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*Additional information for color instructions, batch profiles, and melting schedules are available on our website
www.glasscolor.com*

At Olympic Color Rods, we pride ourselves on superior customer service, quality merchandise, and low prices. Our goal is your satisfaction. For your convenience, we accept American Express®, VISA®, MasterCard®, and Discover® credit cards; 48-hour shipment of items in stock; backorders ship upon receipt of goods from the factory, and no restocking charges on merchandise returned within 30 days of purchase.

We carry the largest inventory of Gaffer, Zimmermann, and Reichenbach (also known as (Q-Color) in North America and you can combine all three vendors to receive a quantity discount. Also available is a large selection of top quality, hand-crafted Jim Moore and Blockhead Tools; precious metal leaf (gold, silver, and copper); gold and silver foil; hand and arm protection; and the Exact torch from Denmark. Should you not find the tool or color you are looking for give us a call or e-mail your request—we'll be happy to special order for you.

Watch for BOLD FACED entries—they signify either new colors or products

ORDER INFORMATION

Ordering

- Minimum order: 1/4 kilogram rod, 1/2 kilogram powder or frit
- Internet and fax orders gladly accepted. A fax order form has been included on page 35 of this catalog.
- Gaffer, Zimmermann, and Reichenbach colors can be combined for quantity discounts.
- Prices are subject to change without notice.
- Periodic Sales are limited to stock on hand, no backorders.

Payment

- Cash, checks, American Express®, VISA®, MasterCard®, and the Discover Card®. A \$30 fee is assessed on ALL returned checks.
- Businesses and individuals operating in the State of Washington must provide a resale tax certificate to purchase wholesale.

Shipping

- We ship orders (items in stock) within 48 hours of receipt of order.
- For Overnight, Two Day, and Three Day Select shipping, please call before 1:00 p.m. Pacific Standard Time.
- Shipping charges are additional.
- Orders can ship COD by FEDERAL EXPRESS or US Mail. A COD charge of \$7.50 will be added to each shipment.

Return Policy

- Returns accepted 30 days from date of shipment without a restocking fee. Product must be in original containers with factory labels. Rods must be marked with color number. Damaged goods and unlabeled materials will not be accepted for credit. **NO RETURNS AFTER 60 DAYS. NO EXCEPTIONS.**
- Returns over 30 days from date of shipment will be assessed a 15% restocking fee. Returns **NOT PURCHASED** from OCR will be assessed a 30% restock fee or will be returned to the sender at customer expense.
- You must call for a Return Authorization before returning any product. After receiving and weighing your merchandise, Olympic Color Rods will issue a credit towards your next order.

- If the color you purchase fails the trident seal test with your clear glass, you have 90 days to exchange the color for a **REPLACEMENT**. Make sure you test each color prior to production. Test samples must be submitted before any return is authorized.

GAFFER® TRANSPARENTS

Number	Color	1-24kgs	25kgs	50kgs	100kgs
G-000	Crystal Clear	21.20	19.08	18.02	16.96
G-10	Gold Ruby Extra	54.82	49.34	46.60	43.86
G-11	Gold Amethyst	46.20	41.58	39.27	36.96
G-12	Brilliant Gold	49.22	44.30	41.84	39.38
G-13	Apricot	49.22	44.30	41.84	39.38
G-14	Gold Ruby	48.98	44.08	41.63	39.18
G-15	Hyacinth	46.51	41.86	39.53	37.21
G-20	Cobalt Blue Extra	30.18	27.16	25.65	24.14
G-21	Midnight Blue	28.95	26.06	24.61	23.16
G-22	Aquamarine Blue	27.72	24.95	23.56	22.18
G-23	Copper Blue	27.72	24.95	23.56	22.18
G-24	Steel Blue	27.72	24.95	23.56	22.18
G-25	Steel Grey	27.72	24.95	23.56	22.18
G-26	Cerulean Blue	27.72	24.95	23.56	22.18
G-30	Jade Green	27.72	24.95	23.56	22.18
G-31	Olive Green	27.72	24.95	23.56	22.18
G-32	Emerald Green	27.72	24.95	23.56	22.18
G-33	Teal Green	27.72	24.95	23.56	22.18
G-34	Fluorogreen	36.66	32.99	31.16	29.33
G-35	Forest Green	27.72	24.95	23.56	22.18
G-36	Lime Green	27.72	24.95	23.56	22.18
G-37	Sargasso Green	29.96	26.96	25.47	23.97
G-40	Purple	27.05	24.35	22.99	21.64
G-45	Indigo	27.05	24.35	22.99	21.64
G-50	Black	28.28	25.45	24.04	22.62
G-51	Aubergine	27.72	24.95	23.56	22.18
G-52	Tea	27.72	24.95	23.56	22.18
G-54	Bronze	27.72	24.95	23.56	22.18
G-55	Grey	27.72	24.95	23.56	22.18
G-59	Eel Green	27.72	24.95	23.56	22.18
G-60	Silver Blue Luster (reduces)	48.98	44.08	41.63	39.18
G-61	Gold Luster (reduces)	48.98	44.08	41.63	39.18
G-62	Black Luster (reduces)	48.98	44.08	41.63	39.18
G-63	Iris Yellow Luster (reduces)	48.98	44.08	41.63	39.18
G-65	Purple Luster (reduces)	48.98	44.08	41.63	39.18
G-67	Green Luster (reduces)	48.98	44.08	41.63	39.18
G-70*	Saffron	36.66	32.99	31.16	29.33
G-71*	Orange	36.66	32.99	31.16	29.33
G-72*	Scarlet	42.50	38.25	36.13	34.00
G-73	Citron	34.19	30.77	29.06	27.35
G-74	Cherry Red	42.50	38.25	36.13	34.00
G-75***	Copper Ruby	33.88	30.49	28.80	27.10
G-76	Yellow	36.90	33.21	31.37	29.52
G-77	Daffodil	36.90	33.21	31.37	29.52
G-80***	Photosensitive Ruby (available in full rod only)	73.86	66.70	63.11	59.54
G-90	Lime Aventurine	28.28	25.45	24.04	22.62

Frit sizes are only available in sizes F1, F2, and F3.

***Not available in Powder and F00 grain**

***Request instruction sheets when ordering or review them at www.glasscolor.com

Frit and Powder Pricing – Add \$2.00 per kilo

GAFFER® OPALS

Number	Color	1-24kgs	25kgs	50kgs	100kgs
G-100	Enamel White	31.42	28.28	26.71	25.14
G-101	Opal White	30.18	27.16	25.65	24.14
G-102	Ivory	30.18	27.16	25.65	24.14
G-103	Latte'	31.42	28.28	26.71	25.14
G-105	Duck Egg White	30.18	27.16	25.65	24.14
G-106	Cream	38.02	34.22	32.32	30.42
G-107	Weimaraner Brown	30.18	27.16	25.65	24.14
G-108	Pigeon Grey	30.18	27.16	25.65	24.14
G-110	Gold Pink Extra	48.98	44.08	41.63	39.18
G-111	Salmon	36.90	33.21	31.37	29.52
G-112	Pale Rose	36.34	32.71	30.89	29.07
G-113	Heliotrope	48.98	44.08	41.63	39.18
G-114	Purple	48.98	44.08	41.63	39.18
G-120	Lapis Blue Extra	31.42	28.28	26.71	25.14
G-121	Pale Blue	30.18	27.16	25.65	24.14
G-122	Turquoise	30.18	27.16	25.65	24.14
G-123	Steel Blue	30.18	27.16	25.65	24.14
G-124	Robin's Egg Blue	30.18	27.16	25.65	24.14
G-125	Denium Blue	30.18	27.16	25.65	24.14
G-130	Jade Green	30.18	27.16	25.65	24.14
G-131	Olive Green	30.18	27.16	25.65	24.14
G-132	Granny Smith Green	30.18	27.16	25.65	24.14
G-133	Lime Green	30.18	27.16	25.65	24.14
G-134	Forest Green	30.18	27.16	25.65	24.14
G-135	Celadon	30.18	27.16	25.65	24.14
G-136	Chartreuse	31.08	27.97	26.42	24.86
G-179	Diablo Red	41.27	37.14	35.08	33.02
G-180	Ferrari Red	40.04	36.04	34.03	32.03
G-181	Chilli Red	35.43	31.89	30.12	28.34
G-182	Orange	35.43	31.89	30.12	28.34
G-183	Taxi Cab Yellow	35.43	31.89	30.12	28.34
G-184	Canary Yellow	35.43	31.89	30.12	28.34
G-185	Corn Yellow	35.43	31.89	30.12	28.34
G-186	Tangerine	35.43	31.89	30.12	28.34
G-187	Lemon Yellow	35.43	31.89	30.12	28.34
G-188	Pale Primrose	36.90	33.21	31.37	29.52
G-STUDENT	6 Transparents, 6 Opaques (1/4" rods only)				31.39

NOTE: Opals have a high softening point. Internal cracking may occur creating small bubbles if not preheated properly. Recommended soak temperature of 600° (1,110°F) prior to transferring rod to be heated in the glory hole.

Frit and Powder Pricing – Add \$2.00 per kilo

GAFFER® CASTING GLASS

Number	Color	Pound	100lbs	300 lbs
G-210	Clear	6.67	6.20	5.74
G-215	Grey	6.67	6.20	5.74
G-217	Pale Grey	6.67	6.20	5.74
G-220	Apricot	9.46	8.83	8.14
G-221**	Gold Ruby (strikes)	9.46	8.83	8.14
G-230	Orange Red	9.46	8.83	8.14
G-235	Dark Orange Red	9.46	8.83	8.14
G-240	Light Yellow	6.67	6.20	5.74
G-242	Yellow	6.67	6.20	5.74
G-245	Yellow / Amber	6.67	6.20	5.74
G-250	Cobalt Blue	6.67	6.20	5.74
G-251	Copper Blue	6.67	6.20	5.74
G-252	Aquamarine	6.67	6.20	5.74
G-253	Steel Blue	6.67	6.20	5.74
G-254	Lagoon	6.67	6.20	5.74
G-255	Pale Copper Blue	6.67	6.20	5.74
G-256	Pale Aquamarine	6.67	6.20	5.74
G-257	Pale Steel Blue	6.67	6.20	5.74
G-258	Pale Lagoon	6.67	6.20	5.74
G-259	Pale Cobalt Blue	6.67	6.20	5.74
G-260	Emerald Green	6.67	6.20	5.74
G-261	Jade Green	6.67	6.20	5.74
G-262	Olive Green	6.67	6.20	5.74
G-263	Lime Green	6.67	6.20	5.74
G-265*	Citrine	7.00	6.51	6.02
G-266	Pale Emerald Green	6.67	6.20	5.74
G-267	Pale Jade Green	6.67	6.20	5.74
G-268	Pale Olive Green	6.67	6.20	5.74
G-269	Pale Lime Green	6.67	6.20	5.74
G-270	Lilac	7.00	6.51	6.02
G-272	Hyacinth	8.53	7.93	7.34
G-275	Purple	7.00	6.51	6.02
G-276	Gold Amethyst (strikes)	9.46	8.80	8.14
G-278	Rhubarb	8.84	8.22	7.60
G-280	Pink	8.84	8.22	7.60
G-285	Fuchsia	9.46	8.80	8.14
G-290	Black	7.00	6.51	6.02
G-300**	Opaline White	6.67	6.20	5.74

SOLD IN FULL BILLETS, CANNOT BE BROKEN.
SEED FREE 1KG SEMI ROUND BILLETS ADD \$1.00/LB

* Do not mix with other colors including clear.

** See separate instruction sheet in the back of the catalog.

CASTALOT AND LUMINAR CASTING PRODUCTS

Number	Description	Each
C-ASTA-LOT	Glass Mold Material (sold in 25lb box)	81.25/bx
C-ASTA-BAG	Glass Mold Material (sold in 10 lb bag)	37.50/bag
Z-LUMINA-R	Mold Mix 6 for Casting	33.99/qt

Reichenbach® Transparent

Number	Color	1-24kgs	25kgs	50kgs	100kgs
R- 2	Gold Ruby	42.34	38.11	35.99	33.87
R- 3	Extra Dark Gold Pink	49.15	44.24	41.78	39.32
R- 5	Extra Dark Gold Ruby	49.15	44.24	41.78	39.32
R- 6	Salmon Pink	43.67	39.30	37.12	34.94
R- 8	Yellowish Aurora	42.34	38.11	35.99	33.87
R- 9	Fucshia	43.84	39.46	37.26	35.07
R- 10	Violet Blue	27.65	24.89	23.50	22.12
R- 11	Heliotrope	48.97	44.07	41.62	39.18
R- 12	Reddish Amethyst	40.18	36.16	34.15	32.14
R- 13	Amethyst	40.18	36.16	34.15	32.14
R- 14	Deep Hyacinth Violet	42.50	38.25	36.13	34.00
R- 17	Honey Yellow	26.57	23.91	22.58	21.26
R- 18	Extra Light Old Gold	26.57	23.91	22.58	21.26
R- 19	Gold Topaz	41.30	37.17	35.11	33.04
R- 20	Brilliant Yellow	29.31	26.38	24.91	23.45
R- 21	Lime Yellow	23.98	21.58	20.38	19.18
R- 24	Light Green	41.58	37.42	35.34	33.26
R- 25	Extreme Dark Green	29.80	26.82	25.33	23.84
R- 26	Emerald Green	25.18	22.66	21.40	20.14
R- 27	Grass Green	25.89	23.30	22.01	20.71
R- 28	Pure Green	23.98	21.58	20.38	19.18
R- 29	New Emerald Green	26.31	23.68	22.36	21.05
R- 30	Tourmaline	26.31	23.68	22.36	21.05
R- 32	Bristol Green	26.31	23.68	22.36	21.05
R- 33	Dark Green	26.31	23.68	22.36	21.05
R- 35	Dark Teal Green	26.57	23.91	22.58	21.26
R- 36	Moss Green	21.72	19.55	18.46	17.38
R- 37	Sargasso Green	26.31	23.68	22.36	21.05
R- 40	Aqua Blue	23.98	21.58	20.38	19.18
R- 41	Dark Blue	26.31	23.68	22.36	21.05
R- 42	Copper Ruby	29.80	26.82	25.33	23.84
R- 43	Steel Blue	23.98	21.58	20.38	19.18
R- 44	Neutral Gray	26.46	23.81	22.49	21.17
R- 45	Marine Blue	25.19	22.67	21.41	20.15
R- 47	Aquamarine Blue	23.98	21.58	20.38	19.18
R- 49	Turquoise Blue	23.98	21.58	20.38	19.18
R- 50	Reddish Dark Violet	25.18	22.66	21.40	20.14
R- 51	Brown	26.31	23.68	22.36	21.05
R- 52	Olive Brown	26.31	23.68	22.36	21.05
R- 53	Olive Green	26.31	23.68	22.36	21.05
R- 54	Extra Dense Black	27.49	24.74	23.37	21.99
R- 55	Bluish Dark Violet	25.18	22.66	21.40	20.14
R- 57	Aubergine	26.84	24.16	22.81	21.47
R- 58	Aventurine Old Gold	33.50	30.15	28.48	26.80
R- 59	Aventurine Green	26.31	23.68	22.36	21.05
R- 60	Opaline	25.18	22.66	21.40	20.14
R-100	Lead Crystal	23.90	21.51	20.32	19.12
R-110	Photosensitive Yellow (rod only)	43.41	39.07	36.90	34.73
R-111	Photosensitive Gold Ruby (rod only)	44.97	40.49	38.24	35.99
R-112	Photosensitive Copper Ruby (rod only)	Call For Pricing			

Frit and Powder Pricing – Add \$2.00 per kilo

00 Frit – Add \$5.00 per kilo

Reichenbach® Transparent

Number	Color	1-24kgs	25kgs	50kgs	100kgs
R-118	Smoky Topaz	26.84	24.16	22.81	21.47
R-128	Iris Violet (reduces)	40.18	36.16	34.15	32.14
R-136	Iris Green (reduces)	43.44	39.10	36.92	34.75
R-139	Strawberry 02/2004	Call for Pricing			
R-140	Orange	27.46	24.71	23.34	21.97
R-141	Roma Red (strikes)	39.52	35.57	33.59	31.62
R-142	Cherry Red (strikes)	39.52	35.57	33.59	31.62
R-143	Garnet (deep transparent red)	34.52	31.07	29.34	27.62
R-144	Silver Dark Blue (reduces to red inside, cobalt out)	36.82	33.14	31.30	29.46
R-145	Iris Blue (reduces)	42.50	38.25	36.13	34.00
R-146	Iris Black (reduces)	25.18	22.66	21.40	20.14
R-210	Sari Blue	26.31	23.68	22.36	21.05
R-211	Iris Light Blue (reduces)	30.03	27.03	25.53	24.02
R-212	Brilliant Gold	42.04	37.84	35.73	33.63
R-213	Opal Garnet Red	28.29	25.46	24.05	22.63
R-215	Gold Brown (reduces)	41.35	37.22	35.15	33.08
R-217	Light Iris Gold (reduces)	34.37	30.93	29.21	27.50
R-218	Iris Gold (reduces)	41.35	37.22	35.15	33.08
R-219	Yellow Green	23.98	21.58	20.38	19.18
R-220	Old Gold	24.26	21.83	20.62	19.41
R-221	Light Blue	25.18	22.66	21.40	20.14
R-225	Alabaster	25.55	23.00	21.72	20.44
R-228	Dark Heliotrope	26.31	23.68	22.36	21.05
R-229	Amber Yellow	26.31	23.68	22.36	21.05
R-231	Extra Brilliant Ruby	58.92	53.03	50.08	47.14
R-232	Cranberry Pink	50.54	45.49	42.96	40.43
R-233	Smoky Gray	24.43	21.99	20.77	19.54
R-234	Dark Amber	25.55	23.00	21.72	20.44
R-235	Smoky Blue	28.80	25.92	24.48	23.04
R-240	Medium Amber	26.31	23.68	22.36	21.05
R-244	Copper Ruby Light (reduces)	30.03	27.03	25.53	24.02
R-420	Mountain Blue	28.80	25.92	24.48	23.04
R-8904	Sea Green (reduces)	33.48	30.13	28.46	26.78

Reichenbach® Opaque

Number	Color	1-24kgs	25kgs	50kgs	100kgs
R- 61	Extra Enamel White Opaque	26.32	23.69	22.37	21.06
R- 62	Opal White	23.98	21.58	20.38	19.18
R- 63	Flamingo	39.00	35.10	33.15	31.20
R- 64	Opal Rose	39.00	35.10	33.15	31.20
R- 65	Opal Raspberry	40.18	36.16	34.15	32.14
R- 66	Opal Bright Pink	40.18	36.16	34.15	32.14
R- 67	Yellowish Opal Orange	26.31	23.68	22.36	21.05
R- 68	Yellowish Opal Red	32.06	28.85	27.25	25.65
R- 69	Coral Red	34.38	30.94	29.22	27.50
R- 70	Opal Green	27.79	25.01	23.62	22.23

Frit and Powder Pricing – Add \$2.00 per kilo
00 Frit – Add \$5.00 per kilo

Reichenbach® Opaque

Number	Color	1-24kgs	25kgs	50kgs	100kgs
R- 71	Sandy Yellow	26.31	23.68	22.36	21.05
R- 72	Celadon Green	22.86	20.57	19.43	18.29
R- 73	Apple Yellow	22.86	20.57	19.43	18.29
R- 74	Granny Apple Green	22.86	20.57	19.43	18.29
R- 75	Deep Green	21.72	19.55	18.46	17.38
R- 76	Opal Light Green	27.79	25.01	23.62	22.23
R- 77	Corn Yellow	26.31	23.68	22.36	21.05
R- 78	Canary Yellow	26.31	23.68	22.36	21.05
R- 79	Pea Green	23.98	21.58	20.38	19.18
R- 80	Opal Sky Blue	23.98	21.58	20.38	19.18
R- 81	Opal Light Blue	25.18	22.66	21.40	20.14
R- 82	Pastel Blue	23.98	21.58	20.38	19.18
R- 83	Lavender	26.57	23.91	22.58	21.26
R- 84	Dutch Blue	25.18	22.66	21.40	20.14
R- 85	Opal Aquamarine	23.98	21.58	20.38	19.18
R- 86	Turquoise (teal)	25.55	23.00	21.72	20.44
R- 87	Water Blue (turquoise)	25.55	23.00	21.72	20.44
R- 88	Purple Rose Special	40.18	36.16	34.15	32.14
R- 89	Marine Blue	25.39	22.85	21.58	20.31
R- 90	Opal Pigeon Blue	23.98	21.58	20.38	19.18
R- 91	Lapis Blue	23.98	21.58	20.38	19.18
R- 92	Night Blue	26.67	24.00	22.67	21.34
R- 93	Opal Sea Blue	25.18	22.66	21.40	20.14
R- 94	Opal Plum Blue	27.47	24.72	23.35	21.98
R- 95	Opal Black (reduces)	23.98	21.58	20.38	19.18
R- 96	Extra Rich Raspberry	42.34	38.11	35.99	33.87
R- 97	Lilac Red	34.72	31.25	29.51	27.78
R- 98	Elephant Gray	25.55	23.00	21.72	20.44
R- 99	Red Violet	49.15	44.24	41.78	39.32
R-101	Opal Neutral Grey	25.18	22.66	21.40	20.14
R-105	Florence	33.50	30.15	28.48	26.80
R-106	Iris Enamel Dark Brown (reduces)	39.04	35.14	33.18	31.23
R-107	Iris Opal Yellow (reduces)	39.04	35.14	33.18	31.23
R-108	Iris Orange (reduces)	34.53	31.08	29.35	27.62
R-117	Dark Green	27.60	24.84	23.46	22.08
R-120	Curry	34.51	31.06	29.33	27.61
R-121	Reddish Opal Orange	29.73	26.76	25.27	23.78
R-122	Kaiser Red	31.34	28.21	26.64	25.07
R-124	Eggplant	22.86	20.57	19.43	18.29
R-125	Ox Blood Opal	32.11	28.90	27.29	25.69
R-126	Pastel Red Opal	32.11	28.90	27.29	25.69
R-130	Opal Brown	26.31	23.68	22.36	21.05
R-134	Caramel Brown	27.69	24.92	23.54	22.15
R-148	Ferrari Red	34.51	31.06	29.33	27.61
R-150	Old Pink Rose	30.03	27.03	25.53	24.02
R-151	Pale Pink	26.31	23.68	22.36	21.05
R-152	Opal Light Violet	30.03	27.03	25.53	24.02
R-BLUREAD-V	Blue Adventurine (frit only)	61.00	54.90	51.85	48.80
R-GOLDAD-V	Gold Adventurine (frit only)	71.89	64.70	61.11	57.51

Frit and Powder Pricing – Add \$2.00 per kilo

00 Frit – Add \$5.00 per kilo

Reichenbach® Opaque

Number	Color	1-24kgs	25kgs	50kgs	100kgs
R-153	Opalescent Light Blue 02/2004	Call for Pricing			
R-154	Extra Light Blue	25.39	22.85	21.58	20.31
R-157	Pistachio Green	26.31	23.68	22.36	21.05
R-158	Light Green	27.47	24.72	23.35	21.98
R-159	Opal Olive Brown	25.55	23.00	21.72	20.44
R-160	Copper Ruby	28.82	25.94	24.50	23.06
R-161	Light Beige	25.55	23.00	21.72	20.44
R-162	Sahara	34.51	31.06	29.33	27.61
R-163	Champagne	40.08	36.07	34.07	32.06
R-164	Ocher Yellow	27.79	25.01	23.62	22.23
R-166	Opaline Rose	36.42	32.78	30.96	29.14
R-168	Apricot	31.37	28.23	26.66	25.10
R-170	Pastel Blue-Violet	36.61	32.95	31.12	29.29
R-171	New Blue	25.55	23.00	21.72	20.44
R-172	Opal Blue Gray	25.55	23.00	21.72	20.44
R-173	Rich Gray	25.55	23.00	21.72	20.44
R-174	Opal Gray	25.55	23.00	21.72	20.44
R-175	Pastel Green-Yellow	36.61	32.95	31.12	29.29
R-178	Opal Nile Green	25.89	23.30	22.01	20.71
R-179	May Green	26.57	23.91	22.58	21.26
R-181	Opal Gray-Green	26.31	23.68	22.36	21.05
R-182	Opal Light Gray	27.38	24.64	23.27	21.90
R-185	Light Gold	27.38	24.64	22.37	21.90
R-186	White Gold	34.37	30.93	29.21	27.50
R-187	Cyan Gray	26.07	23.46	22.16	20.86
R-192	Iris Night Blue (reduces)	34.37	30.93	29.21	27.50
R-216	Antique Red	33.01	29.71	28.06	26.41
R-222	Light Tobacco (reduces)	23.98	21.58	20.38	19.18
R-223	Cinnamon Brown	25.55	23.00	21.72	20.44
R-224	Light Chocolate	25.55	23.00	21.72	20.44
R-226	Mustard Yellow	23.98	21.58	20.38	19.18
R-227	Jade Green	23.98	21.58	20.38	19.18
R-230	Extra Light Tobacco	42.48	38.23	36.11	33.98
R-241	Opal Dark Green	26.31	23.68	22.36	21.05
R-242	Deep Blue	23.98	21.58	20.38	19.18
R-243	Czar Green	23.98	21.58	20.38	19.18
R-245	Czar Blue	26.57	23.91	22.58	21.26
R-246	Coffee Brown	28.62	25.76	24.33	22.90
R-540	Black (lead free)	27.49	24.74	23.37	21.99
R-610	Extra Enamel White (soft)	23.98	21.58	20.38	19.18
R-620	White (lead free)	27.49	24.74	23.37	21.99
R-4291	Dark Olive	28.62	25.76	24.33	22.90
R-STUDEN-T	Reichenbach color pack (6 transparent, 6 opaque) AVAILABLE IN ROD ONLY				28.35
R-STUDFRT	A variety of frit sizes in both opaque and transparent colors				29.00



**Frit and Powder Pricing – Add \$2.00 per kilo
00 Frit – Add \$5.00 per kilo**

Zimmermann Transparent Colors

Number	Color	1-24kgs	25kgs	50kgs	100kgs
Z- 1	Crystal Clear (not available in rod form)	35.82	32.24	30.45	28.65
Z- 2	Mixed Chips	36.56	32.90	31.08	29.25
Z- 6	Olive Green	30.64	27.58	26.04	24.51
Z- 7	Smoke Gray	30.64	27.58	26.04	24.51
Z- 8	Steel Gray	30.64	27.58	26.04	24.51
Z- 9	Plum	30.64	27.58	26.04	24.51
Z-19	Dense Black	34.39	30.95	29.23	27.51
Z-60	Fuchsia	47.07	42.36	40.01	37.66
Z-61	Dark Gold Ruby	57.54	51.79	48.91	46.03
Z-62	Medium Gold Ruby	52.51	47.26	44.63	42.01
Z-63	Salmon	52.51	47.26	44.63	42.01
Z-64	Gold Topaz	50.01	45.01	42.51	40.01
Z-65	Copper Red	32.55	29.30	27.67	26.04
Z-66	Dark Cobalt Blue	35.81	32.23	30.44	28.65
Z-67	Light Blue	30.64	27.58	26.04	24.51
Z-68	Turquoise	30.64	27.58	26.04	24.51
Z-69	Dark Emerald Green	30.64	27.58	26.04	24.51
Z-70	Light Emerald Green	30.64	27.58	26.04	24.51
Z-71	Amethyst Violet	30.64	27.58	26.04	24.51
Z-72	Yellow Green	30.64	27.58	26.04	24.51
Z-73	Light Lemon Yellow	30.64	27.58	26.04	24.51
Z-91	Dark Brown	30.64	27.58	26.04	24.51
Z-95	Dark Amber Brown	30.64	27.58	26.04	24.51
Z-350	Silver Crystal (reduces)	52.78	47.50	44.86	42.22
Z-610	Extra Dark Gold Ruby	57.72	51.95	49.06	46.18
Z-611	Extra Rich Pink	74.52	67.07	63.34	59.62
Z-640	Iridizing Amber Brown (reduces)	60.03	54.03	51.03	48.02
Z-641	Gold Brown (reduces)	58.52	52.67	49.74	46.82
Z-651	Light Copper Ruby	32.55	29.30	27.67	26.04
Z-652	Light Copper Ruby 96	32.55	29.51	27.98	26.46
Z-661	Silver Cobalt (reduces)	52.78	47.50	44.86	42.22
Z-671	Extra Light Blue	35.03	31.53	29.78	28.02
Z-672	Silver Blue (reduces)	52.78	47.50	44.86	42.22
Z-680	Dark Aqua Blue	36.96	33.26	31.42	29.57
Z-681	Light Turquoise	30.64	27.58	26.04	24.51
Z-682	Silver Aqua Blue (reduces)	51.25	46.13	43.56	41.00
Z-690	Special Dark Green	43.84	39.46	37.26	35.07
Z-691	Silver Dark Emerald Green	56.31	50.68	47.86	45.05
Z-700	Dark Emerald Blue-Green	36.96	33.26	31.42	29.57
Z-701	Aqua Blue	30.64	27.58	26.04	24.51
Z-702	Silver Green (reduces)	52.78	47.50	44.86	42.22
Z-705	Metallic Green (reduces)	52.78	47.50	44.86	42.22
Z-711	Silver Amethyst (reduces)	51.25	46.13	43.56	41.00
Z-721	Silver Yellow (reduces)	51.25	46.13	43.56	41.00
Z-740	Opaline White	36.10	32.49	30.69	28.88
Z-981	Light Amber Brown	31.79	28.61	27.02	25.43
Z-982	Dark Blue Gray	30.64	27.58	26.04	24.51
Z-6122	Dark Extra Gold Pink	81.97	73.77	69.67	65.58

Frit and Powder Pricing – Add \$2.00 per kilo**00 Frit – Add \$5.00 per kilo**

Zimmermann Opaque Colors

Number	Color	1-24kgs	25kgs	50kgs	100kgs
Z-2F	Mixed Chips	36.56	32.90	31.08	29.25
Z-74	Dense White	30.64	27.58	26.04	24.51
Z-75	Light Blue	32.55	29.30	27.67	26.04
Z-76	Gray Blue	35.03	31.53	29.78	28.02
Z-77	Avocado Green	32.55	29.30	27.67	26.04
Z-78	Lemon Yellow	32.55	29.30	27.67	26.04
Z-79	Orange Yellow	35.03	31.53	29.78	28.02
Z-80	Jade Green	32.55	29.30	27.67	26.04
Z-81	Orange	35.03	31.53	29.78	28.02
Z-82	Terra-cotta	35.03	31.53	29.78	28.02
Z-83	Kaiser Red	36.28	32.65	30.84	29.02
Z-84	Light Green	30.64	27.58	26.04	24.51
Z-85	Amethyst	32.55	29.30	27.67	26.04
Z-86	Ivory	32.55	29.30	27.67	26.04
Z-87	Blue Green	32.55	29.30	27.67	26.04
Z-88	Dark Olive Brown	32.55	29.30	27.67	26.04
Z-89	Light Lemon Yellow	32.55	29.30	27.67	26.04
Z-92	Turquoise	32.55	29.30	27.67	26.04
Z-93	Olive Green	32.55	29.30	27.67	26.04
Z-94	Yellow Green	32.55	29.30	27.67	26.04
Z-96	Light Gray	32.55	29.30	27.67	26.04
Z-97	Dark Blue	36.28	32.65	30.84	29.02
Z-99	Purple Rose Special	57.54	51.79	48.91	46.03
Z-351	Seashell Pink	47.07	42.36	40.01	37.66
Z-352	Coral Pink	52.51	47.26	44.63	42.01
Z-353	Salmon Pink	57.54	51.79	48.91	46.03
Z-761	Light Gray Blue	33.36	30.02	28.36	26.69
Z-771	Spring Green	32.55	29.30	27.67	26.04
Z-772	Blue Grass Green	32.55	29.30	27.67	26.04
Z-773	Pistachio Green	32.55	29.30	27.67	26.04
Z-774	Extra Dark Green	32.55	29.30	27.67	26.04
Z-791	Bumblebee Yellow	35.03	31.53	29.78	28.02
Z-792	Blue Olive	32.55	29.30	27.67	26.04
Z-801	Dark Emerald Green	35.03	31.53	29.78	28.02
Z-802	Olive Green	32.55	29.30	27.67	26.04
Z-811	Light Orange	32.55	29.30	27.67	26.04
Z-821	Olive Brown	32.55	29.30	27.67	26.04
Z-822	Brown	32.55	29.30	27.67	26.04
Z-831	Cherry Red	36.28	32.65	30.84	29.02
Z-832	Bright Red Opal	36.28	32.65	30.84	29.02
Z-850	Lilac	47.07	42.36	40.01	37.66
Z-851	Lilac Rose Special	47.07	42.36	40.01	37.66
Z-852	Blue Violet	32.55	29.30	27.67	26.04
Z-853	Light Amethyst	32.55	29.30	27.67	26.04
Z-854	Dusty Rose	32.55	29.30	27.67	26.04
Z-861	Iris Yellow	40.80	36.72	34.68	32.64
Z-921	Light Turquoise	32.55	29.30	27.67	26.04
Z-961	Dark Gray	35.54	31.99	30.21	28.43
Z-962	Clay Gray Opal	47.07	42.36	40.01	37.66
Z-971	Mountain Blue	38.37	34.53	32.61	30.70
Z-8511	Translucent White	30.64	27.58	26.04	24.51
Z-8512	Emerald Green	35.03	31.53	29.78	28.02

**Frit and Powder Pricing – Add \$2.00 per kilo
00 Frit – Add \$5.00 per kilo**

Photosensitive Glass

Number	Color	1-24kgs	25kgs	50kgs	100kgs
GAFFER PHOTSENSITIVE					
G-80***	Photosensitive Ruby (available in full rod only)	73.86	66.70	63.11	59.54
REICHENBACH PHOTSENSITIVE					
R-110	Photosensitive Yellow (rod only)	43.41	39.07	36.90	34.73
R-111	Photosensitive Gold Ruby (rod only)	44.97	40.49	38.24	35.99
R-112	Photosensitive Copper Ruby (rod only)	Call For Pricing			

Photosensitive Glass Products

Number	Description	Price
G-SUNLAMP	40 W –UVB Photosensitive Bulb 40 watt, 2 ft length florescent bulbs used in the production of Photosensitive Glass. This bulb can be used with Gaffer #80 Ruby , as well as Reichenbach #110 Yellow , #111 Gold Ruby , #112 Copper Ruby .	64.82
K-BALLAS-T40	40 Watt Ballast for 2 ft Fixture – Photosensitive For use with a 2ft - 40 watt bulb. Can be used in the 2 ft fixture if you wish to use the 40 watt, 2 ft bulbs. ASSEMBLY REQUIRED.	19.00
K-CORD	6ft Electrical Cord - Photosensitive 6ft Electrical Cord for attaching onto the K-FIXTUR-E20 or the K-FIXTUR-E40. ASSEMBLY REQUIRED.	4.95
K-FIXTUR-E20	20 Watt Bulb Fixture - Photosensitive 20 watt, 2 ft long fixture holds two Florescent bulbs. ASSEMBLY REQUIRED.	35.00
K-FIXTUR-E40	40 Watt Bulb Fixture - Photosensitive 2ft long florescent bulb fixture hold two 40 watt bulbs. Comes as a 20 Watt fixture that the customer will have to convert with a 40 watt Ballast (included in price).. ASSEMBLY REQUIRED. Bulbs Extra.	53.00
K-SUNBUL-B20	20 Watt UVB Photosensitive Bulb 20 watt, 2 ft length florescent bulb used in the production of Photosensitive Glass. This bulb can be used with Gaffer #80 Ruby , as well as Reichenbach #110 Yellow , #111 Gold Ruby , #112 Copper Ruby .	40.00
K-SUNBUL-B40	40 Watt UVA Photosensitive Bulb 40 watt, 2 ft length florescent bulb used in the production of Photosensitive Glass. This bulb can be used with Gaffer #80 Ruby , as well as Reichenbach #110 Yellow , #111 Gold Ruby , #112 Copper Ruby .	15.95
R-PADHES-SHT	Photosensitive Printer Receptive Adhesive Sheets	1.00
R-TRADES-HT	Photosensitive Toner Receptive Adhesive Sheets	1.00

WARNING: Read and follow instructions before use. Must be fully enclosed when in use. Wear protective eyewear: Failure to may result in severe burns or long -term injury to the eyes. Do not expose skin or eyes while bulbs are turned on. Can cause eye and skin injury and allergic reaction.

S.O.G. Thin Films - (Dichoric Glass Sheets)

Number	Description	All Sheets are 16" x 16" Square	Each
RIPPLED Black Premium Color			
D-GPBRP	Green/Pink Black Rippled Premium		150.00
D-RSBRP	Red/Silver Black Rippled Premium		150.00
RIPPLED Black Standard Color			
D-BGBRS	Blue/Gold Black Rippled Standard Color		140.00
D-CCBRS	Cyan/Copper Black Rippled Standard		140.00
D-RRBRS	Rainbow/Rainbow Black Rippled Standard		140.00
D-YBBRS	Yellow/Blue Black Rippled Standard		140.00
RIPPLED Premium Color			
D-GPRP	Green/Pink Rippled Premium Color		150.00
D-RSRP	Red/Silver Rippled Premium		150.00
RIPPLED Standard Color			
D-BGRS	Blue/Gold Rippled Standard Dichoric		140.00
D-CCRS	Cyan/Copper Rippled Standard Color		140.00
D-HCCRRS	High Cyan/Copper Red Rippled Standard		140.00
D-MGRS	Magenta/Green Rippled Standard Color		140.00
D-RRRS	Rainbow/Rainbow Rippled Standard Color		140.00
D-YBRS	Yellow/Blue Standard Ripple Dichoric		140.00
PREMIUM Color			
D-GPP	Green/Pink Premium Color Dichoric		150.00
D-RSP	Red/Silver Premium Color Dichoric		150.00
STANDARD Color			
D-BGS	Blue/Gold Standard Color Dichoric		130.00
D-CCS	Cyan/Copper Standard Color Dichoric		130.00
D-HCCRS	High Cyan/Copper Red Standard Dichoric		130.00
D-MGS	Magenta/Green Standard Color Dichoric		130.00
D-RRS	Rainbow/Rainbow Standard Color Dichoric		130.00
D-YBS	Yellow/Blue Standard Color Dichoric		130.00

DICHROIC WATERGLASS™ 96 C.O.E. From Coatings by Sandberg

Number	Description	All Sheets are 16" x 16" Cut Corners	Each
RIPPLED Uroboros 96 Waterglass (premium color)			
D-10R	Green/Magenta Rippled		150.00
D-15R	Green/Pink Rippled		150.00
RIPPLED Uroboros 96 Waterglass (standard color)			
D-11R	Pink/Teal Rippled		140.00
D-12R	Magenta/Green Rippled		140.00
D-13R	Blue /Gold Rippled		140.00
D-14R	Cyan/Red Rippled		140.00
THIN Uroboros 96 Clear Waterglass (premium color)			
D-10T	Green/Magenta "Thin"		150.00
D-11T	Pink/Teal "Thin"		150.00
D-15T	Green/Pink "Thin"		150.00
THIN Uroboros 96 Waterglass (standard color)			
D-14T	Cyan/Red "Thin"		130.00
BLACK Spectrum Waterglass			
D-13B	Blue/Gold on Black Waterglass (standard color)		130.00
D-15B	Green/Pink on Black Waterglass (premium color)		150.00
D-BLACK	Black Dichoric with dots, marquis or square patterns (6-12 per inch)		150.00
Spectrum Waterglass (premium color)			
D-10	Green/Magenta Waterglass		150.00
D-15	Green/Pink Waterglass		150.00
Spectrum Waterglass (standard color)			
D-11	Pink/Teal Waterglass		130.00
D-12	Magenta/Green Waterglass		130.00
D-13	Blue/Gold Waterglass		130.00
D-14	Cyan/Red Waterglass		130.00
D-16S	Cyan/Copper Waterglass		130.00
D-17S	Emerald Waterglass		130.00
D-18S	Salmon Waterglass		130.00
D-19S	Violet Waterglass		130.00
D-20S	Purple Waterglass		130.00
D-SET-C	Sample pack 4"x 4" squares (6 colors-D-10 - D-15)		150.00/kg
DICHSCRAP	Waterglass & Uroboros 96 Scrap Glass (clear)		55.00/lb



Blockhead Tools are top-quality, hand-crafted paddles, parchoffis, and blocks made from the wood of fruit bearing cherry and apple trees.

Paddles

Note: All paddles are made from kiln dried cherry wood and are guaranteed.

Number	Width	Length	Description	Price
P-0316	3.0"	16"	Goblet size—3/8" thick	12.07
P-0318	3.0"	18"		12.07
P-0320	3.0"	20"		12.07
P-3516	3.5"	16"		13.00
P-3518	3.5"	18"		13.00
P-3520	3.5"	20"		13.00
P-0418	4.0"	18"	Basic—1/2" thick	14.00
P-0420	4.0"	20"		14.00
P-0424	4.0"	24"		14.00
P-4518	4.5"	18"		15.00
P-4520	4.5"	20"		15.00
P-4524	4.5"	24"		15.00
P-0518	5.0"	18"		16.00
P-0520	5.0"	20"		16.00
P-0524	5.0"	24"		16.00
P-5520	5.5"	20"		17.00
P-5524	5.5"	24"		17.00
P-0620	6.0"	20"		18.00
P-0624	6.0"	24"		18.00

Swedish Style Blocks

This European style differs from the Blockhead Tools classic Seattle style in that the bout and tip are more pointed and bullet shaped. Depending on your style, this may save some marving. Made from American fruit-wood (known to outlast Alder by 4 times) in the good ol' US of A. Comes with a handle.

Number	Width	Description	Price
B-SW3	3 CM or .1.17"	Swedish Style Block	30.00
B-SW4	4 CM or 1.56"	Swedish Style Block	32.00
B-SW5	5 CM or 1.95"	Swedish Style Block	36.00
B-SW6	6 CM or 2.34"	Swedish Style Block	42.00
B-SW8	8 CM or 3.12"	Swedish Style Block	64.00
B-SW10	10 CM or 3.90"	Swedish Style Block	76.00
B-SW12	12 CM or 4.68"	Swedish Style Block	90.00
B-SW14	14 CM or 5.46"	Swedish Style Block	105.00
B-SW15	15 CM or 5.85"	Swedish Style Block	115.00



Standard Blocks

Note: Blocks are Italian style and are made from cherry, or apple wood, madrona or pear. All blocks are Fresh Green (FG), and they are guaranteed. For best results, keep handles submerged completely in water when not in use. Burn-in block evenly with glass and develop a smooth carbon layer in the block before serious use.

Number	Width	Description	Price
B-04CM	04 CM or 1.56"	Basic Block	32.00
B-05CM	05 CM or 1.95"	Basic Block	36.00
B-06CM	06 CM or 2.34"	Basic Block	42.00
B-07CM	07 CM or 2.73"	Basic Block	50.00
B-08CM	08 CM or 3.12	Basic Block	64.00
B-09CM	09 CM or 3.51"	Basic Block	68.00
B-10CM	10 CM or 3.90"	Basic Block	76.00
B-11CM	11 CM or 4.29"	Basic Block	80.00
B-12CM	12 CM or 4.68"	Basic Block	90.00
B-13CM	13 CM or 5.07"	Basic Block	95.00
B-14CM	14 CM or 5.46"	Basic Block	105.00
B-15CM	15 CM or 5.85"	Basic Block	115.00
B-16CM	16 CM or 6.24"	Basic Block	125.00
B-18CM	18 CM or 7.02"	Basic Block	135.00
B-20CM	20 CM or 7.80"	Basic Block	145.00
*B-SET	Five Block Set (any combination of 5 blocks SAVE 10 PERCENT)		VARIES

Paperweight Blocks

Number	Width	Description	Price
P-WB06	06 CM or 2.34	Paperweight Block	42.00
P-WB07	07 CM or 2.73	Paperweight Block	50.00
P-WB08	08 CM or 3.12	Paperweight Block	64.00
P-WB09	09 CM or 3.51	Paperweight Block	68.00
P-WBL	10 CM or 3.90"	Paperweight Block	76.00

Egg Blocks

Number	Width	Description	Price
B-E4CM	04 CM or 1.56"	Egg Block	32.00
B-E5CM	05 CM or 1.95"	Egg Block	36.00
B-E6CM	06 CM or 2.34"	Egg Block	42.00
B-E7CM	07 CM or 2.73"	Egg Block large	50.00

Student Blocks 50% THICKER to last 50% LONGER

Number	Width	Description	Price
B-05CMS	05 CM or 1.95"	Student Block	38.00
B-06CMS	06 CM or 2.34"	Student Block	44.00
B-07CMS	07 CM or 2.73"	Student Block	52.00
B-08CMS	08 CM or 3.12"	Student Block	66.00

Parchoffi

Note: *Parchoffis are made from cherry, apple or pear wood and are guaranteed. Handles fit all Dino, Jim Moore, and A.R.T.C.O. Jacks.*

Number	Width	Length	Description	Price
F-GPAC8	5/8 x 3/4"	8"	Goblet Size	17.50
F-GPAC10	5/8 x 3/4"	10"	Goblet Size	17.50
P-5/82	5/8"	12"	Parchoffi (Fits small Parchoffi Handles)	20.50
P-5/84	5/8"	14"		20.50
P-3/42	3/4"	12"	Parchoffi (Fits large Parchoffi Handles)	21.75
P-3/44	3/4"	14"		21.75
P-3/46	3/4"	16"		21.75

Steam Sticks

Number	Description	Price
S-8	3-3 1/2" diameter	27.00
S-10	4-4 1/2" diameter	30.00

Footing Tools

Note: *Traditional Italian style for making the perfect foot for goblets or other glass vessels.*

Number	Description	Price
FT-2	2 1/2" width to 12" length	22.00
FT-3	3" width to 12" length	22.00
FT-4	3 1/2" width to 12" length	25.00
FT-5	4" width to 12" length	25.00

Correll Cork Paddles & Garage Tools

Number	Description	Price
P-CORK	Cork Paddle 9" X 6" (OVAL, 2 per set)	95.00/SET
P-CORK-L	Cork Paddle 12"x9" (OVAL 2 per set)	119.00/SET
C-LADLE	8" Glass-Ladle (58" handle)	185.00
C-LADLE6	6" Ladle	165.00
C-PASTOR	Pastorale 6'	130.00
C-PADDLE-5	Paddle 5' x 7" x 1/2"	45.00
C-PADDLE	Paddle 6" X 9 X 21/2"	65.00
C-AVOLIO	Avolio Fork 2" (48" Shaft, 3" T-handle)	40.00
C-CFORK	Curved Fork 7" (48" Shaft, 3" T-handle)	40.00
C-SFORK	Straight Fork 7" (48" Shaft, 3" T-handle)	40.00
C-FERRO	Ferro (6" x 12" x 3/8")	75.00
C-FERROL	Large Ferro 8" x 18"	95.00
C-FERRIT-TI	Ferritti (Set of four 3 1/2" x 1/2"x 1/2")	12.00



Making the World's Best Blocks and Molds

Choose from ready made molds (listed below) or have a mold made to your specifications. Blockhead Tools converts your grid drawing into a 3-D computer model, to make a perfect mold. Designs will be stored in Blockheads database for your convenience. To special order a custom mold please fax your drawing to Olympic Color Rods at 1-888-880-RODS. All custom mold orders require 50% deposit, no cancellations, non-refundable, no exceptions will be made.

NOTE: All molds are made from cherry, apple or pear wood and are guaranteed.

BAM Series – Ready Made Molds

Number	Height & Diameter	Description	Price
BAM-APER		Aperitif	165.00
BAM-1TINI		Single Martini	160.00
BAM-2TINI		Double Martini	170.00
BAM-RED		Red Wine Glass	170.00
BAM-WHITE		White Wine Glass	170.00
BAM-PAGNE		Champagne Flute	170.00
BAM-SHOT		Shot Glass	180.00
BAM-IMPINT		Imperial Pint	180.00
BAM-PINT		Pint	185.00
BAM-SCH		Schooner	180.00
BAM-3-5HIGH	3.5" H	Highballs	200.00
BAM-5-5HIGH	5.5" H	Highballs	210.00
B- AMSEA – 2	2" Sphere	Archetype Mold: Sea Float	150.00
B-AMSEA - 3	3" Sphere	Archetype Mold: Sea Float	160.00
B-AMSEA - 4	4" Sphere	Archetype Mold: Sea Float	180.00
B-AMSEA 3-5	3.5" Sphere	Archetype Mold: Sea Float	170.00
B-AMTUMB-3	3" H	Tumbler Mold	160.00
B-AMTUMB 5	5" H	Tumbler Mold	170.00
B-AMTUMB-7	7" H	Tumbler Mold	210.00
B-AMCONE-6	6" H	Cone Mold	170.00
B-AMCONE-7	7" H	Cone Mold	210.00
B-AMCYL-3	3" Diameter	Cylinder Mold	170.00
B-AMCYL3-5	3.5" Diameter	Cylinder Mold	180.00
B-AMCYL3-5	4" Diameter	Cylinder Mold	210.00
B-AMPHORA-6	6" H	Classic Amphora	180.00
B-AMPHORA-8	8" H	Classic Amphora	200.00
B-AMPHORA-10	10" H	Classic Amphora	220.00

Steinert Molds

Number	Description	Price
S-4620A	20 Rib 4" H, Cast Aluminum Mold (open bottom)	60.00
S-4620B	20 Rib 4" H, Cast Aluminum Mold (closed bottom)	60.00
S-9318A	18 Rib 9" H, Cast Aluminum Mold (open bottom)	100.00
S-1216A	16 Rib 12" H, Cast Aluminum Mold (open bottom)	115.00
S-216A	16 Rib 2.5"H, Optic Mold (open bottom)	50.00
S-4818B	18 Rib 4" H, Optic Mold (closed bottom)	60.00
S-128B	8 Rib 12" H, Optic Mold (closed bottom)	115.00
S-6212B	12 Rib 6" H, Optic Mold (closed bottom)	73.00
S-9212A	12 Rib 9" H, Optic Mold (open bottom)	100.00
S-1212A	12 Rib 12" H, Optic Mold (open bottom)	110.00
S-1224B	24 Rib 12" H, Optic Mold (closed bottom)	110.00
S-6532B	32 Rib 6" H, Optic Mold (closed bottom)	73.00
S-3520B	20 Rib 3" H, Optic Mold (closed bottom)	55.00
S-715A	15 Rib 7" H, Optic Mold (open bottom)	79.00
S-41416A	16 Rib 4" H, Optic Mold (open bottom)	60.00
S-4512B	12 Rib 4.5"H, Optic Mold (closed bottom)	60.00
S-4138A	8 Rib 4" H, Optic Mold (open bottom)	60.00
S-4ASPLIT	Optic Mold (rounded ribs & bumps, comes w/base & kick lever)	165.00
S-6ASPLIT	Air Trap Optic Mold (great for bubbles inside or textures outside w/base & kick lever)	210.00
S-6BSPLIT	Air Trap Optic Mold (great for bubbles inside and textures, closed bottom)	210.00
S-985A	5 Point Star 9" H, Optic Mold (open bottom)	100.00
S-4105A	5 Point Star 4" H Optic Mold (open bottom)	60.00
S-MARVER-CD	Diamond Marver (1/2" x 8" x 16")	105.00
S-MARVER-C	Aluminum Cane Marver	90.00
S-MARVER-IRO	Ductile Iron Cane Marver	125.00
S-TTW	Threading Wheel	120.00

Color Charts

Number	Description	Price
C-GAFFER-C	Color Chart Gaffer Casting Color	5.00
C-CHART-SET	Gaffer, Reichenbach, and Zimmerman Supplier Color Charts. Sold as set only.	25.00
C-OMP CH-ART	Color Comparison Charts, view a range of shades within a color value. Sold as set only.	28.00
K-CHARTB-OOK	Spiral Bound Book includes C-CHART-SET and C-OMPCH-ART	40.00

Gott Garments

Number	Description	Price
G-ICET	Tank-top style garment, constructed of 100% cotton and aramid-viscose heat resistant material, 95% of the heat is blocked from reaching the protected areas while you work with a torch, at the bench, or near the kiln.	65.00
G-COOL-SE-EEV	Full-length 20" sleeve constructed of heat resistant aramid/viscose.	40.00
G-COOLSL-EET	Designed with women in mind.....same as the G-COOL-SE-EEV except tapered at the wrist.	40.00
G-STEAMER	Glass Shaping Pad	28.00

Spiral Arts Straight Punty

Shaft collars available upon request.

Number	Description	Each
S-PU-716	7/16" Straight Punty – Solid, straight , all stainless steel 54" long.	25.00
S-PU12	1/ 2" Straight Punty – Solid, straight, all stainless 52" long.	30.00
S-PU34	3/4" Straight Punty – Hollow .120 wall, straight body, all stainless, 54" long.	65.00
S-PU34STEP	3/4" Straight Punty – Hollow gathering iron with 1/2" step down tip, all stainless, no grip, 54" long.	65.00
S-PU78	7/8" Straight Punty – hollow .120 wall, straight body, all stainless 56" long, 12 inch rubber grip.	85.00
S-PU100	1" Straight Punty – hollow .120 wall, straight body, all stainless, 58" long, 12 inch rubber grip.	105.00

Spiral Arts Punty

PUNTY - All punties have counter weights or "tails". This gives the punty balance, making it comfortable to use, and increases the reliability of a good knock off. The size of the counter weight is designed to match the weight & size of the head.

STEP DOWN - Any punty or gathering iron can be ordered with a step down. You will need to specify the diameter and length of the step down tip when ordering. There is a \$10.00 charge for gathering iron step downs. Shaft collars available upon request.

Number	Description	Each
S-PU-TR	Transfer Punty – Solid 3/8" (.375) Body, 1/4" Step Down Tip, 51" Long, No Counter Weight	35.00
S-PU-TR-WST	Weighted Transfer Punty- Solid 3/8" Body, 1/4" Stainless Step Down Tip, 51" Long, Counter Wtd.	70.00
S-PU-TEN	10mm cup Punty – Solid 10mm (.395") Body 52" Long, Counter Weighted	70.00
S-PU-HC	Heavy Cup Punty – Solid 7/16" (.437") Body, 52" Long, Counter Weighted	60.00
S-PU-SP1	Extra Heavy Cup Punty- Solid 1/2" (.500") Body, 52" Long, Counter Weighted	70.00
S-PU-SP1-HB	Extra Heavy Cup Punty – Hollow .109 Wall, 1/2" (.500") Body, 52" Long, Counter Weighted	85.00
S-PU-SP2	Basic Small Punty –Hollow .120 Wall, 5/8" (.625") Body, Straight Head, 53" Long, Counter Weighted	95.00
S-PUSP2-SS	Basic Small Punty – All Stainless, dimension are the same as above.	105.00
S-PU-SS	Small Standard Punty – Hollow .091 Wall, .675" Body, 7/8" Head, 53" Long, Counter Weighted	125.00
S-PU-SS-SS	Small Standard Punty – All Stainless, .126 Wall dimensions are the same as above.	135.00
S-PU-SW	Standard Punty – Hollow .095 Wall, 3/4" (.750") Body, 1" Head, 56" Long Counter Weighted	145.00
S-PU-SW-SS	Standard Punty – All Stainless, .120 Wall , dimensions are the same as above.	150.00
S-PU-LS	Large Standard Punty – Hollow .095 Wall, 813" Body, 1-1/16" Head, 57" Long, Counter Weighted	185.00
S-PU-TBO	Extra Large Punty – Hollow .095 Wall 1" Body, 1-3/16" Head, 60" Long, Counter Weighted	225.00

Spiral Arts Blowpipes

- Steel bodies rust. This is good because rust creates tiny pits in the surface of steel bodies which gives them a natural grip preferred by most professionals. To properly care for your steel pipe, you may need to wipe it's surface down with steel wool or scotch-brite on a regular basis. If you want low maintenance, or dislike the rust on carbon steel pipes, you should consider ordering items with a stainless steel body.
- Steel pipes will start to split out scale if you get the steel above the head joint above 1,200° F
- Steel pipes are stiffer than stainless and easier to keep straight.
- Steel tube is available in more sizes than stainless.

MOUTHPIECE – Unless otherwise specified, mouthpieces are made from the same material as the body of the pipe.
 Custom mouthpieces are available in Stainless Steel \$10.00 and Acetal \$5.00

Shaft collars available upon request.

Number	Description	Each
S-PI-SMC	Small Cup Pipe – .083 Wall, 9/16" (.563) Body, 3/4" Head, 52" Long	85.00
S-PI-SMC-SS	Small Cup Pipe – All Stainless, .119 Wall same dimensions as above.	90.00
S-PI-SC	Standard Cup Pipe – .120 Wall, 5/8" (.625") Body, 7/8" Head, 53" Long	95.00
S-PI-SC-SS	Standard Cup Pipe – All Stainless,.120 Wall same dimensions as above.	100.00
S-PI-LCP	Large Cup Pipe - .091 Wall ,.675" Body, 1" Head, 54" Long	105.00
S-PI-LCP-SS	Large Cup Pipe – All Stainless, .126 Wall same dimensions as above.	110.00
S-PI-SW	Standard Workhorse Pipe – .095 Wall, 3/4" (.750")Body, 1-1/8" Head, 55" Long	145.00
S-PI-SW-SS	Standard Workhorse Pipe – .All Stainless, .120 Wall same dimensions as above. Available with plastic mouth piece and grip.	145.00
S-PI-SW-FH	Standard Workhorse Pipe Fat Head – All Stainless .120 Wall, 3/4" Body, 1-1/2" Head, 55" Long	165.00
S-PI-LW	Large Workhorse Pipe - .095 Wall, .813" Body, 1-3/16" Head, 56" Long	165.00
S-PI-XLS	Extra Large Standard - .109 Wall .875" Steel Body, 1-1/4" Head, 56" Long, 10" Rubber Grip	185.00
S-PI-BBP	Basic Big Pipe – .095 Wall, 1" Body, 1-1/2" Head, 58" Long, 10" Rubber Grip	195.00
S-PI-BBP-SS	Basic Big Pipe – All Stainless, .120 Wall same dimensions as above.	205.00
S-PI-BBP-FH	Basic Big Pipe Fat Head – All Stainless .120 Wall, 1" Body, 2" Head, 58" Long, 10" Rubber Grip	245.00

Precious Metal Leaf

All Leaf sold in books containing 25 sheets. Buy an entire box and save!! Boxes contain 20 books.

Number	Description	Box Price	Price
P-COPP	Copper Leaf	102.00	5.70/bk
P-GOLD	Gold Leaf 23 karat XX	558.00	31.00/bk
P-SILV	Silver Leaf	173.00	9.65/bk
S-SILVTH-N	Silver Leaf	180.00	9.75/bk
G-FOIL	Gold Foil		22.00/sht
S-FOIL	Silver Foil		7.50/sht

Jim Moore hand-crafted tools for glass artists

Jim Moore tool guarantee: *We guarantee your satisfaction with Jim Moore Tools. If at any time you feel a Moore tool has failed under normal conditions, we will repair or replace it free of charge.*

Special order work is always welcome! Just send us a drawing or photocopy of what you would like made.

Number	Description	Each
M-BUBBLE-SHR	Bubble Shear	85.00
M-CASTNG-SHR	Casting Shear	100.00
M-CUPSHR	Cup Shear	70.00
M-DIASHR-L	Diamond Shear (lrg)	95.00
M-DIASHR-STD	Standard Diamond Shear	90.00
M-DIASHR-COM	Compact Diamond Shear (small)	90.00
M-CZECHD-IAS	Czech Diamond Shear	100.00
M-CZECHC-OMP	Compact Czech Diamond Shear (small)	100.00
M-DUCKS-HR	Duckbill Shear	70.00
M-TRIMSH-R	Trim Shear	70.00
M-COPAL	Copa (lrg)	80.00
M-COPAS	Copa (sml)	80.00
M-CPADDL-E	Color Paddle	25.00
M-PADDLE-G	Graphite Paddle (blade 9" x 3", overall length 15")	65.00
M-CWPRUN-T	Coarse Waffle Prunt	70.00
M-FWPRUN-T	Fine Waffle Prunt	70.00
M-FLARIN-G	Flaring Tool for Lampworking	25.00
M-FCRIMP-3/4	Flat Crimp 3/4" wide	70.00
M-FCRIMP-1	Flat Crimp 1" wide	70.00
M-FCRIMP-125	Flat Crimp 1-1/4" wide	70.00
M-FCRIMP-1.5	Flat Crimp 1.5" wide	70.00
M-LCRIMP	Leaf Crimp	90.00
M-DFCRIMP	Diamond Facet Crimp	150.00
M-CLAMCR-IMP	Fan/Clam Shape Crimp (great for making fins)	150.00
M-CRIMP-DIA	Fancy Diamond/Waffle Crimp 1-1/4" W	150.00
M- WCRIMP	Fancy Small Diamond/Waffle Crimp 1" Wide	120.00
M-GOBLET-JK	Goblet Jack	300.00
M-CUPJAC-K	Cup Jack (sm handle w/8" blade)	200.00
M-JACK8	Standard Jack 8"	175.00
M-JACK8R	Round Jack 8"	140.00
M-JACK9	Standard Jack 9"	185.00
M-JACK9R	Round Jack 9"	150.00
M-JACK10-5	Standard Jack 10.5"	195.00
M-LBPUFF	Bent Puffer (lrg)	60.00
M-MBPUFF	Bent Puffer (med)	60.00
M-SBPUFF	Bent Puffer (sml)	60.00
M-LSPUFF	Straight Puffer (lrg)	60.00
M-MSPUFF	Straight Puffer (med)	60.00
M-SMPUFF	Straight Puffer (sml)	60.00
M-XLSPUFF	Extra Large Straight Puffer	80.00

Jim Moore hand-crafted tools for glass artists

Number	Description	Each
M-PARCHO-L	Parchoffi handle (Lrg)	60.00
M-PARCHO-S	Parchoffi handle (small)	60.00
M-PARCHO-SQ	Parchoffi handle (small) with square back	60.00
M-PARSTI-CKS	Parchoffi Sticks for small handle	10.00
M-PARSTI-LRG	Parchoffi Sticks for large handle	10.00
M-FINMOL-D	Large detachable fin mold	375.00
M-FINMOL-D6T	Fin mold – Tallest of the fin molds with 6 sides	57.20
M-FINMOL-DS	Small six sided molds for wine goblet cups	65.00
M-FINMOL-DS8	Small eight sided molds for wine goblet cups	65.00
M-FINMOL-DL6	Large six sided molds for wine goblet cups	65.00
M-FINMOL-DL8	Large eight sided molds for wine goblet cups	65.00
M-PIDIV	Pi Divider 12 ½" Length	30.00
M-PIDIV-S	Small Pi Divider 6 ¼ " length	20.00
M-RINGTL	Ring Tool #0 / 1.125 in Dia	55.00
M-RINGTL-1	Ring Tool #1 / 1.375 in Dia	55.00
M-RINGTL-2	Ring Tool # 2 / 1.625 in Dia	55.00
M-RINGTL-3	Ring Tool #3 / 2" in Dia	55.00
M-RINGTL-4	Ring Tool #4 / 2.125 in Dia	55.00
M-RINGTL-5	Ring Tool #5 / 2.375 in Dia	55.00
M-RINGTL-6	Ring Tool #6 / 2.875 in Dia	55.00
M-SCRIMP-5	Straight Crimp ½" wide	80.00
M-SCRIMP-75	Straight Crimp ¾" wide	80.00
M-SCRIMP-1	Straight Crimp 1" wide	80.00
M-SCRIMP-1.5	Straight Crimp 1.5" wide	80.00
M-SPIRAL-CRM	Spiral Crimp	70.00
M-RINGCR-IMP	Concentric Ring Crimp - 3 Graduated Rings on each side	70.00
M-TAGLIO-L-L	Tagliol (lrg)	70.00
M-TAGLIO-L-S	Tagliol (sml)	60.00
M-TWEEZE-R	Tweezer (all purpose medium tweezer, 12" blade and 1 1/8" hinge)	60.00
M-TWEEZE-RL	Tweezer (lrg) 16"	80.00
M-TWEEZE-RS	Tweezer (sml) 9.75"	55.00
M-CTWEEZE-ER	Concave Tweezer 9-3/4"	55.00
M-NEEDLE-TWZ	Needle Nose 12" Tweezer	70.00
M-TWEEZE-LMP	Lampworking Tweezer	22.00

Graphite Tools

Number	Description	Each
M-GPARCH-S	Small Graphite Parchoffi Handle	65.00
M-GPARCH-L	Large Graphite Parchoffi Handle	65.00
M-ROD-S	Small Graphite Parchoffi Sticks (set) 12" long and 5/8" in width	12.00
M-ROD-L	Large Graphite Parchoffi Sticks (set) 12" long and ¾" in width	15.00
M-ROD-T	Tapered Graphite Parchoffi Sticks (set) 12" long and top is 5/8" and bottom 3/16 in width	30.00

Mr. Wizard Wonder Blocks

The wonder block is a finishing tool and is not a substitute for a traditional block. Do not use the wonder block to shape or cool glass straight out of the furnace. Wonder blocks come in a wide range of sizes to create spheres from the size of marbles to large paperweights. All of the blocks have the same shape, a half hemisphere. The all-steel construction will not change size or shape guaranteeing consistent results over time.

Hexagonal aluminum handles can be purchased separately, as well as the re-corking material.

Number	Description	Each
M-BLOCK-1	Mr. Wizard Wonderblocks – 1	\$40.00
M-BLOCK1-5	Mr. Wizard Wonderblocks –1.5	\$40.00
M-BLOCK –2	Mr. Wizard Wonderblocks – 2	\$40.00
M-BLOCK2-5	Mr. Wizard Wonderblocks – 2.5	\$40.00
M-BLOCK-3	Mr. Wizard Wonderblocks – 3	\$50.00
M-BLOCK3-5	Mr. Wizard Wonderblocks - 3.5	\$50.00
M-BLOCK-4	Mr. Wizard Wonderblocks – 4	\$50.00
M-BLOCK-5	Mr. Wizard Wonderblocks – 5	\$50.00
M-BLOCK-6	Mr. Wizard Wonderblocks – 6	\$60.00
M-BLOCK-7	Mr. Wizard Wonderblocks – 7	\$60.00
M-BLOCK-8	Mr. Wizard Wonderblocks – 8	\$60.00
M-BLOCKC-ORK	Mr. Wizard Wonderblock Cork	\$ 5.00
M-BLOCKG-LUE	Re-Corking Glue – Mr. Wizard	\$15.00
M-BLOCKH-AND	Milled Aluminum Handle for Mr. Wizard Block	\$25.00

Educational Books

Number	Description	Each
G-NOTES	GLASS NOTES by Henry Halem A reference for the glass artist, illustrated guide for building and maintaining a modern glass studio.	30.00
J-GBCOMP	A GLASSBLOWER'S COMPANION by Dudley F. Giberson, Jr A collection of designs, essays, and glassmaking ideas focusing on the underlying philosophy of hot glass	35.00
E-D'S	ED'S BEGINNING GLASSBLOWING by Edward T. Schmid A practical guide for the beginning glassblower	24.95
A-DVANCED	ADVANCED GLASSWORKING TECHNIQUES by Edward T. Schmid The everything you should have learned in school but didn't book. Advanced Glassworking Techniques takes you from the basics through special procedures with step-by-step instructions and numerous drawings.	32.95
C-L2W	CONTEMPORARY LAMPWORKING, 2 ND EDITION by Bandau Scott Dunham A comprehensive catalog of techniques including: shaping rod and tubing; making beads, marbles and paperweights; mixing colored glass, annealing procedures, surface decoration and much more. Two volume set.	59.95
K-CASTING	GLASS ON ARTIST'S MEDIUM by Lucartha Kohler Comprehensive book about glass casting featuring world renown artists.	34.95
S-ETHRAN-DL	MYTH AND MAJESTY by Seth Randall Discover Casting Glass through the eyes of Seth Randal.	40.00

Educational Videos

Number	Description	Each
G-VIDEO	AN ARTISTS VIDEO by Kathleen Gaffney	29.95/ea
F-CASTVI-DEO	JOSE CHARDIET SAND CASTING/GLASS BLOWING AT KENT STATE UNIVERSITY by Franklin Mills Press	30.00/ea

Accessories

Kevlar® Products

Protect yourself from searing heat with Kevlar fleece sleeves, insulated mitts, gloves, and covers. The gloves and mitts are triple lined to provide superior heat protection and extended life. Our mitt covers breathe new life into worn mitts. Compare the quality of our gloves and mitts to others on the market and you will witness the value for yourself.

Number	Description	Price
S-KVF905-323	23" Fleece Kevlar® Sleeve w/cuff (Replaces 9-1260) one pair	19.55/pr
S-KVF905-318	18" Fleece Kevlar® Sleeve w/cuff (Replaces 9-1261) one pair	18.10/pr
S-KVF905-33L	23" Fleece Kevlar® Sleeve; Cotton knit lined w/cuff (Replaces 9-126T) one pair	24.55/pr
S-KVF905-38L	18" Fleece Kevlar® Sleeve; Cotton knit lined w/cuff (Replaces 9-137T) one pair	24.36/pr
S-KT 870-18	18" Kevlar® Knit Sleeve	8.40
S-KT 870-18T	Kevlar® Knit Sleeve w/Thumb slot	8.35
S-KT8701-8AV	Kevlar® Knit Tube Sleeve w/Velcro (finger tacks)	8.72
9-PALM	Heat Resistant Arm Protector (Nomex®)	16.95
S-BDL154-48	Glove (Split Leather)	21.91
S-PB3024-18W	Golden Guard/PB30 18" Glove (replaces 9-18G)	93.33/pr
S-PB3024-23W	Golden Guard/PB30 23" Glove (replaces 9-23G)	99.53/pr
S-PB3097-381	PB30 18" Mitt (replaces 9-18M)	82.20/pr
S-PB3097-382	PB30 23" Mitt (replaces 9-23M)	91.25/pr
S-TH279R-10	Kevlar® Blend standard Mitt Cover (replaces G-724)	31.75/pr
S-TH3027-9R1	Kevlar® 10 oz Medium Weight Thermonol Mitt Cover (replaces G-725)	35.75/pr
S-THPB30-221	30 oz – 14" Thermonol Cuff Glove	89.99/pr
S-PB3027-9R1	Kevlar® 30 oz Heavy Weight Mitt Cover (thickest we carry)	48.78/pr
S-NK2310	Nomex® Hood Knitted (Full Face)	21.95
S-NK2310-A	Nomex® Hood Knitted (1/2 Face)	21.95
S-WR110L	Wrist Restraint (leather—Lrg)	8.97
S-WR110M	Wrist Restraint (Leather—Med)	8.97

Glove and Mitt Sets

Save 10 percent when you purchase glove or mitt sets.

Number	Description	Price
G-Set-18	Contains: 2 (S-KVF905-318) 18" Kevlar® Sleeves, 1 pair (S-PB3024-18W) 18" Gloves, and 1 (S-PB3027-9R1) Heavy Weight Cover.	144.16
G-Set-23	Contains: 2 (S-KV905-323) 23" Kevlar® Sleeves, 1 pair (S-PB3024-23W) 23" Gloves, and 1 (S-PB3027-9R1) Heavy Weight Cover.	150.15
M-Set-18	Contains: 2 (S-KVF905-318) 18" Kevlar® Sleeves, 1 pair (S-PB3097-381) 18" Mitts, and 1 (S-PB3027-9R1) Heavy Weight Cover.	134.14
M-Set-23	Contains: 2 (S-KVF905-323) 23" Kevlar® Sleeves, 1 pair (S-PB3097-382) 23" Mitts, and 1 (S-PB3027-9R1) Heavy Weight Cover.	142.69

Phillips Lens Co. Inc.

Didymium Glasses in Titmus safety frames – nonprescription.

Number	Description	Each
P- 70F	Didymium Glasses	29.95

EXACT Torches—The ultimate hand torch from Denmark

This high-quality, versatile handtorch manufactured in Denmark allows you to continuously expand its use. The flame is adjusted with a finger trigger control or a knob that also acts as a pilot. We offer a complete basic torch, along with several interchangeable parts. You can order multiple head extension tubes, six different tip sizes, and two lengths of extension tubes.

Burners

Number	Description	Price
U-GS10	109,000 BTU burner, standard control handle w/pilot valve (1106h) & brass trigger valve, 4" extension tube (includes marshal regulator w/6' hose ready to connect to a 10 LB or larger propane bottle).	139.00
U-GS32	197,000 BTU burner U-3821 standard control handle w/pilot valve (1106h) & brass trigger valve, 4" extension tube (includes marshal regulator w/6' hose ready to connect to a 10 LB or larger propane bottle)	153.00
U-STRIKE	8442 Flat File Flint Striker	2.50

Torch Tips

Number	Description	Price
U-3810	50K BTU burner, open low output (Replaced 3009)	27.00
U-3811	120K BTU, 45mm Open Burner (Replaced 3111)	27.00
U-3821	197k BTU open burner(Replaces U-3211)	42.30
U-3851	297K BTU burner, 60mm Open Burner (Replaced 3311)	47.00

Repair Kits

Number	Description	Price
U-4016-7A1	Disc Gasket	.60
U-5106	Hose 6' rubber	25.00
U-4806-7G	Trigger Repair Kit	11.70
U-4106-5	Adjustment Valve Repair Kit	8.21
U-1106-H	Replacement Handle	62.00
U-5895	0-60 PSI regulator, straight through POL (vapor withdrawal only) UL Listed (Replaced 5595)	47.50

Extension Tubes

Number	Description	Price
U-2804	4" (Replaced 2104)	14.60
U-2808	8" (Replaced 2108)	23.00

NOTE To order Exact torches east of the Mississippi call Wemswel at (802) 948-2209

Miscellaneous

Number	Description	Price
B-WAX	Bees Wax cake	1.50/ea
C-HXTL	Two Part Epoxy for Binding Glass, Metals, Plastics or Wood	40.00/ea
E-FEATHE-R16	Feathering tool 16"	13.50/ea
E-THANDL-E	Pipe Brush with T shape handle	16.00/ea
E-PIPEBR-USH	Replacement Brush for T- shape handle and brush above	13.00/ea
GIFT CER-	Gift Certificates (Available in any denomination)	Starting at 20.00
G-STEAMER	Glass Shaping Pad	28.00/ea
G-SUNLAM-P	UV Suntan Lamp Bulb for use with Photosensitive Glass, G80, R110, R111, R112	64.82/ea
J-SFBW	Small Frit Box – 8.5" long, 4.5" wide, 2.5" back	37.95/ea
J-MFBW	Medium Frit Box – 12" long, 7" wide, 4.5" back	47.95/ea
J-LFBW	Large Frit Box – 16" long, 9" wide, 6" back	57.95/ea
K-BULB-140	Replacement Bulb	11.25/ea
K-BULB-180	Replacement Bulb	33.00/ea
K-LAMP 140	Ultraviolet Lamp 6 watt Tube for Curing Adhesives	118.00/ea
K-LAMP 180	Ultraviolet Lamp 8 watt Tube for Curing Adhesives	150.00/ea
L-IQUIDL-UST	Seals sandblasted color glass	40.00/ea
M-BIT	Signing & Engraving Bit	4.95/ea
M-DIAKIT	30 Point Diamond Kit	49.95/ea
R-BUTTER-CUT	Sandblasting Stencil (Easy to draw on, easy to cut, adhesive back, 25" wide)	5.89/ft
R-LOCK	Loctite adhesive H349-31 50ml	25.00/ea
R-RODCUTT-ER	Commercial Size Rod Cutter	125.00/ea
C-BARCUT-TER	Bar cutter with shield and splitting tool	50.00/ea
S-75/6	Blowpipe hose extension (fits .75 shaft, 6 ft length)	28.75/ea

Museum Wax, Gel & Putty

Number	Description	Each
F-CLEAR –GEL	Clear Museum Gel	8.95
F-MUSEUM-WAX	Museum Wax	4.54
F-MUSEUM-PUT	Museum Putty	4.54

NEW PRODUCT**Crucibles by Guadalupe Glass Corporation**

Number	Description	Each
<u>CYLINDER FLAT BOTTOM</u>		
G3772	Cylinder Flat Bottom 14 lbs Outside Diameter 7.5" Height 6" Wall Thickness 7/16" Bottom Thickness .5" Cubic Inches 190 Theoretical lb of Glass 14lbs	56.00
G2928	Cylinder Flat Bottom 33 lbs Outside Diameter 9 7/8" Height 8" Wall Thickness 7/16" Bottom Thickness 5/8" Cubic Inches 483 Theoretical lb of Glass 33 lbs	80.00
G5718	Cylinder Flat Bottom 35 lbs Outside Diameter 11" Height 8" Wall Thickness 1" Bottom Thickness 1" Cubic Inches 433 Theoretical lb of Glass 35 lbs	145.00
<u>ROUND BOTTOM</u>		
G5692	Round Bottom 27 lbs Outside Diameter 11" Height 8" Wall Thickness 7/8" Bottom Thickness 1" Cubic Inches 367 Theoretical lb of Glass 27 lbs	145.00
G5564	Round Bottom 80 lbs Outside Diameter 14.5" Height 12" Wall Thickness 1" Bottom Thickness 1" Cubic Inches 1094 Theoretical lb of Glass 80 lbs	235.00
G5396	Round Bottom 95 lbs Outside Diameter 16" Height 11.5" Wall Thickness 7/8" Bottom Thickness 1" Cubic Inches 1295 Theoretical lb of Glass 95 lbs	275.00
G4566	Round Bottom 131 lbs Outside Diameter 19" Height 12 5/8" Wall Thickness 1.25" Bottom Thickness 1.25" Cubic Inches 1808 Theoretical lb of Glass 131 lbs	400.00
G5565	Round Bottom 190 lbs Outside Diameter 22" Height 13.5" Wall Thickness 1.25" Bottom Thickness 1.5" Cubic Inches 2613 Theoretical lb of Glass 190 lbs	520.00
G5099	Round Bottom 270 lbs Outside Diameter 24" Height 15" Wall Thickness 1.5" Bottom Thickness 1.25" Cubic Inches 3691 Theoretical lb of Glass 270 lbs	590.00
G5468	Round Bottom 385 lbs Outside Diameter 28" Height 17" Wall Thickness 1.5" Bottom Thickness 2" Cubic Inches 5317 Theoretical lb of Glass 385 lbs	1165.00

Pre-Packaged Product Sets

Students Sets are pre-packaged sets of materials that are for the individual who wants to become familiar with the concepts of glass blowing. Advanced and novice sets are for the "up-and-coming" glassblower that wants to start blowing glass on their own and needs the basics to get started.

Number	Description	Price
Student Sets		
S-TUDENT-1	SET INCLUDES (1 Beginning Glassblowing by Edward T. Schmid, 1 G-STEAMER shaping pad, 1 kilo practice color – specify rod, frit or powder)	67.75/set
S-TUDENT-2	SET INCLUDES (1ea Advanced Glassworking Techniques by Edward T. Schmid, 1 G-STEAMER Shaping pad, 1 kilo practice color – specify rod, frit or powder)	74.95/set
P-BEGINN-ING	SET INCLUDES (1 Ed Schmid's "Beginning Glassblowing", Ed Schmid's "Advanced Glass Blowing", and Kathleen Gaffney's "Art Glass Video"). ****SAVE 10% WHEN PURCHASED AS A PACKAGE****	87.90/set
G-STUDEN-T	SET INCLUDES (Gaffer Student Pack "6 transparent and 6 opaque rod only" For example: Red, Blue, Green, Yellow, Orange, and Purple)	31.39/set
R-STUDEN-T	SET INCLUDES (Reichenbach Student Pack "6 transparent and 6 opaque rod only" For example: Red, Blue, Green, Yellow, Orange, and Purple)	28.35/set
R-STUDFRT	A variety of frit sizes in both opaque and transparent colors Package has one each of F00 to F4	32.00Each

Advanced and Novice Glassblower Sets

P-ADVANCED	SET INCLUDES (Standard Workhorse Pipe Stainless, Standard Punty , Medium 12" Tweezers, Standard 8" Jack, Standard Diamond Shear, Trim Shear, 6cm Blockhead Block, 8cm Blockhead Block, 4x20 Basic Paddle, and 18" or 23" Glove Set.) Package purchased with 18" Glove Set is priced at \$965.18. Package purchased with 23" Gloves is priced at \$971.83. ****SAVE 5% WHEN PURCHASED AS A PACKAGE****	18" glove 916.92/set 23" glove 923.23/set
P-WORKING	SET INCLUDES (Blowpipe Extension Hose, Didymium Glasses, 18" Kevlar Knit Sleeve, Student Color Pack (Reichenbach or Gaffer), Reichenbach Student Frit Package). Package price using G-Student is 122.85. Package price using R-Student is 114.14. ****SAVE 5% WHEN PURCHASED AS A PACKAGE**** ****Want to save more? Purchase the "Working Glassblower" package and select three items that are listed in Intermediate/Advanced Package and save 10% instead.****	116.70/set

Practice Color

Number	Description	Price
SCRAP	Assorted color. You can order rod, frit, or powder. Not marked as to manufacturer or item number. An inexpensive way to practice your skill.	21.00/kg

BATCH

BATCH ORDERS REQUIRE PREPAYMENT & ARE NON-CANCELABLE

Seattle Batch

Shipping out of Van Nuys, CA; South Kearney, NJ, Austin, TX; and Seattle, WA.

NO MORE LATE NIGHTS - The ultimate in Clear Blowing Glass, CBG melts, cooks and fines at lower temperatures and a faster rate than batch. CBG is not a waste product but is designed and formulated especially for studio use. This allows you to fill your furnace quickly and efficiently without the high temperatures associated with batch. We're not sure what you'll do with all the extra time or money you'll bank from lower energy bills, but with CBG you won't be burning it on batch.

Number	Description	Each
S-Clear	Seattle Batch Clear Blowing Glass Under 2000 lbs \$0.65 per lb	\$0.60

PHILIPS Pelletized Batch COE 96 - The Netherlands

Shipping out of Denver, CO; Chicago, IL; and Seattle, WA.

Olympic prides itself in same day shipping out of our many transcontinental warehouses. Pellets are true marble-size and rock-hard. Melting time is significantly faster than with powdered batches or agglomerations. There is no batch dust, so there is no health hazard during charging, and the furnace crown or superstructure does not become coated with glass. These glasses have superior workability, and are less prone to marking with tools. Barium crystal is colorless and does not turn gray or green after exposure to sunlight. These glasses are hard. They do undercut on a flat lap, and they take a fast, superior polish.

Number	Description	Each
E-G96-D	440 lbs DRUM 4096	\$ 247.00
E-G96-P	1,764 lbs (4) DRUMS OR ONE PALLET 4096	\$ 954.92

Olympic Color Rods T-Shirts

Number	Description	Each
OLY-T-SM	Short Sleeve (size Medium)	10.50
OLY-T	Short Sleeve (size XX Large)	12.50
OLY-T SL or SX	Short Sleeve (sizes Large & X-Large)	10.50

Olympic Color Rods Baseball Style Cap

BRAND NEW: Choose from our mountain scene logo or an OCR Swoosh design. You can see them on our web site www.glasscolor.com. Made of high quality material and adjustable for all sizes.

Number	Description	Each
<u>OCR Swoosh Design</u>		
P-CAPOCR-BED	Bedrock Brown color cap with Dark Olive swoosh design.	9.95/ea
P-CAPOCR-BLA	Black color cap with Teal Blue swoosh design. (not adjustable comes in sm-med and med-lrg)	9.95/ea
P-CAPOCR-GRA	Gray color cap with Maroon swoosh design.	9.95/ea
P-CAPOCR-MAI	Maize Yellow color cap with Dark Olive swoosh design.	9.95/ea
P-CAPOCR-OLI	Olive Green color cap with Texas Orange swoosh design.	9.95/ea
P-CAPOCR-RUB	Ruby Maroon color cap with Navy swoosh design.	9.95/ea
P-CAPOCR-SLA	Slate Blue color cap with Navy swoosh design.	9.95/ea

OCR Mountain Logo

P-CAPMTN-GRA	Gray color cap with Dark Olive mountain design.	9.95/ea
P-CAPMTN-MAI	Maize Yellow color cap with Dark Olive mountain design.	9.95/ea
P-CAPMTN-OLI	Olive color cap with Texas Orange mountain design.	9.95/ea
P-CAPMTN-RUB	Ruby Maroon color cap with Blue Denim mountain design.	9.95/ea
P-CAPMTN-SLA	Slate Blue color cap with Navy mountain design.	9.95/ea

OCR Beanie Caps

P-BEANIE-BLK	Black with Red color piping and OCR.	10.95/ea
P-BEANIE-NAV	All Navy knit beanie with OCR	10.95/ea

Helpful Hints

- ❖ *Blow a test piece to check for compatibility and color before beginning your production run.*
- ❖ *You can view color on our WEB site www.glasscolor.com*
- ❖ *Factory colors may change from batch to batch. Make sure the color is correct.*
- ❖ *For your convenience co-efficient expansion tables are on page 34.*
- ❖ *One bar of Zimmermann, Reichenbach and Gaffer are equal to approximately to one-kilogram.*
- ❖ *G-STEAMER PADS need to be kept moist in a plastic bag between uses. Do not fold at any time*

If you are still unsure please call our helpful sales department at 1-800-445-7742.

Gaffer Color range will show very little retardation and thus very little measurable strain, when fused to a typical soda lime glass that measures at 96×10^{-7} (20-300°C) and has an annealing range between 450-520°C (840-970°F). John Croucher

Vendor	Calculated C.O.E.*	Measured C.O.E.
Reichenbach	89×10^{-7}	$91-94 \times 10^{-7}$
Kugler/Friedrich	$83-86 \times 10^{-7}$	93×10^{-7}
Zimmermann	$86-90 \times 10^{-7}$	94×10^{-7}
Bullseye		90×10^{-7}
Lenox Crystal		94.4×10^{-7}

Base Glass Coefficient of Expansion

Vendor	Calculated C.O.E.*	Measured C.O.E.
Seattle CBG		96.0
East Bay Batch (Regular)	94.2×10^{-7}	96.6×10^{-7}
East Bay Batch (SF State)	92.75×10^{-7}	94.9×10^{-7}
East Bay 91		91.5×10^{-7}
Spruce Pine 87	87×10^{-7}	97.3×10^{-7}
Spruce Pine 83	83×10^{-7}	$91-92 \times 10^{-7}$
Fenton		92×10^{-7}
Gabbert #4		89.7
Gabbert #6		92.0
Lenox		94.4×10^{-7}
Borosilicate		$34-35 \times 10^{-7}$
Louis (new formula)		87.5×10^{-7}

*Calculated numbers are ascertained by standards established by English and Turner.

