Creative Gems

PHONE # 214-912-1542

Serving You Since 1984

Grady and Phyllis Harris
Faceting Rough Specialists

Address
104 Fieldview Dr.
Crandall, Texas 75114
214-912-1542

www.creativegems.com
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Natural Faceting Rough

Garnet

Cutting angles: Pavilion 41 degrees, Crown 39 degrees
Critical angle: 35 degrees
Refractive index: 1.75 – 1.77
Hardness: 7
Polishing: Chrome Stik on a Batt Lap

African Garnet AG-100 $1.25/ct.

This material is a mix of color, dark red to red-orange. Pieces are eye-clean to lightly included. Sizes 8 cts. to 15 cts.

Opal

Cutting angles: Pavilion 44 degrees, Crown 43 degrees
Critical angle: 43 ½ degrees
Refractive index: 1.45
Hardness: 5 – 6.5
Polishing: Cerium Oxide Pro Lap or Cerium Battstik on a Darkside Lap

Mexican Opal MO-500 $1.25/ct.

A great material for beginners. Nice white to light yellow color all pieces are clean. Sizes up to 10 cts.

Mexican Opal MO-600 $2.50/ct.

This material comes from an old mine in Mexico and has been cured for years and is very stable. All pieces are clean, well-shaped. Color is yellow-orange. Sizes 1 cts. to 10 cts.

Mexican Opal MO-800 $4.00/ct.

Very clean, well-shaped and stable material. Great red/orange color. Sizes 2 cts. to 10 cts.
Fire Opal

This material comes from the same mine as the Mexican Opal. All pieces are clean, well-shaped and very stable, with very good fire. Color will range from white to orange. Sizes 2 cts. to 5 cts.

Fire Opal

Same as FO-100, except sizes 6 cts. to 10 cts.

Peridot

Cutting angles: Pavilion 42 degrees, Crown 41 degrees
Critical angle: 37 degrees
Refractive index: 1.67
Hardness: 6.5 – 7
Polishing: Alumina A Battstik on a Batt Lap

Arizona Peridot

This material is a very nice apple green color. All pieces are eye-clean to lightly included. Sizes 1 cts. to 4.9 cts.

Arizona Peridot

Same material as APD-100, except for Sizes 5 cts to 7 cts.

Quartz

Cutting angles: Pavilion 43 degrees, Crown 42 degrees.
Critical angle: 40 degrees
Refractive index: 1.55
Hardness: 7
Polishing: Cerium Oxide Pro Lap or Cerium Battstik on a Darkside Lap

Amethyst

This is a very nice medium colored amethyst. All pieces are eye-clean, to lightly included Sizes 5 cts. to 20 cts.

Amethyst

A great medium dark color, Sizes 30 cts. to 40 cts.
**Rose D'France**  
RF-200  
$0.20/ct.

A light colored amethyst. Pieces are eye-clean. Sizes 40 cts. to 75 cts.

**Prasiolite (Green Amethyst)**  
GA-100  
$0.50/ct.

This Quartz has been treated to give it a very nice, pleasant green color. All pieces are very clean and will cut great stones. Sizes 50 cts. to 125 cts.

**Golden Citrine**  
GC-300  
$1.00/ct.

This material comes from Brazil and is a deep dark golden color. All pieces are eye-clean. Sizes 4 cts. to 15 cts.

**Golden Citrine**  
GC-800  
$2.00/ct.

Same deep color as GC-300. Sizes 25 cts. to 40 cts.

**Golden Citrine**  
GC-900  
$1.00/ct.

A nice pastel yellow-gold color. All pieces are very clean and well-shaped. Sizes 35 cts. to 75 cts.

**Red-Orange**  
ROC-400  
$3.50/ct.

This is a deep red-orange color. All pieces are exceptionally clean and blocky. Will cut a fantastic stone. Sizes 25 cts. to 30 cts.

**Honey Citrine**  
HC-100  
$0.40/ct.

A very nice honey color, eye clean and well shaped. Sizes 50 cts. to 200 cts.

**Oro Verde Quartz**  
OV-200  
$0.35/ct.

This is truly the oro verde color, a very bright yellow-green. Pieces are very clean and will yield great stones. Sizes 40 cts. to 100 cts.

**Rose Quartz**  
RQ-100  
$0.20/ct.

A nice light to medium rose color. All pieces are clean, most are sleepy, but will cut a great stone. Sizes 20 cts. to 40 cts.

**Rutilated Quartz**  
RTQ-100  
$0.10/ct.

This material is from Brazil. Quartz with needles. Pieces are eye clean and most have the FINE needles. Sizes 50 cts. to 350 cts.
Ametrine  
AT-100  
$ .50/ct.

A natural "Bi-Color", Amethyst and Citrine mix, from Bolivia. Light to medium color. All pieces are eye-clean and will give you a mix of the two colors. Sizes 50 cts. to 75 cts. Not a split of color but a mix of color.

Smokey Quartz  
SMQ-100  
$ .05/ct.

This material came from a collector, pieces are exceptionally clean. A nice light to medium champagne color. Sizes 100 cts. to 500+ cts.

Heated Smokey Quartz  
HSMQ-200  
$ .05/ct.

Smokey Quartz that has been heated, some are bi-color, green, yellow even Phantoms. This is one to have fun with. Sizes 150 cts to 400 cts.

Sapphire  

Cutting angles: Pavilion 42 degrees, Crown 40 degrees
Critical angle: 34 1/2 degrees
Refractive index: 1.76
Hardness: 9
Polishing: Ceramic Lap or Batt Lap with 60,000 or 100,000 Diastik

Sapphire  
SAP-800  
$35.00/ct.

This material is from Tanzania and has been heat treated. The colors all pieces are eye/clean and well-shaped. Sizes 2.5 cts. to 4.9 cts.

Topaz  

Cutting angles: Pavilion 42 degrees, Crown 41 degrees.
Critical angle: 38 degrees
Refractive index: 1.62
Hardness: 8
Polishing: Alumina A Battstik on a Batt Lap or 60,000 Diastik on a Batt Lap

Blue Topaz  
BT-200  
$1.25/ct.

Nice light blue color, all pieces are clean. Sizes 20 cts. to 40 cts.
Blue Topaz          BT-300          $ 1.75/ct.

A deeper blue than BT-200. Clean and well-shaped pieces. Sizes 30 cts. to 50 cts.

Blue Topaz          BT-400          $ 2.00/ct.

A very nice medium blue, these are preforms, oval and pears only

**Synthetic Rough Material**

**Laser Gems**

Chemically there are many different chemical combinations including boro-silicate, copper, cobalt, cerium, lithium aluminum, neodymium, and many more. Most of this material is blocky, with the exception of a few. Specify the weight desired and we will fill your order as close as possible, 50 ct. piece is approximately 15mm square. There is no need to orient for color or color-change, you can cut any direction to get the stone desired.

Cutting angles: Pavilion 41-43 degrees, Crown 35 degrees
Critical angle: 40 degrees
Refractive index: 1.517 – 1.7
Hardness: 6.5 – 6.75
Polishing: Super Cerium Pro Lap (Blue) or Cerium Battistik On a darkside

**Tourmalike**          LG-101          $ .10/ct.

The most remarkable laser gem on the market. This material has a fantastic color-change. A beautiful “watermelon pink” in incandescent light and it changes to a blue-green under fluorescent light.

**Alexandrium**          LG-102          $ .10/ct.

This material contains neodymium. It will be pink in the sunlight or strong incandescent lighting, and changes to a nice aquamarine blue under fluorescent or mercury vapor lights.

**Lemon Yellow**          LG-103          $ .10/ct.

A very pleasing yellow. This will produce a bright stone.
Laser Blue  

$LG-104$  

Nice electric blue, will hold it's color, to the smallest stone.

Laser Emerald Green  

$LG-105$  

Dark green color, best in 12mm or smaller stones.

Imperial Golden  

$LG-106$  

A very bright golden-yellow color.

Tourmaline Green  

$LG-107$  

Resembles a nice green Tourmaline.

Mellow Yellow  

$LG-109$  

A very nice yellow-amber color.

Dark Champagne  

$LG-112$  

Resembles a nice Smokey Quartz.

Candy Apple Red  

$LG-113$  

Just as the name implies, this is a true red.

Mint Green  

$LG-115$  

Rich, dark Tsavorite color.

Cherry Opal  

$LG-118$  

This material resembles the finest Cherry Opal, red-orange color.

Aqua  

$LG-119$  

A very nice Blue Aquamarine color.

Dark Laser Blue  

$LG-123$  

Dark shade of electric blue.
Laser Pink Rose  
LG-125  
$ .10/ct.

Very deep vibrant Pink.

Laser Magenta  
LG-126  
$ .10/ct.

The most beautiful of all the Laser Gems. A rich red wine color.

Spring Mint  
LG-128  
$ .10/ct.

Blue-Green color. Best cut in 12mm or smaller stones.

Dark Alexandrium  
LG-129  
$ .10/ct.

Same color-change as Alexandria, but darker.

Seafoam Green  
LG-130  
$ .10/ct.

A bright green with a touch of blue. Will cut a super stone.

Madeira Citrine  
LG-131  
$ .10/ct.

A very nice red-orange color. Looks like a fine madeira citrine.

Golden Citrine  
LG-132  
$ .10/ct.

Resembles the citrine that has the rich medium golden color.

Sapphire Blue  
LG-133  
$ .10/ct.

A super deep blue, best in 15mm or less.

Tanzanite  
LG-134  
$ .10/ct.

Fantastic deep blue-purple color.

Pink Ice  
LG-135  
$ .10/ct.

A very vivid, bright pink.

Lone Star Blue  
LG-136  
$ .10/ct.

A great blue topaz color, super for Lone Star Cuts.
<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amber</td>
<td>LG-137</td>
<td>$ .10/ct.</td>
</tr>
<tr>
<td>A deep yellow with orange over tones.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chartreuse-Yellow</td>
<td>LG-138</td>
<td>$ .10/ct.</td>
</tr>
<tr>
<td>A vivid yellow with green over tones</td>
<td></td>
<td></td>
</tr>
<tr>
<td>True Orange</td>
<td>LG-139</td>
<td>$ .10/ct.</td>
</tr>
<tr>
<td>A nice deep orange</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medium Aqua</td>
<td>LG-140</td>
<td>$ .10/ct.</td>
</tr>
<tr>
<td>This material has very rich aqua color.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NEW</strong> Cranberry</td>
<td>LG-143</td>
<td>$ .10/ct.</td>
</tr>
<tr>
<td>Deep Red with Pink overtones</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NEW</strong> Coral</td>
<td>LG-144</td>
<td>$ .10/ct.</td>
</tr>
<tr>
<td>Pink with Orange overtones</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NEW</strong> Light Copper</td>
<td>LG-145</td>
<td>$ .10/ct</td>
</tr>
<tr>
<td>Copper with green overtones</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NEW</strong> Peach</td>
<td>LG-149</td>
<td>$ .10/ct</td>
</tr>
<tr>
<td>Color-Change Pink to Light Green</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NEW</strong> Sunburst</td>
<td>LG-150</td>
<td>$ .10/ct</td>
</tr>
<tr>
<td>Bright Orange with Red overtones</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clear</td>
<td>LG-200</td>
<td>$ .05/ct</td>
</tr>
<tr>
<td>White to Off White Great for practicing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Laser Gem Parcel Special

We would like to introduce facetors to this incredible material. We are offering twelve of the most popular colors. Approximately fifty (50) carats of each, 600 carats of Laser Gem material, that normally cost $80.00. We offer it to you for $50.00, a $30.00 savings. NO EXCHANGE OF COLORS.

Laser Gem Parcel

<table>
<thead>
<tr>
<th>Laser Gem Parcel</th>
<th>LGP-100</th>
<th>$ 50.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tourmalike</td>
<td>LG-101</td>
<td>True Orange</td>
</tr>
<tr>
<td>Alexandrium</td>
<td>LG-102</td>
<td>Laser Aqua</td>
</tr>
<tr>
<td>Lemon Yellow</td>
<td>LG-103</td>
<td>Mint Green</td>
</tr>
<tr>
<td>Laser Blue</td>
<td>LG-104</td>
<td>Cranberry</td>
</tr>
<tr>
<td>Pink Rose</td>
<td>LG-135</td>
<td>Magenta</td>
</tr>
<tr>
<td>Dark Champagne</td>
<td>LG-112</td>
<td>Spring Mint</td>
</tr>
</tbody>
</table>

Jewel-Lite

A silica-based material, manufactured in China. This material will cut very brilliant gemstones due to its high refractive index. Pieces are blocky. A 13mm square is approximately 50 cts. Heat sensitive.

- Cutting angles: Pavilion 41-43 degrees, Crown 35 degrees
- Critical angle: 28 degrees
- Refractive index: 1.9 – 2.1
- Hardness: 6 – 6.5
- Polishing: Super Cerium Pro Lap or Cerium Battstik
  On a Darkside Lap

Jewel-Lite Violet

<table>
<thead>
<tr>
<th>JL-102</th>
<th>$ .07/ct.</th>
</tr>
</thead>
</table>

A very deep Violet-Purple.

Jewel-Lite Blue Topaz

<table>
<thead>
<tr>
<th>JL-104</th>
<th>$ .07/ct.</th>
</tr>
</thead>
</table>

Medium blue, resembles a nice dark sky blue Topaz.

Jewel –Lite Golden Topaz

<table>
<thead>
<tr>
<th>JL-106</th>
<th>$ .07/ct.</th>
</tr>
</thead>
</table>

Rich Golden color like a fine Imperial Topaz.
   Resembles a very nice Peridot.

   A very nice Lime Green color.

   Resembles the finest natural Tanzanite.

   Nice rich pink, with a slight lavender overtone.

Jewel-Lite Magenta  JL-117  $ .07/ct.
   Rich Purple-Red color

   A deep dark blue

Creative Gems

This is a Boro-Silicate Glass material. The pieces will be uniformed, like the Laser Gems and Jewel-Lite. For you beginners, this will give you a material that is easy to cut and polish, use the Laser Gems angles and polish with cerium oxide.

Siberian Amethyst  CG-101  $ .06/ct.
   Deep Amethyst color, DO NOT cut stones over 12mm

Emerald Green  CG-102  $ .06/ct.
   A very nice bright green.

Ruby Red  CG-104  $ .06/ct.
   A vivid bright red
(NEW) Mint Green  
CG-105  
$ .06/ct.  
Nice Bright Green.

(NEW) Lime Green  
CG-106  
$ .06/ct.  
Medium Green with hint of yellow.

(NEW) Pink  
CG-107  
$ .06/ct.  
Pink with purple overtones.

(NEW) Champagne  
CG-108  
$ .06/ct.  
Nice light peach color.

(NEW) Lavender  
CG-109  
$ .06/ct.  
Lavender with blue overtones.

Cubic Zirconia

The skull-melt technique is used for growing Cubic Zirconia. The material comes out of the crucible, in large crystal clusters, therefore the pieces are irregular crystal shapes.

Cutting angles: Pavilion 41 degrees, Crown 35 degrees
Critical angle: 28 degrees
Refractive index: 2.2
Hardness: 8.5
Polishing: Batt Lap with 60,000 Diastik

Diamond White (Clear)  
CZ-100  
$ .05/ct.  
This is a brilliant Diamond substitute.

Colored Cubic Zirconia

Red  
CZ-101  
$ .07/ct.  
A medium to dark red color. Most red CZ has a touch of orange.
**Apricot**  
CZ-102  
Brilliant, bright orange to red-orange color.

**Salmon Pink**  
CZ-103  
Hot pink color with a touch of orange.

**Pink**  
CZ-104  
A very nice medium pink, Kunzite color.

**Gold**  
CZ-106  
Rich Gold color.

**Amethyst**  
CZ-107  
Great true Amethyst color.

**Canary Yellow**  
CZ-108  
Bright golden canary-yellow color.

**Lavender**  
CZ-109  
Beautiful color-change material.

**Yellow**  
CZ-110  
Nice medium yellow color.

**Super Amethyst**  
CZ-111  
This is a deep electric blue-purple color. A Super Color.

**Champagne**  
CZ-112  
A nice peach color.

**Morganite**  
CZ-114  
A richer, darker peach color.
<table>
<thead>
<tr>
<th>Gemstone</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrysoberyl</td>
<td>CZ-120</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A nice light yellow-green.</td>
</tr>
<tr>
<td>Purple Rose</td>
<td>CZ-121</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A medium purple color.</td>
</tr>
<tr>
<td>Pale Champagne</td>
<td>CZ-122</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A very light champagne color, with touch of pink.</td>
</tr>
<tr>
<td>Sherry Topaz</td>
<td>CZ-123</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A deep reddish champagne color.</td>
</tr>
<tr>
<td>Rose D`France</td>
<td>CZ-124</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A very light amethyst color.</td>
</tr>
<tr>
<td>Orchid</td>
<td>CZ-125</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lavender/Pink color without a color/change.</td>
</tr>
<tr>
<td>Siberian Amethyst</td>
<td>CZ-126</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A rich Amethyst color with a red flash. Great for stones 10mm – 12mm</td>
</tr>
<tr>
<td>Lime Green</td>
<td>CZ-127</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A bright Lime Green.</td>
</tr>
<tr>
<td>Peridot</td>
<td>CZ-128</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A very nice, rich peridot color.</td>
</tr>
<tr>
<td>Peach</td>
<td>CZ-130</td>
<td>$ .07/ct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A very nice pinky/orange. Will cut a bright stone in either large or small sizes..</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A deep rich gold color, but not to dark, you can still cut large stones.</td>
</tr>
</tbody>
</table>
Color-Change and Special Colored Cubic Zirconia

**Light Andaluscite**

CZ-601 $ .12/ct.

This is a very light beige, changes to a pastel green.

**Andaluscite**

CZ-602 $ .12/ct.

A deep rich beige, changes to a rich green.

**Lemon-Lime**

CZ-603 $ .12/ct.

Changes from lemon-yellow in incandescent light, to a lime green in fluorescent light.

**Canary-Green**

CZ-606 $ .12/ct.

Changes from bright yellow in incandescent light, to a bright green in fluorescent light.

**Chartreuse**

CZ-613 $ .12/ct.

A rich bright yellow/green and changes to a bright green.

CZX Cubic Zirconia

This material may be cut and polished the same way as the other Cubic Zirconia. NOTE: CZX is a designation for shades of Blue and Green CZ.

**Green**

CZX-201 $ .16/ct.

A variety of nice green colors

**Sapphire Blue**

CZX-203 $ .16/ct.

Medium to dark sapphire blue color.

**Aqua**

CZX-205 $ .16/ct.

A very nice rich aqua color, more like the natural.
Tanzanite  
CZX-207  
$ .16/ct.

Unbelievable blue/purple.

London Blue  
CZX-211  
$ .16/ct.

This is a fantastic blue, more the color of a Kashmir Sapphire

Cubic Zirconia Parcel Special

We are offering 800 carats of colored CZ to you at a special price of $50.00, a savings of $6.00. Approximately 100 cts. of each color. NO EXCHANGE OF COLORS.

Cubic Zirconia Parcel  
CZP-100  
$ 50.00

<table>
<thead>
<tr>
<th>Gold</th>
<th>CZ-106</th>
<th>Chrysoberyl</th>
<th>CZ-120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purple Rose</td>
<td>CZ-121</td>
<td>Pale Champagne</td>
<td>CZ-122</td>
</tr>
<tr>
<td>Sherry Topaz</td>
<td>CZ-123</td>
<td>Salmon Pink</td>
<td>CZ-103</td>
</tr>
<tr>
<td>Orchid</td>
<td>CZ-125</td>
<td>Peridot</td>
<td>CZ-128</td>
</tr>
</tbody>
</table>

YAG (Yttrium-Aluminum Garnet)

Cutting angles: Pavilion 41 degrees, Crown 38 degrees
Critical angle: 30 degrees
Refractive index: 1.83
Hardness: 8.5
Polishing: Batt Lap with 60,000 Diastik

Emerald Green  
YG-101  
$ .50/ct.

True emerald green color. This is U.S.A. material.

Lavender  
YG-300  
$ .30/ct.

Light lavender, a color-change, from pink to blue.

Synthetic Corundum
Flame-Fusion

This Corundum comes in split boules, this is done by the manufacturer, to relieve strain. They are grown by the flame-fusion method. The boules are approximately 125 to 250 cts.
Cutting angles: Pavilion 42 degrees, Crown 40 degrees
Critical angle: 34 degrees
Refractive index: 1.76
Hardness: 9
Polishing: Ceramic or Batt Lap with 50,000 Diamond

Ruby Rose SC-1 $ .18/ct.
Ruby Topaz Dark Rose SC-2 $ .18/ct.
Medium Ruby Rose SC-4 $ .18/ct.
Deep Ruby Red SC-5 $ .18/ct.
Sapphire Orange SC-19 $ .18/ct.
Sapphire Gold Yellow SC-21 $ .18/ct.
Sapphire Orange Yellow SC-22 $ .18/ct.
Kashmir Blue SC-33 $ .25/ct.
Alexandrite Reddish SC-46 $ .18/ct.
Alexandrite Greenish SC-47 $ .20/ct.
Oriental Padparadshah SC-57 $ .20/ct.
Golden Ruby SC-59 $ .20/ct.
Kunzite (Blue-Purple) SC-61 $ .20/ct.
Purple Sapphire SC-65 $ .20/ct.
Olive SC-80 $ .97/ct.

Note: All blue flame-fusion synthetic corundum split boules are light in the center and must be oriented for color.

Czochralski Method

This is synthetic corundum made by the Czochralski method, which is pulled crystals. This is a more expensive process, but the crystals don’t have to be split, therefore allowing you to cut larger stones.

Clear Sapphire WS-100 $ .18/ct.

Resembles a diamond.

Laser Ruby Pink LR-100 $ .30/ct.

This material is from old stock that was used in the laser industry. It is a great hot pink color.

Magenta Sapphire MS-100 $ .45/ct.

Magenta color, will produce a fantastic stone.
A nice soft Pink with a hint orange.

**Synthetic Spinel**

Our Spinel is the finest quality. The whole boule average weight is approximately 400 cts. The diameter averages 22mm to 25mm. When looking at the outside of the spinel you can frequently notice there are minor strain cracks in the outside skin, this is common with spinel and will not cause you any problems.

<table>
<thead>
<tr>
<th></th>
<th>Cutting angles: Pavilion 42 degrees, Crown 40 degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Critical angle: 36 degrees</td>
</tr>
<tr>
<td></td>
<td>Refractive index: 1.72</td>
</tr>
<tr>
<td></td>
<td>Hardness: 8</td>
</tr>
<tr>
<td></td>
<td>Polishing: Batt Lap with 60,000 Diastik</td>
</tr>
<tr>
<td>Clear</td>
<td>SS-100</td>
</tr>
<tr>
<td>Light Aquamarine</td>
<td>SS-106</td>
</tr>
<tr>
<td>Aquamarine</td>
<td>SS-108</td>
</tr>
<tr>
<td>Ceylon Blue</td>
<td>SS-111</td>
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<tr>
<td>Medium Aquamarine</td>
<td>SS-118</td>
</tr>
<tr>
<td>Zircon Blue</td>
<td>SS-120</td>
</tr>
<tr>
<td>Zircon Green</td>
<td>SS-122</td>
</tr>
<tr>
<td>Chrysoberyl</td>
<td>SS-130</td>
</tr>
<tr>
<td>Erenite</td>
<td>SS-135</td>
</tr>
<tr>
<td>Emerald Green (pale green)</td>
<td>SS-136</td>
</tr>
</tbody>
</table>

**Synthetic Quartz**

This material is hydrothermally produced and is identical to Natural Quartz. The seed has been removed, therefore the rough is ONLY 10mm to 15mm thick.

<table>
<thead>
<tr>
<th></th>
<th>Cutting angles: Pavilion 43 degrees, Crown 42 degree</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Critical angle: 40 degrees</td>
</tr>
<tr>
<td></td>
<td>Refractive index: 1.55</td>
</tr>
<tr>
<td></td>
<td>Hardness: 7</td>
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<tr>
<td></td>
<td>Polishing: Cerium Oxide Pro Lap or Cerium Battstik</td>
</tr>
<tr>
<td></td>
<td>On a Darkside Lap</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Siberian Blue</th>
<th>SS-101</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ .10/ct.</td>
</tr>
</tbody>
</table>

Dark electric blue color.
Green       
           SQ-102  $ .10/ct.

Dark green, resembles a Tourmaline.

Citrine       
           SQ-103  $ .10/ct.

Light to medium yellow Citrine.

Red-Orange       
           SQ-104  $ .10/ct.

Dark orange Citrine color.

Russian Amethyst       
           RA-100  $ .30/ct.

This material has the finest dark Amethyst color with a touch of red.

**Strontium Titanate**

This material is created by the flame-fusion method and is one of the most brilliant of the synthetics.

Cutting angles: Pavilion 40 degrees, Crown 35 degrees
Critical angle: 25 degrees
Refractive index: 2.41
Hardness: 6
Polishing: Batt Lap with Alumina A Battstik

Yellow Strontium Titanate       
           ST-201  $ 3.00/ct.

Yellow to golden color.

**Gadolinium Gallium Garnet**

This is old stock and was one of the first diamond substitute.

Cutting angles: Pavilion 41 degrees, Crown 37 degree
Refractive index: 1.97
Hardness: 7.5
Polishing: Batt Lap with Alumina A Battstick
A very light beige color

**Equipment and Supplies**

**Pro Lap (Ultra Lap)**

The same great laps, just a new name. These are thin sheets of polyester plastic that has been pre-coated with different polishing compounds. The plain back laps are held to the Master Lap by water. A clean and easy way to polish a faceted stone, of 7.5 hardness or less. Each package contains 5 sheets.

<table>
<thead>
<tr>
<th>Material</th>
<th>6&quot;</th>
<th>Price</th>
<th>8&quot;</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cerium Oxide</td>
<td>PL/CO-6&quot;</td>
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<td>PL/CO-8&quot;</td>
<td>$12.95</td>
</tr>
<tr>
<td>Aluminum Oxide</td>
<td>PL/AO-6&quot;</td>
<td>$8.95</td>
<td>PL/AO-8&quot;</td>
<td>$10.95</td>
</tr>
<tr>
<td>Tin Oxide</td>
<td>PL/TO-6&quot;</td>
<td>$8.95</td>
<td>PL/TO-8&quot;</td>
<td>$10.95</td>
</tr>
<tr>
<td>Chrome Oxide</td>
<td>PL/CH-6&quot;</td>
<td>$8.95</td>
<td>PL/CH-8&quot;</td>
<td>$10.95</td>
</tr>
<tr>
<td>Super Cerium (Spectra)</td>
<td>PL/SC-6&quot;</td>
<td>$12.95</td>
<td>PL/SC-8&quot;</td>
<td>$16.95</td>
</tr>
</tbody>
</table>

**Diamond Pro Lap (Diamond Supreme)**

The same type of plastic lap as the Pro Lap, but these are coated with diamond. Each package contains 1 sheet.

<table>
<thead>
<tr>
<th>Mesh</th>
<th>6&quot;</th>
<th>Price</th>
<th>8&quot;</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>100,000 Mesh</td>
<td>DP/1006</td>
<td>$19.00</td>
<td>DP/1008</td>
<td>$23.50</td>
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<tr>
<td>50,000 Mesh</td>
<td>DP/506</td>
<td>$19.00</td>
<td>DP/508</td>
<td>$23.50</td>
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<tr>
<td>14,000 Mesh</td>
<td>DP/146</td>
<td>$19.00</td>
<td>DP/148</td>
<td>$23.50</td>
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<tr>
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<td>DP/36</td>
<td>$19.00</td>
<td>DP/38</td>
<td>$23.50</td>
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</tbody>
</table>

**Battstiks**

The NEWEST and EASIEST way to polish. Battstiks resemble a crayon, except it is water soluble. Just touch the stik to the lap and move outward, the water will cause the stik to melt and form a thin film.

<table>
<thead>
<tr>
<th>Material</th>
<th>Abbreviation</th>
<th>Price</th>
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<tbody>
<tr>
<td>Cerium Oxide</td>
<td>COS</td>
<td>$20.00</td>
</tr>
<tr>
<td>Alumina A</td>
<td>ALS</td>
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</tr>
<tr>
<td>Chrome Oxide</td>
<td>CHS</td>
<td>$25.00</td>
</tr>
<tr>
<td>Zirconia Oxide</td>
<td>ZOS</td>
<td>$20.00</td>
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</table>
Diastiks

Same as the Battstiks, except Diamond.

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Code</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>3000</td>
<td>DAS-3</td>
<td>$30.00</td>
</tr>
<tr>
<td>14000</td>
<td>DAS-14</td>
<td>$28.00</td>
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<tr>
<td>60000</td>
<td>DAS-60</td>
<td>$28.00</td>
</tr>
<tr>
<td>100000</td>
<td>DAS-100</td>
<td>$28.00</td>
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</table>

Batt Lap

A good solid, cast tin alloy polishing lap. This hard tin alloy allows the casting to be rigid enough to serve as a solid lap, without bonding to a base plate, or being excessively heavy. It provides sharper meets and higher speeds than are possible with lamiinated laps, and does so without the use of toxic metals such as lead and cadmium.

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
<th>Price</th>
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<tbody>
<tr>
<td>8&quot;</td>
<td>BAT8</td>
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</tr>
<tr>
<td>6&quot;</td>
<td>BAT6</td>
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</table>

Creative Disc

Creative Discs are 1/16" solid steel plates, bonded with 100% top quality diamond. Available in 6" or 8" sizes with ½" arbor, in most standard grits. Easy to use. Place on Master lap and then tighten the nut to hold in place.

<table>
<thead>
<tr>
<th>Mesh</th>
<th>8&quot;</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>60</td>
<td>CD-60-8</td>
<td>$65.00</td>
</tr>
<tr>
<td>80</td>
<td>CD-80-8</td>
<td>$59.00</td>
</tr>
<tr>
<td>100</td>
<td>CD-100-8</td>
<td>$49.00</td>
</tr>
<tr>
<td>180</td>
<td>CD-180-8</td>
<td>$49.00</td>
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<tr>
<td>260</td>
<td>CD-260-8</td>
<td>$45.00</td>
</tr>
<tr>
<td>360</td>
<td>CD-360-8</td>
<td>$45.00</td>
</tr>
<tr>
<td>600</td>
<td>CD-600-8</td>
<td>$45.00</td>
</tr>
<tr>
<td>1200</td>
<td>CD-1200-8</td>
<td>$45.00</td>
</tr>
<tr>
<td>3000</td>
<td>CD-3000-8</td>
<td>$59.00</td>
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</table>

<table>
<thead>
<tr>
<th>Mesh</th>
<th>6&quot;</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>CD-60-6</td>
<td>$55.00</td>
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<tr>
<td>80</td>
<td>CD-80-6</td>
<td>$49.00</td>
</tr>
<tr>
<td>100</td>
<td>CD-100-6</td>
<td>$45.00</td>
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<tr>
<td>180</td>
<td>CD-180-6</td>
<td>$45.00</td>
</tr>
<tr>
<td>260</td>
<td>CD-260-6</td>
<td>$39.00</td>
</tr>
<tr>
<td>Mesh</td>
<td>CD-Mesh</td>
<td>Price</td>
</tr>
<tr>
<td>----------</td>
<td>---------</td>
<td>--------</td>
</tr>
<tr>
<td>360 Mesh</td>
<td>CD-360-6</td>
<td>$39.00</td>
</tr>
<tr>
<td>600 Mesh</td>
<td>CD-600-6</td>
<td>$39.00</td>
</tr>
<tr>
<td>1200 Mesh</td>
<td>CD-1200-6</td>
<td>$39.00</td>
</tr>
<tr>
<td>3000 Mesh</td>
<td>CD-3000-6</td>
<td>$49.00</td>
</tr>
</tbody>
</table>

**Plastic Master Lap**

These are molded composite laps, with ½" arbor.

<table>
<thead>
<tr>
<th>Size</th>
<th>PML-8</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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<td>PML-8</td>
<td>$25.00</td>
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</tbody>
</table>

**Diamond Powder**

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Amount</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>100,000 Mesh</td>
<td>25cts.</td>
<td>100-25</td>
<td>$30.00</td>
</tr>
<tr>
<td>50,000 Mesh</td>
<td>25cts.</td>
<td>50-25</td>
<td>$30.00</td>
</tr>
<tr>
<td>14,000 Mesh</td>
<td>25cts.</td>
<td>14-25</td>
<td>$30.00</td>
</tr>
<tr>
<td>8,000 Mesh</td>
<td>25cts.</td>
<td>80-25</td>
<td>$30.00</td>
</tr>
<tr>
<td>3,000 Mesh</td>
<td>25cts.</td>
<td>30-25</td>
<td>$30.00</td>
</tr>
<tr>
<td>1,200 Mesh</td>
<td>25cts.</td>
<td>12-25</td>
<td>$30.00</td>
</tr>
<tr>
<td>600 Mesh</td>
<td>25cts.</td>
<td>60-25</td>
<td>$30.00</td>
</tr>
<tr>
<td>325 Mesh</td>
<td>25cts.</td>
<td>325-25</td>
<td>$30.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Amount</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>100,000 Mesh</td>
<td>50cts.</td>
<td>100-50</td>
<td>$45.00</td>
</tr>
<tr>
<td>50,000 Mesh</td>
<td>50cts.</td>
<td>50-50</td>
<td>$45.00</td>
</tr>
<tr>
<td>14,000 Mesh</td>
<td>50cts.</td>
<td>14-50</td>
<td>$45.00</td>
</tr>
<tr>
<td>8,000 Mesh</td>
<td>50cts.</td>
<td>8-50</td>
<td>$45.00</td>
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<tr>
<td>3,000 Mesh</td>
<td>50cts.</td>
<td>3-50</td>
<td>$45.00</td>
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<tr>
<td>1200 Mesh</td>
<td>50cts.</td>
<td>12-50</td>
<td>$45.00</td>
</tr>
<tr>
<td>600 Mesh</td>
<td>50cts.</td>
<td>600-50</td>
<td>$45.00</td>
</tr>
<tr>
<td>325 Mesh</td>
<td>50cts.</td>
<td>325-50</td>
<td>$45.00</td>
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</table>

**Diamond Paste**

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Amount</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>100,000 Mesh</td>
<td>5 grs</td>
<td>DPS-100-5</td>
<td>$10.00</td>
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<td>50,000 Mesh</td>
<td>5 grs</td>
<td>DPS-50-5</td>
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<td>14,000 Mesh</td>
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<tr>
<td>8,000 Mesh</td>
<td>5 grs</td>
<td>DPS-8-5</td>
<td>$10.00</td>
</tr>
<tr>
<td>3,000 Mesh</td>
<td>5 grs</td>
<td>DPS-30-5</td>
<td>$10.00</td>
</tr>
<tr>
<td>1800 Mesh</td>
<td>5 grs</td>
<td>DPS-18-5</td>
<td>$10.00</td>
</tr>
<tr>
<td>1200 Mesh</td>
<td>5 grs</td>
<td>DPS-12-5</td>
<td>$10.00</td>
</tr>
</tbody>
</table>
600 Mesh 5 grs DPS-6-5 $10.00
325 Mesh 5 grs DPS-3-5 $10.00
220 Mesh 5 grs DPS-2-5 $10.00

Hi-Tech Lapidary Saw

The 4"/5" Trim Saw is the perfect machine for trimming out cabochon pre-forms and valuable faceting material. It can be used with either a 4" or 5" blade, with a 5/8" arbor. The table has no lip, so to accommodate larger pieces of material. A ¼ HP variable speed drive motor. The removable table top makes clean up quick and easy. All saws are of unbreakable cross-linked polyethylene.
Made in U.S.A.

4" Trim Saw With Blade 22-229 $361.00
5" Trim Saw With Blade 22-227 $365.00

6" Trim Saw With Blade 22-319 $439.00
6" Trim Saw W/Blade & Vise 22-327 $539.00

10" Slab Saw With Blade 31-000 $699.00
10" Slab Saw W/Blade & Vise 31-001 $799.00

Our American made 10' x 5/8' arbor slab saw is great for cutting those hard to handle pieces, down to a manageable size. The 1/3 HP motor provides plenty of power for large cuts. The saw turns at 1740 rpm.

Hi-Tech All-U-Need

All-U-Need is a horizontal lap machine, available in 6" or 8". You can grind flats, rework quartz crystals or cut your best cabochons. It comes with the following.

* Variable speed 1/4 HP DC Motor
* 180 Mesh Metal Bond Diamond Disc
* 325 Mesh Diamond Smoothing Disc
* 600 Mesh Diamond Smoothing Disc
* 1200 Mesh Diamond Smoothing Disc
* Polish Pad w/14,000 Diamond Compound
* Disc Backing Plates (4)

6" All-U-Need w/ Accessories 20-021 $489.50
8" All-U-Need w/ Accessories 20-003 $589.95
Sure Cut Saw Blades

Sure cut diamond bonded notched rim saw blades, with steel core. A great value.

Sure Cut Blade (New Prices)

<table>
<thead>
<tr>
<th>Blade Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4X.009X 5/8&quot;-1/2&quot;</td>
<td>$7.00</td>
</tr>
<tr>
<td>5X.015X 5/8&quot;-1/2&quot;</td>
<td>$7.00</td>
</tr>
<tr>
<td>6X.015X 5/8&quot;-1/2&quot;</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

Hi-Tech Diamond Smoothing Discs

The Hi-Tech Smoothing Discs ensure a rapid removal of scratches and high spots on cabochons and can also smooth large flat areas. Using a propriety technique, a high concentration of diamond is loaded into the disc to provide an extremely aggressive grinding rate, yet leaves an exceptionally smooth surface finish. All discs come with 3M pressure sensitive adhesive backing that will bond to most laps. Sponge pads may be inserted under the disc to create a soft touch for cabochon work.

<table>
<thead>
<tr>
<th>Size</th>
<th>Grit</th>
<th>Code</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>6&quot;</td>
<td>220 Grit</td>
<td>30-021</td>
<td>$22.50</td>
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<tr>
<td></td>
<td>325 Grit</td>
<td>30-023</td>
<td>$22.50</td>
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<td></td>
<td>600 Grit</td>
<td>30-025</td>
<td>$22.50</td>
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<tr>
<td></td>
<td>1200 Grit</td>
<td>30-027</td>
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</tr>
<tr>
<td></td>
<td>3000 Grit</td>
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<td>$22.50</td>
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<td></td>
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<td>33-339</td>
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<td>8&quot;</td>
<td>33-221</td>
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<tr>
<td></td>
<td>33-223</td>
<td>$9.50</td>
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<tr>
<td>6&quot;</td>
<td>33-117</td>
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<tr>
<td></td>
<td>33-119</td>
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</tr>
</tbody>
</table>

Miscellaneous

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>80mm Sliding Brass Gauge</td>
<td>$9.60 each</td>
</tr>
<tr>
<td>Alcohol Lamp</td>
<td>$7.95 each</td>
</tr>
<tr>
<td>Linde A 1oz.</td>
<td>$17.00 each</td>
</tr>
<tr>
<td>Cerium Oxide 4oz.</td>
<td>$8.50 each</td>
</tr>
<tr>
<td>Tin Oxide 4oz.</td>
<td>$20.00 each</td>
</tr>
</tbody>
</table>