs with different grades of quartz material. Email us at sales@advaluetech.com for any custom production request.

Optical Grade Fused Quartz Discs (220~2500nm)

Catalogue Number	Diameter		Thickness		Price
	mm	inch	mm	inch	
FQ-D-1N-N1/16	25.4	1	1.59	0.063	\$4.14
FQ-D-1N-N1/8	25.4	1	3.18	0.125	\$4.83
FQ-D-2N-N1/8	50.8	2	3.18	0.125	\$10.29
FQ-D-2N-N3/16	50.8	2	4.76	0.188	\$12.29

UV Grade Fused Silica Discs (185~2500nm)

Catalogue Number	Diameter		Thickness		Price
	mm	inch	mm	inch	
FSUV-D-1N-N1/16	25.4	1	1.59	0.063	\$13.42

Optical Grade Fused Quartz Round Coverslips (220~2500nm)

Catalogue Number	Diameter		Thickness		Price
	mm	inch	mm	inch	
FQ-DCS-10-20	10	0.39	0.2	0.008	\$7.18
FQ-DCS-18-20	18	0.71	0.2	0.008	\$9.43
FQ-DCS-25-50	25.4	1	0.5	0.02	\$7.63
FQ-DCS-25-20	25.4	1	0.2	0.008	\$9.43

Fused Quartz Crucibles

Clear Quartz Crucibles – High Form

For custom production and volume discount,
 please email: sales@advaluetech.com



Catalogue Number	Approx. Capacity (ml)	Top Diameter		Bottom Diameter		Height		Price
		in	mm	in	mm	in	mm	
FQ-1010	10	in	mm	in	mm	in	mm	\$19.42
		1.06	27	0.75	19	1.38	35	
FQ-1020	20	in	mm	in	mm	in	mm	\$20.77
		1.3	33	0.91	23	1.73	44	
FQ-1050	50	in	mm	in	mm	in	mm	\$23.84
		1.81	46	1.3	33	2.09	53	
FQ-1100	100	in	mm	in	mm	in	mm	\$25.67
		2.24	57	1.54	39	2.68	68	
FQ-1250	250	in	mm	in	mm	in	mm	\$49.50
		2.95	75	1.93	49	3.74	95	

**Crucible covers are available upon request.*

Fused Quartz Crucibles

Clear Quartz Crucibles -- Cylindrical

For custom production and volume discount,
 please email: sales@advaluetech.com



Catalogue Number	Approx. Capacity (ml)	Outside Diameter		Height		Price
		in	mm	in	mm	
FQ-2005	5	in	mm	in	mm	\$18.23
		0.75	19	1.02	26	
FQ-2010	10	in	mm	in	mm	\$19.42
		0.87	22	1.30	33	
FQ-2020	20	in	mm	in	mm	\$20.77
		1.10	28	1.57	40	
FQ-2100	100	in	mm	in	mm	\$25.67
		1.57	40	3.58	91	
FQ-2500	500	in	mm	in	mm	\$63.03
		2.99	76	4.72	120	
FQ-2800	800	in	mm	in	mm	\$74.36
		3.94	100	4.72	120	

**Crucible covers are available upon request.*

Fused Quartz Boats

Clear Quartz Boat (Round Bottom)

For custom production and volume discount,
 please email: sales@advaluetech.com



Catalogue Number	Width		Height		Length		Price
	mm	in	mm	in	mm	in	
FQ-BT-01	10	0.39	7	0.28	25	0.98	\$15.96
FQ-BT-02	20	0.79	10	0.39	100	3.94	\$24.27
FQ-BT-05	33	1.30	14	0.55	100	3.94	\$27.20
FQ-BT-03	42	1.65	20	0.79	100	3.94	\$32.24
FQ-BT-04	58	2.28	25	0.98	300	11.81	\$100.40

Fused Quartz Dishes

Clear Fused Quartz Dishes

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	Diameter		Height		Price
	mm	inch	mm	inch	
FQ-4020	55	2.17	15	0.59	\$22.92
FQ-4040	70	2.76	15	0.59	\$33.40
FQ-4085	100	3.94	15	0.59	\$54.88
FQ-4185	150	5.91	15	0.59	\$119.17

Clear Fused Quartz Evaporating Dishes

For custom production and volume discount,
please email: sales@advaluetech.com

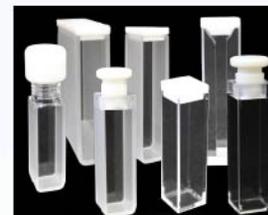


Catalogue Number	Capacity(ml)	Diameter		Height		Price
		mm	inch	mm	inch	
FQ-5050	50	65	2.56	33	1.30	\$31.47
FQ-5150	150	90	3.54	45	1.77	\$53.74
FQ-5300	300	120	4.72	60	2.36	\$75.56
FQ-5450	450	150	5.90	75	2.95	\$97.48

UV Fused Quartz Cuvettes

Quartz Cuvettes for Spectrophotometer and colorimeters (2 clear windows)

For custom production and volume discount,
please email: sales@advaluetech.com



Standard Cell with Lid and Round Bottom – Type 1

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-1-1	45 X 12.5 X 3.5	2	1	10	0.35	190nm~2500nm	\$89.80
FQ-CV-1-2	45 X 12.5 X 4.5	2	2	10	0.7	190nm~2500nm	\$85.15
FQ-CV-1-5	45 X 12.5 X 7.5	2	5	10	1.7	190nm~2500nm	\$74.97
FQ-CV-1-10	45 X 12.5 X 12.5	2	10	10	3.5	190nm~2500nm	\$64.98
FQ-CV-1-20	45 X 12.5 X 22.5	2	20	10	7.0	190nm~2500nm	\$97.74
FQ-CV-1-30	45 X 12.5 X 32.5	2	30	10	10.5	190nm~2500nm	\$113.67
FQ-CV-1-40	45 X 12.5 X 42.5	2	40	10	14.0	190nm~2500nm	\$126.03
FQ-CV-1-50	45 X 12.5 X 52.5	2	50	10	17.5	190nm~2500nm	\$143.93

Standard Cell with Teflon Stopper and Round Bottom – Type 21

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-21-10	45 X 12.5 X 12.5	2	10	10	3.5	190nm~2500nm	\$93.93

Rectangular with Screw Cap – Type 1SC

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-1SC-10	56 X 12.5 X 12.5	2	10	10	3.5	190nm~2500nm	\$157.27

Semi-Micro Cell with Frosted Walls and Lid – Type 9

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-9-10	45 X 12.5 X 12.5	2	10	4	1.4	190nm~2500nm	\$102.95

Micro Cell with Frosted Walls and Lid – Type 18

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-18-10	45 X 12.5 X 12.5	2	10	2	0.7	190nm~2500nm	\$105.77

UV Fused Quartz Cuvettes

Quartz Cuvettes for Fluorometers (4 clear windows)

For custom production and volume discount,
please email: sales@advaluetech.com



Standard Fluorometer Cell with Lid – Type 3

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-3-10	45 X 12.5 X 12.5	4	10	10	3.5	190nm~2500nm	\$119.53

Standard Fluorometer Cell with Teflon Stopper – Type 23

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-23-10	45 X 12.5 X 12.5	4	10	10	3.5	190nm~2500nm	\$138.10

Standard Fluorometer Cell with Screw Top - Type 3SC

Catalogue Number	Outside Dim. H X W X D (mm)	Polished Window	Path Length (mm)	Inside Width (mm)	Volume (ml)	Wave length	Price
FQ-CV-3SC-10	56 × 12.5 × 12.5	4	10	10	3.5	190nm~2500nm	\$195.60

Quartz Wool

Our fused quartz wool is made of high purity quartz $\geq 99.90\%$. Quartz wool features the same chemical and physical properties as of other fused quartz products, and has good resistance to high temperatures and chemical corrosions. We offer fused quartz wool with two different diameter sizes. From ultra fine to coarse, our quartz wool can well meet various application requirements. Our in-stock fused quartz wool is packaged in sealed bag of 0.5lbs for convenient use.



For custom production and volume discount, please email: sales@advaluetech.com

Catalogue Number	Description	Package Size	Price (per bag)
FQ-WL-002	Fused Quartz Wool, Dia. 3-5 μm	0.5 lbs (0.23kg)	\$328.13
FQ-WL-004	Fused Quartz Wool, Dia. 9-14 μm	0.5 lbs (0.23kg)	\$161.37
FQ-WL-ST	Quartz wool strips, strip length 15inch, strip width 0.875inch, fiber Dia9~14 μm	10pcs/pack	\$31.80

Quartz Coating Materials

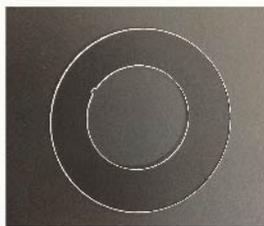
Silicon Dioxide Granules (SiO₂ evaporation material for coating)

For custom production and volume discount,
please email: sales@advaluetech.com

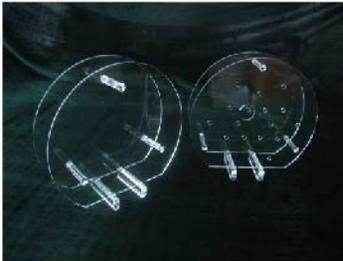
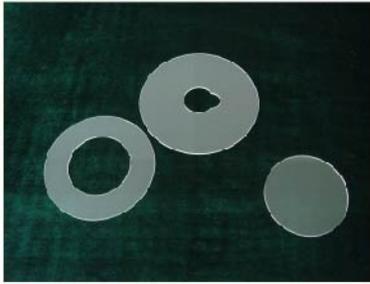


<i>Catalogue Number</i>	<i>Purity</i>	<i>Size</i>	<i>Package Size (kg)</i>	<i>Price (/pkg)</i>
FQ-GN-01	≥99.99%	Dia 0.3~0.6mm	1	\$94.60
FQ-GN-02	≥99.99%	Dia 1~3mm	1	\$94.60

Quartz coating materials in other forms (rings, pellets, discs, crucibles, etc.)
are also available upon request.



Quartzware Fabrication



Custom Production upon Drawings. please email: sales@advaluetech.com.

Opaque Quartz Crucibles

Opaque Quartz Crucibles – Solar Grade

High purity quartz crucible for silicon single crystal pullout

please email: sales@advaluetech.com



Catalogue Number	Outside Diameter(inch)	Height(inch)
FQ-3012	12	9
FQ-3014	14	11
FQ-3016	16	12
FQ-3018	18	12.6
FQ-3020	20	14
FQ-3022	22	15

Opaque Quartz Crucibles

Opaque Quartz Crucibles – Chemical Processing

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	Outside Diameter(inch)	Height(inch)
FQ-3110	10	7.5
FQ-3112	12	9
FQ-3114	14	11
FQ-3116	16	11
FQ-3118	18	12.6
FQ-3120	20	14

High purity fused quartz crucibles used for a variety of chemical and material processing.

Sapphire Sample Pans (Crucibles for Thermal Analysis)

Polycrystalline Sapphire Sample Pans for Thermal Analysis

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	Capacity (µl)	Dimensions (mm)	Equipment	Price
SP-62030	30	OD6mm*H2.6mm	ME-51140843	\$12.79
SP-62040	40	OD5mm*H4mm	Setaram	\$13.36
SP-62070	70	OD6mm*H4.5mm	ME-00024123	\$14.07
SP-62080	80	OD5mm*H8mm	Setaram DSC	\$14.36
SP-62085	85	OD6.8mm*H4mm	Netzsch-399972	\$14.64
SP-62090	90	OD6.5mm*H4.3mm	TA-960070.901	\$15.07
SP-62150	150	OD8mm*H4.5mm	ME-00024124	\$18.36
SP-62400	400	OD8mm*H12mm		\$21.36
SP-62850	850	OD12mm*H10mm	ME-51119960	\$23.64

Polycrystalline Sapphire Crucible Covers

Catalogue Number	Dimensions (mm)	Price
SP-65-5	Crucible Cover, Dia5mm	\$8.90
SP-65-6	Crucible Cover, Dia6mm	\$8.90
SP-65-6.5	Crucible Cover, Dia6.5mm	\$8.90
SP-65-6.8	Crucible Cover, Dia6.8mm	\$8.90
SP-65-8	Crucible Cover, Dia8mm	\$9.72
SP-65-12	Crucible Cover, Dia12mm	\$10.26

Polycrystalline Sapphire Protection Tube

We offer high quality, yet price competitive, polycrystalline sapphire tubes that can work on aggressive environments and/or at high temperatures where standard ceramic or metal tubes fail to meet the material stability requirements.

CHARACTERISTICS

- High Temperature resistance (up to 1800 °C)
- High purity (>99,98+% Al₂O₃)
- Chemically inert and corrosion resistant
- High pressure resistance
- Outstanding electrical insulating properties
- Low creep
- High thermal conductivity
- Translucent
- Pore free



APPLICATIONS

Polycrystalline sapphire caps are applicable in aggressive environments and/or at high temperatures. Application areas are chemistry, oil refinery, glass industry and different laboratories, where standard ceramics or metal tubes do not meet the material stability requirements.



Our polycrystalline sapphire caps are competitive with other sapphire tubes and can substitute ceramic tubes that are not resistant against diffusion of chemicals. Therefore, durability of thermocouples protected by polycrystalline sapphire tubes is much higher than in the case of standard ceramics tubes.

Even protective tubes of small diameters are sufficiently strong and high temperature resistant. The polycrystalline sapphire caps for thermocouples are the economical choice in many applications.

A set can consist of an outer one-side sealed protective tube and one or more inner capillaries used for electrical insulation of branches of the thermocouple.

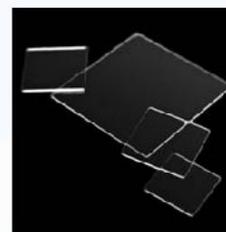


TUBE SIZES AVAILABLE

<i>Tube Sizing Range</i>	<i>Outside Diameter (mm)</i>	<i>Inside Diameter (mm)</i>	<i>Length (mm)</i>
	0.72 – 22.38	0.35 - 16.78	0 - 1000

Want to know more about the new possibilities brought by polycrystalline sapphire tubes? Want to discuss in details about custom manufacturing the size you need? Welcome to contact us at email: sales@advaluetech.com or phone: 520-514-1100.

Single Crystal Sapphire Substrates



Single Crystal Sapphire Substrate (Double Sides Polished)

For custom production and volume discount, please email: sales@advaluetech.com

Catalogue Number	Length		Width		Thickness		Orientation	Sides Polished	Price
	mm	in	mm	in	mm	in			
SS-2SC-0505-50	5	0.2	5	0.2	0.5	0.02	C Plane	2	\$2.62
SS-2SA-0505-50	5	0.2	5	0.2	0.5	0.02	A Plane	2	\$5.47
SS-2SC-1005-50	10	0.39	5	0.2	0.5	0.02	C Plane	2	\$4.06
SS-2SA-1005-50	10	0.39	5	0.2	0.5	0.02	A Plane	2	\$8.94
SS-2SC-1010-50	10	0.39	10	0.39	0.5	0.02	C Plane	2	\$7.08
SS-2SA-1010-50	10	0.39	10	0.39	0.5	0.02	A Plane	2	\$17.61
SS-2SC-1212-50	12.7	0.5	12.7	0.5	0.5	0.02	C Plane	2	\$10.10
SS-2SC-2525-50	25.4	1	25.4	1	0.5	0.02	C Plane	2	\$19.76

Single Crystal Sapphire Substrate (Single Side Polished)

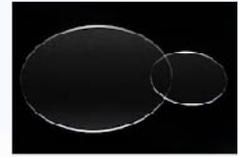
For custom production and volume discount, please email: sales@advaluetech.com

Catalogue Number	Length		Width		Thickness		Orientation	Sides Polished	Price
	mm	in	mm	in	mm	in			
SS-1SC-0505-50	5	0.2	5	0.2	0.5	0.02	C Plane	1	\$2.08
SS-1SA-0505-50	5	0.2	5	0.2	0.5	0.02	A Plane	1	\$4.70
SS-1SC-1005-50	10	0.39	5	0.2	0.5	0.02	C Plane	1	\$3.38
SS-1SA-1005-50	10	0.39	5	0.2	0.5	0.02	A Plane	1	\$8.17
SS-1SC-1010-50	10	0.39	10	0.39	0.5	0.02	C Plane	1	\$4.87
SS-1SA-1010-50	10	0.39	10	0.39	0.5	0.02	A Plane	1	\$15.96
SS-1SC-1212-50	12.7	0.5	12.7	0.5	0.5	0.02	C Plane	1	\$8.48
SS-1SC-2525-50	25.4	1	25.4	1	0.5	0.02	C Plane	1	\$17.28

Single Crystal Sapphire Wafers

Single Crystal Sapphire Wafers (Double Sides Polished)

For custom production and volume discount, please email: sales@advaluetech.com



Catalogue Number	Diameter		Thickness		Orientation	Sides Polished	Primary Flat	Price
	in	mm	in	mm				
SS-2WC-1-50	1	25.4	0.02	0.5	C Plane	2	No	\$16.87
SS-2WCF-1-50	1	25.4	0.02	0.5	C Plane	2	A-axis, length 4mm	\$18.34
SS-2WC-2-50	2	50.8	0.02	0.5	C Plane	2	No	\$30.30
SS-2WCF-2-50	2	50.8	0.02	0.5	C Plane	2	A-axis, length 16mm	\$32.10
SS-2WC-3-50	3	76.2	0.02	0.5	C Plane	2	No	\$73.75
SS-2WCF-3-50	3	76.2	0.02	0.5	C Plane	2	A-axis, length 22mm	\$75.75
SS-2WCF-4-65	4	101.6	0.026	0.65	C Plane	2	A-axis, length 30mm	\$81.34
SS-2WAF-2-43	2	50.8	0.017	0.43	A Plane	2	C-axis, length 16mm	\$51.08
SS-2WRF-2-43	2	50.8	0.017	0.43	R Plane	2	45° Counter-clockwise from the projection of C-axis onto R plane, length 16mm	\$64.12
SS-2WMF-2-43	2	50.8	0.017	0.43	M Plane	2	C-axis, length 16mm	\$60.86

Single Crystal Sapphire Wafers (Single Side Polished)

For custom production and volume discount, please email: sales@advaluetech.com

Catalogue Number	Diameter		Thickness		Orientation	Sides Polished	Primary Flat	Price
	in	mm	in	mm				
SS-1WC-1-50	1	25.4	0.02	0.5	C Plane	1	No	\$14.73
SS-1WCF-1-50	1	25.4	0.02	0.5	C Plane	1	A-axis, length 4mm	\$16.93
SS-1WC-2-50	2	50.8	0.02	0.5	C Plane	1	No	\$25.28
SS-1WCF-2-50	2	50.8	0.02	0.5	C Plane	1	A-axis, length 16mm	\$27.08
SS-1WC-3-50	3	76.2	0.02	0.5	C Plane	1	No	\$63.09
SS-1WCF-3-50	3	76.2	0.02	0.5	C Plane	1	A-axis, length 22mm	\$65.09
SS-1WCF-4-65	4	101.6	0.026	0.65	C Plane	1	A-axis, length 30mm	\$73.42
SS-1WAF-2-43	2	50.8	0.017	0.43	A Plane	1	C-axis, length 16mm	\$47.58
SS-1WRF-2-43	2	50.8	0.017	0.43	R Plane	1	45° Counter-clockwise from the projection of C-axis onto R plane, length 16mm	\$60.61
SS-1WMF-2-43	2	50.8	0.017	0.43	M Plane	1	c-axis, length 16mm	\$57.35

Single Crystal Sapphire Optical Windows

Single Crystal Sapphire Optical Windows

For custom production and volume discount, please email: sales@advaluetech.com

Clear Aperture (%):	≥90
Orientation of Axis:	Random
Parallelism (arcmin):	≤3
Surface Flatness:	λ over clear aperture
Surface Quality:	60/40
Surface Roughness:	Ra ≤ 0.3 nm
Wavelength Range (nm):	≥ 84% @ 308 nm

Catalogue Number	Diameter		Thickness		Price
	mm	in	mm	in	
SS-OW-5-1-M	5	0.197	1	0.039	\$8.86
SS-OW-6.35-0.5-M	6.35	0.25	0.5	0.02	\$6.20
SS-OW-12.7-3.18-M	12.7	0.5	3.18	0.125	\$21.46
SS-OW-25.4-2.25-M	25.4	1	2.25	0.089	\$31.21
SS-OW-38.1-1-M	38.1	1.5	1	0.039	\$29.61
SS-OW-50.8-3.15-M	50.8	2	3.15	0.124	\$107.43

Catalogue Number	Length		Width		Thickness		Price
	mm	in	mm	in	mm	in	
SS-OW-1212-100	12.7	0.5	12.7	0.5	1	0.039	\$15.89
SS-OW-2525-100	25.4	1	25.4	1	1	0.039	\$42.42

Single Crystal Sapphire Tubes and Rods

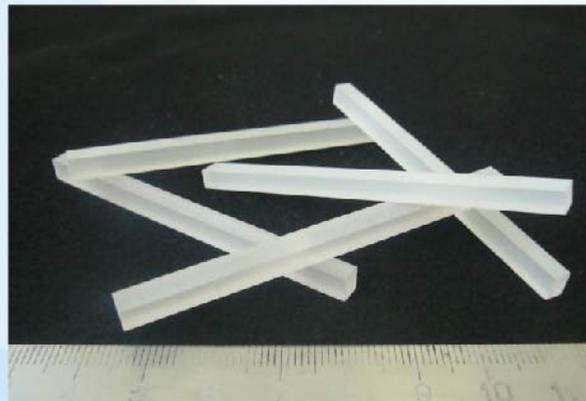
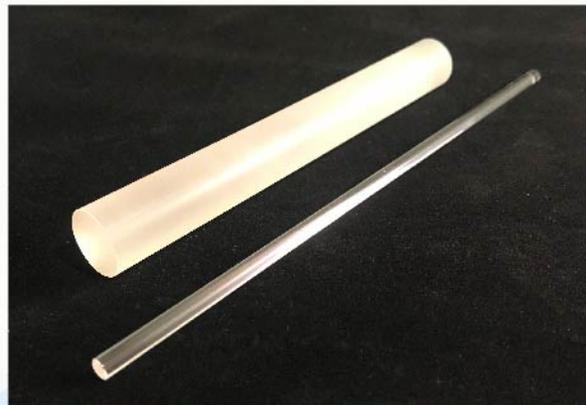
Single Crystal Sapphire Tubes and Rods

Single crystal sapphire possesses excellent optical, physical and chemical properties. It is the hardest oxide crystals, and remains high strength and chemical resistance at high temperatures. It also features a wide transmission wavelength range, great electrical insulation, and good thermal conductivity at low temperatures.

AdValue Technology provides tubes and rods made of single crystal sapphire for a variety of industrial and scientific applications.

Tubes and rods can be provided with as grown, fine ground and polished surface according to the application needs.

We make the sapphire tubes and rods according to customer specs. Please feel free to email to sales@advaluetech.com for discussion of your sapphire needs.



Ceramic Membranes for Optimal Separation

WHAT WE OFFER

- High quality Ceramic Membranes and Carriers with extreme homogeneity and narrow pore size distribution in the range of 0.1~ 2.0 μ m
- Dense ceramic membranes for gas separation and gas lines.
- Coated ceramic ultra-/nano filtration membranes for ranges under 0.1 μ m
- Optimal tolerances and smooth surface finish
- Innovative sealing technology that eliminates polymeric seals.
- Translucent production possible.



APPLICATIONS

Our ceramic membranes and carriers are developed for the optimal separation of a wide range of fluids and gases. Application areas include:

- | | |
|------------------|-------------------------|
| • Chemical | • Oil and Gas |
| • Steel | • Power and Electronics |
| • Paper and Pulp | • Pharmaceutical |
| • Biotechnology | • Food and Beverages |
| • Drinking Water | o Dairy |
| • Waste Water | o Beer |
| | o Wine |
| | o Fruit Juice |

WHY CHOOSE CERAMIC MEMBRANES AND CARRIERS

Compared to polymers, ceramic membranes offer a narrow pore size distribution exactly matching the components to be separated. They also provide better resistance against aggressive chemicals, high temperatures, a high and constant flux and a long service life.

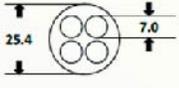
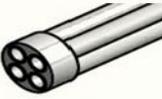
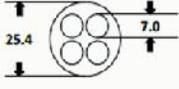
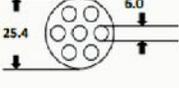
Ceramic carriers are an ideal base for membranes and micro-filtration applications in the chemical, pharmaceutical and food industry as well as in water and waste water processing.

The polymer-free all-ceramic sealing of our membrane tube assemblies leads to several clear advantages:

- Maintenance free long life seals which can resist much higher temperatures and pressures compared with polymeric seals and is fully inert;
- For sanitary membranes, the absence of polymeric seals greatly reduced the sensitivity for bacterial infection at the seals by a full fit;
- Compatible with severe back washes with aggressive chemicals in order to clean filters, leading to low maintenance costs

Ceramic Membranes for Optimal Separation

SUBSTRATE CHARACTERISTICS							
Substrate material	α-aluminum oxide						
Operating mode	crossflow						
Configuration	Multiple options						
Length	max. 1200 mm, standard lengths are 250, 600 and 1200mm						
Structure	Symmetric					Asymmetric	
Mean pore diameter	2 μm	1 μm	0.6 μm	0.2 μm	0.1 μm	40 nm	20 nm

Configuration	Design	No. of Channels	OD/ID (mm)	Length (mm)	Surface (m ²)	Drawing
Single Bore		1	<18.0/>1.0	≤ 1200	0.003~0.06	
4-tube system		4	25.4/7.0	≤ 1200	~0.11	
Multi-bore		4	25.4/7.0	≤ 1200	~0.11	
Multi-bore		7	25.4/6.0	≤ 1200	~0.16	
Multi-bore		37	25.4/2.7	≤ 1200	~0.38	
Hollow fiber	1" module with hollow fibers	19	Fiber 4.3/2.8	166	~0.03	
Hollow fiber	4" module with hollow fibers	220	Fiber 4.3/2.8	360	~0.7	
Hollow fiber	8" module with hollow fibers	1300	Fiber 4.3/2.8	360	~4.1	



High Purity Powders

Alumina (Al₂O₃) High Purity Powder

For custom production and volume discount, please email: sales@advaluetech.com

AdValue Technology offers ultra pure alumina powders with purity of 99.999% (5N) and low volatiles. It is the ideal material for growing sapphires as well as other high purity ceramics and specialty applications.

Catalogue Number	Purity	Particle Size (D ₅₀)	Phase	Color	Quantity (kg)	Price (/kg)
ALO-5N	99.999%	16-22 µm	Alpha	White	1~4	\$69.57
					5~9	\$57.77
					10	\$47.30
ALO-5N-2	99.999%	0.7 µm	Alpha	White	1~4	\$79.03
					5~9	\$65.60
					10	\$52.95
ALO-5N-SD	99.999%	Spray dried, primary grain 0.9 µm, spray dried particle 30~40 µm	Alpha	White	1~4	\$79.03
					5~9	\$65.60
					10	\$52.95
ALO-5N-SD-G	99.999%	Spray dried, primary grain 0.9 µm, spray dried particle 30~40 µm	Gamma	White	1~4	\$79.03

**We sell alumina powders by kilograms and tons. For volume discount or additional grade, please email sales@advaluetech.com for discussion.*

High Purity Powders

High Purity Quartz Sand (Silicon Dioxide Powder)

For custom production and volume discount, please email: sales@advaluetech.com

AdValue Technology supply high purity Silicon Dioxide (SiO₂) powders at >99.995% and 99.99% grades, which can be used for Semiconductor industry and normal quartz ingots respectively. Standard package sizes are available at 250g and 500g. We also sell in kilograms and tons. Other grades of SiO₂ powders are also available upon request.



Catalogue Number	Purity	Color	Quantity (g)	Price (/package)
SD-990-1	99.99%	white	250	\$35.35
SD-990-2	99.99%	white	500	\$54.38
SD-995-1	>99.995%	white	250	\$64.15
SD-995-2	>99.995%	white	500	\$98.69

**We sell high purity quartz sands by kilograms and tons. For volume discount or additional grade, please email sales@advaluetech.com for discussion.*

High Purity Powders

High Purity Tellurium Dioxide (TeO₂) Powders

For custom production and volume discount, please email: sales@advaluetech.com

We provide Tellurium Dioxide powders in 99.99% and 99.999% purities. Tellurium dioxide powders are used for growing TeO₂ single crystal or making acousto-optic material. It is a conditional glass former and can be used as additive for semiconductor part, conductive paste and electroplating solution.



Catalogue Number	Purity	Color	Package (g)	Price (/package)
Te-4N-1	99.99%	white	250	\$128.24
Te-4N-3	99.99%	white	1000	\$412.14
Te-5N-1	99.999%	white	250	\$185.54
Te-5N-3	99.999%	white	1000	\$595.46

Cerium Oxide Polishing Powder

Cerium Oxide Polishing Powder

For custom production and volume discount,
please email: sales@advaluetech.com



Catalogue Number	TREO (%)	CeO ₂ /TREO (%)	D ₅₀	Color	Package (kg)	Price(/pkg)
Ce-A20	>94	62-75	2.0-2.5µm	white	0.5	\$29.13
					5	\$155.95
					20	\$530.63
Ce-B10	>94	62-75	1.0-1.4µm	white	0.5	\$36.04
					5	\$201.75
					20	\$677.17
Ce-C14	>99	>99	1.4-1.8µm	light yellow	0.5	\$29.93
					5	\$161.50
					20	\$549.50

- *Ce-A20: Used a lot for TFT-LCD thinning process. The polishing powders feature fast removal rate and easiness of cleaning.*
- *Ce-B10: Suitable for polishing optical glasses with abrasion degree of 80-200 (such as K9 glass, B270, etc). The polishing powders can be used for both sphere lens and flat glass. The polishing powders feature fast removal rate, excellent finish and easiness of cleaning.*
- *Ce-C14: Suitable for polishing optical glasses with abrasion degree less than 100, such as fused quartz. The polishing powders can be used for both sphere lens and flat glass. The polishing powders feature fast removal rate, excellent finish and easiness of cleaning.*

More than 20 additional standard grades of Cerium Oxide (CeO₂) polishing powders are available to cater for various application requirements. Please contact us to discuss your specific needs.

Laser Precision Machining

AdValue Technology offers laser machining services on various hard and brittle materials such as sapphire, glass, ceramics and silicon substrates, especially when it is too thin to be machined by mechanical process. If you need any of the following machining on those materials, we are here to help:

- Drilling
- Precision Cutting
- Scribing
- Marking

With advanced ultrashort pulse laser equipment, we are able to offer superior machining quality with high precision, small chips and fast turnaround.

Materials	<i>Sapphire, Quartz, Glass, Ceramics, Silicon and Others</i>
Processing area	<i>10cm x 10cm</i>
Machined hole diameter	<i>80μm ~ 5cm</i>
Machined area	<i>Hole, oval, star, rectangle, et al, almost any configurations</i>
Machined thickness	<i>10μm ~ 6mm</i>

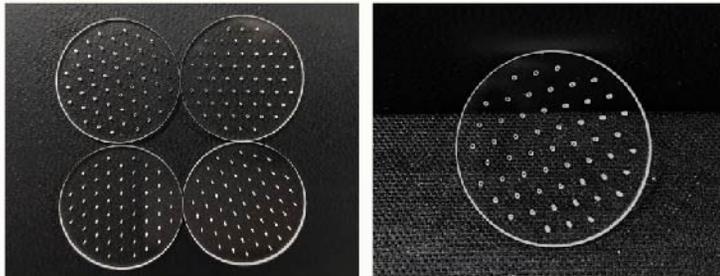


Figure 1. Fused quartz discs OD20mm*T1.5mm with 55 Dia0.25mm holes, tolerance <20 μ m, chip <100 μ m or <20 μ m

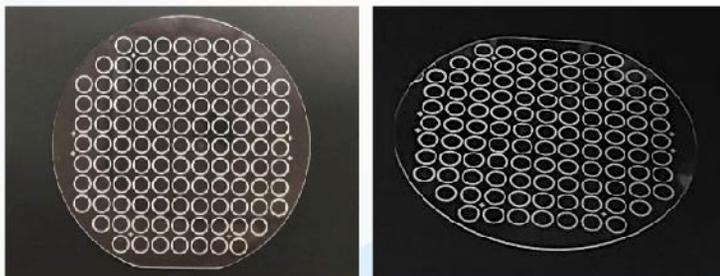


Figure 2. Sapphire wafer with 0.3mm thickness. 109 round \varnothing 2.9mm blind slots with depth 0.15mm, chip < 20 μ m.

We are happy to hear your application and how we may help you achieve your goal. Welcome to contact us at sales@advaluetech.com for further discussion.

Glass & Ceramics Laser Marker

LasePen, the advanced Glass & Ceramics Laser Marker, is to make unique marking onto your parts, such as serial number, barcode, logo, texts and pictures. LasePen enables a marking process that is fast, easy and consumables free.

Ceramic Film Products

- Glasses
- Ceramics
- Sapphire
- Quartz & Fused quartz
- And more

Benefits Highlights

- Permanent marks
- Low operation cost
- Environmental friendly
- Minimum heat affect zone
- High speed, high accuracy & high yield
- No foreign materials, no contamination

Instrument Configuration

- Marking method: Laser marking
- Beam delivery: Scanner
- Working area: 100 × 100 mm²
- Resolution: 0.01mm @ F-160mm
- Marking speed: Max. 700 mm/s
- Power supply: 110V or 220V

Models

- LasePen U1: Stationary marking
- LasePen U2: Production lines
- Custom setup and OEM available

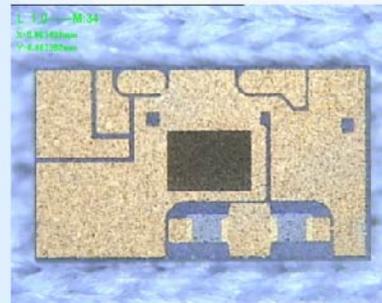
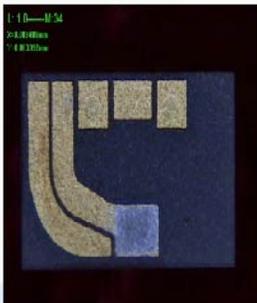


Metallization Service

Ceramic Film Products

AdValue Technology can provide Ceramic film products based on alumina, aluminum nitride, beryllium oxide, ferrite and microwave substrate such as in line ceramic substrate. We can offer fine line, fine circuit, ceramic edge side graphics and metallization, side wall coating and double sided graphical circuit.

Film Structure	Cr/Ni/Au; Ti/Pt/Au
Film Forming Method	Ion sputtering; Ion assisted evaporation
Graphic Technology	Strip width 0.015mm, minimum distance in-between 0.012mm, accuracy of 0.002mm
	Minimum size of 0.2mm * 0.2mm, accuracy of 0.02mm;
	Semiconductor lithography technology, Laser etching technology; Nano mask + photoresist technology; Lift-off technology
Film Resistor Technology	Film resistance materials: TaN, Pt, NiCr;
	Surface resistance: 10 ohms / - 50 / - 100, Omega, Omega /. Precision resistance: laser trimming (0.5%, 0.01%) Minimum resistance 1, maximum resistance 50K Omega, accuracy 5%, 10%
Thin Film Inductor Technology	Precision coil inductance
Side Graphics Metallization Technology	Precision lithography
Golden Tin Solder	Au/Sn=70~80/30~20; Film thickness: 3 microns, 5 microns; Welding temperature: 290~320 °C
Ceramic Half Cutting	Half cutting of ultra thin ceramic products

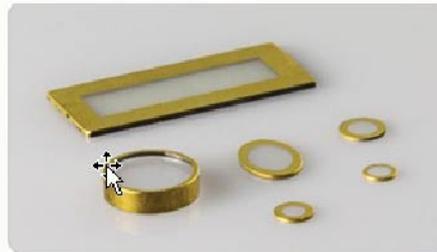
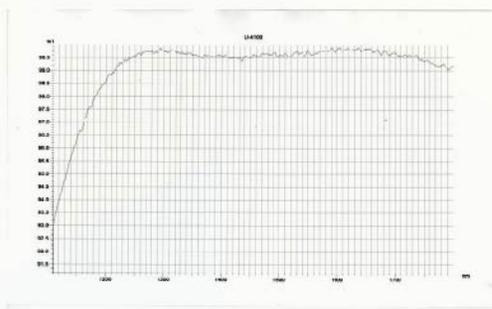


Metallization Service

Sapphire Flat Package Window

AdValue Technology offers sapphire flat package windows for active and passive optical communication device package and photoelectric detector windows. The windows improve the reliability and stability of those devices, and are a very important part of the optoelectronic devices.

Specification	Material	Dimensions (mm)	Optically Effective Diameter (mm)	Metalized Area (mm)	Spectral Specification
Ø2.5×0.28	Sapphire	Ø2.5	Ø1.6	≥ Ø1.8	1250~1650nm, T≥99%
Ø2.9×0.28	Sapphire	Ø2.9	Ø1.6	≥ Ø1.8	
Ø3.5×0.28	Sapphire	Ø3.5	Ø2.2	≥ Ø2.4	
Ø4.0×0.28	Sapphire	Ø4.0	Ø2.8	≥ Ø3.0	
Ø4.5×0.28	Sapphire	Ø4.5	Ø3.2	≥ Ø3.4	
19×6×2	Quartz	19×6	19×4	≥16.4×4.4	



Mortars and Pestles

Agate Mortars and Pestles

For custom production and volume discount,
 please email: sales@advaluetech.com



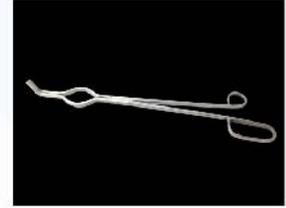
Catalogue Number	Outside Diameter		Intside Diameter		Height		Depth		Price
	mm	in	mm	in	mm	in	mm	in	
M-050	50	1.97	40	1.57	20	0.79	12	0.47	\$59.95
M-070	70	2.76	60	2.36	30	1.18	18	0.71	\$73.50
M-095	95	3.74	80	3.15	35	1.38	24	0.94	\$115.50
M-115	115	4.53	100	3.94	45	1.77	30	1.18	\$184.28
M-150	150	5.91	130	5.12	55	2.17	40	1.57	\$330.00

**Pestle included in set*

Accessories

Crucible Tongs

Catalogue Number	Length		Price
	mm	in	
T-018	450	17.71	\$52.80



Made of stainless steel for durability. Serrated claw tip with precision closure.

High Temperature Gloves

Catalogue Number	Length		Size	Price
	mm	in		
G-018	380	14.96	Fit All	\$60.50



Max service temperature 1200°F/650°C (direct contact time less than 10 seconds).

For custom production & volume discount, please email: sales@advaluetech.com.

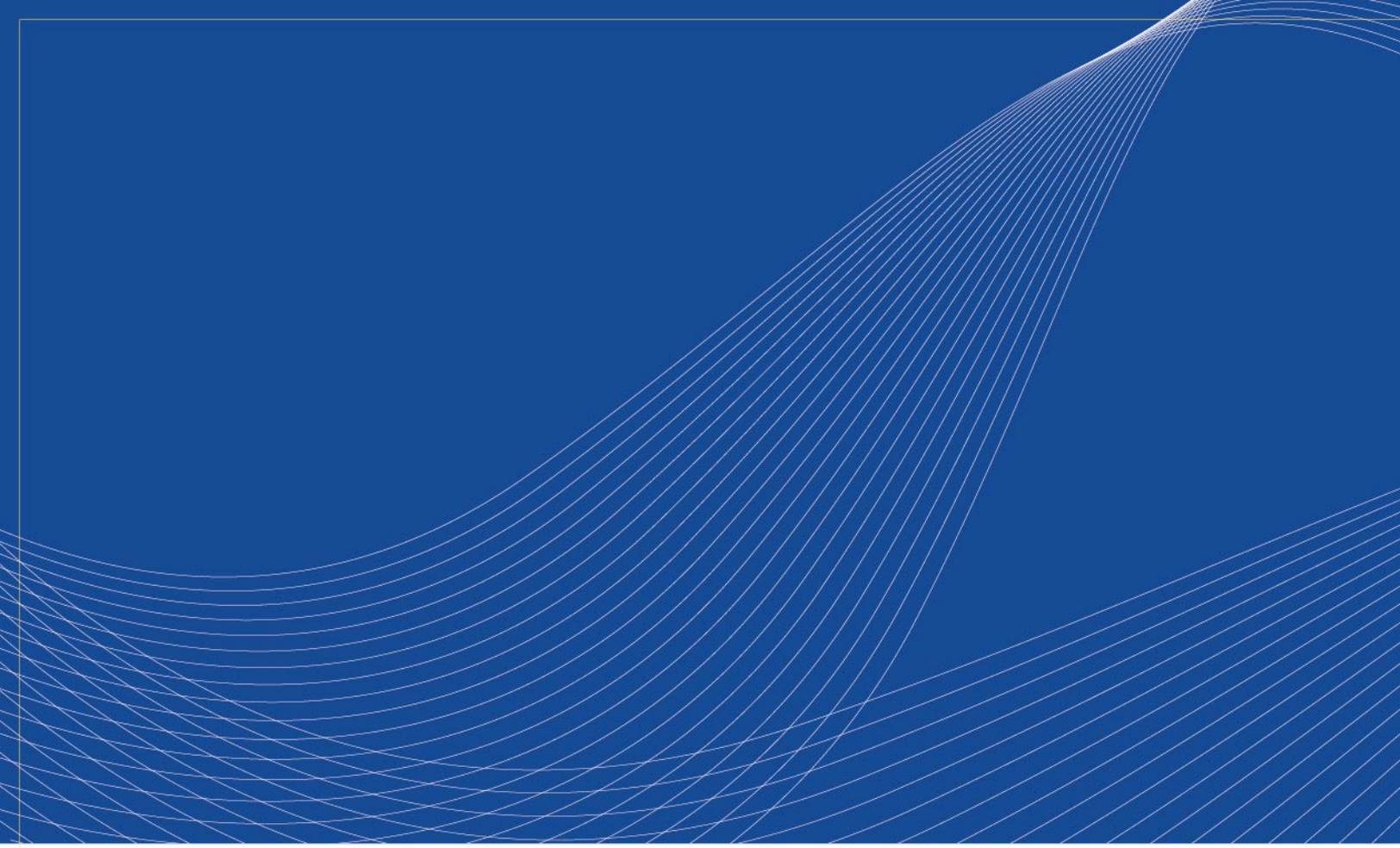
Custom Manufacturing

- Custom Dimensions
- Special tolerances and surface finishing
- OEM Parts

Custom production available to meet your special needs!

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