

FROM THE BENCH

Matt's Letter



Customization is a term we hear great things about these days. Our industry, as well as its consumers, have quickly embraced the noticeable increase in custom work and shopper participation.

With customization, the possibilities

are endless, however, we can't forget the little necessities that make it such a success. Products such as abrasives, polishing rouges and ring-sizing equipment are understood necessities. At Stuller, we have exactly what you need, when you need it and always at a competitive price.

Need to match a difficult ring size? Check out our Preform™ Sizing Stock. Restringing pearls? We have a wide variety of stringing tools and supplies. Looking for engraving help? Give us a call! We have everything you need from fabricated metals to diamond-tipped scribes.

Not a fan of having many supplies on hand but still want to tap into the customization market? No problem. Our CAM Services is exactly what you need. Simply send us your CAD file, and we'll fulfill it to any level of manufacturing you desire from the mold to the completed piece.

Let us lend a "customized" hand by providing you with the beauty of it all.

Matthew G. Stuller, Sr.
 MATTHEW G. STULLER, SR.
 CEO, FOUNDER AND PRESIDENT



Durston Dapping Set



25-1233
\$250.00

- High-quality dapping set for the professional jeweler who demands the best
- All pieces are hardened, ground and highly polished for perfect results
- 24 punches range in size from 3mm to 50mm
- Matching 65mm square dapping block with 26 full half-spheres
- All fit into neatly-molded base with carrying handle

Magnetic Tumbler

Best-Built Magnetic Tumbler Features:

- Workhorse AC motor
- Direct Drive
- 60-minute timer
- Auto shut-off
- Heavy-duty plastic bowls
- 100V



47-5045
 25 to 40 rings
\$995.00

47-5043
 10 to 22 rings
\$665.00

47-5041
 1 to 6 rings
\$199.00

47-5042
 to 8 rings
\$450.00

47-5044
 20 to 29 rings
\$875.00

47-5046
 50 to 100 rings
\$1,795.00

* Pins sold separately.

Fashion Initials



Whether script, block, plain, with diamonds, or color, initial necklace trims make personalized gift giving easy. Available in the complete alphabet and at several price points, initials are the ideal seller for bridesmaid's gifts, Mother's Day or graduation.

To see the complete line, visit stuller.com or call 800.877.7777 today and purchase the best value in the industry.

LETTER	Block Initials	
	14KT 1-PC	SS 1-PC
A	\$40.27	\$16.77
C	\$39.24	\$16.67
D	\$42.93	\$17.00
E	\$37.90	\$16.62
I	\$32.15	\$16.20
J	\$35.66	\$16.42
L	\$30.99	\$16.13
M	\$51.54	\$17.45
N	\$43.30	\$17.04
O	\$42.15	\$16.83
P	\$38.02	\$16.57
R	\$43.30	\$16.85
S	\$40.39	\$16.71
T	\$30.99	\$16.13
V	\$35.90	\$16.43
W	\$49.18	\$17.17
X	\$38.02	\$16.57

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Whatever you need, we've got your back!

Check out our inventory of melee diamonds in round, princess and fancy shapes. Buy one, buy 100 – as single diamonds or in parcels.

Whatever you need, we do it right for you, making you the hero.



FRESH INSPIRATION

From fresh and vibrant to rich and sweet. Pick your new colors. Find new beads. Choose your inspiration. Our Kera™ products are compatible with all competing bracelets, and there's no minimum to buy — so just have fun!



To see the entire Kera™ Collection, visit stuller.com. Call 800.877.7777 to order.

INTERTWINE COLOR AND STYLE



Watchstraps with EZ CHANGE™ spring bars are the quick and easy way to incorporate color and style into your customers lives. In crocodile or lizard, genuine padded leather and several spring colors, changing your watchbands to match any mood can be the perfect fashion accessory.



To see the entire Watch Strap Collection, visit stuller.com. Call 800.877.7777 to order.

FROM THE BENCH

CEO, FOUNDER AND PRESIDENT
Matthew G. Stuller, Sr.

CHIEF OPERATING OFFICER
Jay Jackson

CHIEF SALES & MARKETING OFFICER
Bob Cox

EXEC. DIRECTOR, MARKETING SERVICES AND PUBLIC RELATIONS
Kerry Hand

EDITOR IN CHIEF
Miriam Werquin
stullerbench@stuller.com

DESIGNER
Lori Bouillion

PHOTOGRAPHY
Maggie Hidalgo
John Rowland
Noelle White
Marie Vest

PRODUCTION
Maureen Benjamin
Lori Bouillion
Shannon Guidry, Dir.
Matthew Hernandez
Brenda Landry, Mgr.
Robert Lawson
Kisha Thompson

STAFF CONTRIBUTING WRITERS
Andy Kroungold & Shane Guidry

CONTRIBUTING GUEST WRITERS
Joel McFadden
Jane Write

PRODUCT MANAGEMENT
CONTRIBUTORS
Nathan Button, Findings
Dottie Lukaszewski, Metals
Sandi Segura, Packaging & Display
Jim Wright, Findings
Jodi Venable, Tools

EDITORIAL ADVISORY BOARD
Elizabeth Brehmer, VP, Findings
Darrell Warren, VP, Tools & Supplies/Metals

CONTACT US

stullerbench@stuller.com
www.stuller.com

Stuller Bench Magazine
P.O. Box 87777
Lafayette, LA 70598-7777
800.877.7777
337.262.7785 fax

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Metals and Findings are priced at jeweler's cost a \$1,100 gold market; \$1,400 platinum; and \$20 silver, subject to change without notice.

TRADE SHOW SCHEDULE

You don't want to miss out!

We have the best options in the industry, so be sure to come by and see us at the show for great products and great deals.

April 21 – 24 AGS Conclave Chicago (Members Only)	July 20 – July 22 NPA Las Vegas Booth TBA
April 24 – 26 INSTORE Navy Pier - Chicago Booths 1400, 1402, 1404, 1406, 1501, 1503, 1505, 1507	July 24 - 26 RJO (Members Only) Kansas City, MO
June 4 - 7 AGTA Las Vegas, NV	July 25 - 28 JA New York-Summer New York, NY
June 4 – 7 JCK Las Vegas Sands Expo & Conv. Center Plumb Club Pavilion PC 635 ETS Booth 60007	August 4 - 6 CMN Valley Forge, PA
June 17 – 19 Bench Jewelers Conf. & Expo Atlanta, Booth TBA	August 7 - 9 SJTA Atlanta, GA

HIDDEN PROFITS

Cash or Credit From People You Trust

Now paying up to 98% for your gold!

Send us your bench scrap, sweeps or inventory that is not selling and in just a few days, you will receive your settlement results.

We pay up to 90% on platinum.

Get started today!

You Choose:

1. Credit your account
2. 50/50 - 1/2 on your account 1/2 in electronic transfer
3. Electronic transfer or check for full settlement amount



Platinum Group Metals & High-Grade Filings/Grindings are now included in the **Clean Scrap Program!**



Settlements based on Fire Assay

For more information visit stuller.com/cleanscrap

All settlements will be based on after-melt weight at second London Fix on day of settlement.

PROGRAMS

Klean Karats™ Revitalizing Jewelry Care System

We'd like to introduce you to our new line of Klean Karats Jewelry care products, a line of jewelry care products complemented with the most attractive in packaging.

Educating customers about jewelry care does more than just establish a relationship; it reinforces you as an expert, building an important level of trust. Your customers look to you for expert guidance before they make a purchase and to care for the product after a purchase. By sharing what you know about jewelry care with your customers, you reinforce your status as the expert. And, your customer keeps coming back for future purchases and other jewelry-related needs. This Klean Karats packaging concept allows you to give your customer all the necessary products to keep an entire jewelry wardrobe looking its best.

Our new Klean Karats product line features a no-rinse **Fine Jewelry Cleaner**, which is excellent for gold, silver, platinum, diamond, ruby, sapphire, amethyst, and all other hard stones leaving no residue. Our **Gentle Jewelry Cleaner** is excellent for gold, silver and platinum set with pearls or soft porous stones, such as emerald, opal, aquamarine and fashion jewelry. The **Klean Karats Silver Cleaner** is to be used on all sterling and silver-plated pieces. This product is specially formulated to clean fine silver jewelry without pitting. After immersing, follow up with a Klean Karats polishing cloth. Do not use the Silver cleaner on pearls, coral, turquoise, malachite or other porous stones. This formula can remove designer's antiquing if jewelry is immersed for too long.

We have the ideal gift for your customer. The **Revitalizing Jewelry Care System** contains all of the Klean Karats care products. It consists of a 6-ounce jar of fine jewelry cleaner, a 6-ounce jar of fine silver jewelry cleaner, a 6-ounce jar of gentle jewelry cleaner and a coordinating Klean Karats cloth. The kit is attractively packaged and can be purchased at wholesale in any quantity. So buy it for your favorite customer or purchase several for resale!


17-0784
Revitalizing Jewelry Care System
\$9.95

The klean karats revitalizing jewelry care system includes one 6 oz. bottle of fine jewelry cleaner, gentle jewelry cleaner, and silver jewelry cleaner and chamois.


Add a fresh twist on a classic shank

Take one of these best selling, classicly-styled peg shanks and create a fresh bridal look, using one of our great new styles in peg settings. Each style comes in a variety of metal qualities to suit your customers

needs. For pricing or for more information on individual sizes, see the *New Findings Collection for Jewelry Makers Vol. 74* or visit online at www.stuller.com.



121235	
mm width	3.0
mm span	3.0
base wxh	1.9 x 1.9
14KT	\$151.50



10863	
mm width	2.4
mm span	4.37
base wxh	2.5 x 1.5
14KT	\$148.52



12022	
mm width	2.8
mm span	5.35
base wxh	2.2 x 1.2
14KT	\$107.91
14x1	\$110.69
18KT	\$182.68
PLAT	\$415.27



12600	
mm width	4.4
mm span	4.93
base wxh	2.4 x 1.2
14KT	\$190.03
14x1	\$190.68
18KT	\$305.26
PLAT	\$674.06



5355	
mm width	5.5
mm span	4.4
base wxh	2 x 1.3
14KT	\$169.73
14x1	\$173.71
18KT	\$285.40
PLAT	\$636.64



4559	
mm width	6.5
mm span	5.1
base wxh	3.3 x 1.5
14KT	\$247.31
18KT	\$432.58
PLAT	\$1,012.14

Twin-Prong Peg Settings

- Fashion-forward styling
- Princess split-prong head protects stone tips while setting
- Rounded prongs engineered to split evenly and form two perfect beads.
- Available in heights ranging from 6.25mm to 8.75mm



23588 14kw, 14x1, Plat

TWIN 4 PRONG PEG SETTING										
CT WEIGHT	0.23	0.38	0.50	0.75	1.0	1.25	1.5	2.0	2.5	3.0
STONE MM	4.1	4.6	5.2	5.8	6.5	7.0	7.4	8.2	8.8	9.4
MM HEIGHT	6.25	6.5	6.75	7.0	7.25	7.5	7.75	8.25	8.5	8.75
14kw 1-PC	\$14.05	\$16.03	\$18.99	\$22.45	\$27.39	\$32.82	\$35.29	\$45.17	\$52.58	\$59.01
6-PC	\$84.30	\$96.15	\$113.94	\$134.69	\$164.33	\$196.94	\$211.76	\$271.04	\$315.50	\$354.03
PLAT 1-PC	\$47.27	\$54.81	\$77.44	\$87.08	\$93.20	\$112.33	\$121.85	\$152.84	MTO	\$197.17



23589 14kw, 14x1, Plat

TWIN 4 PRONG PEG SETTING										
STONE MM	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
MM HEIGHT	6.25	6.5	6.75	7.0	7.25	7.75	8.0	8.25	8.5	8.75
14kw 1-PC	\$13.37	\$18.31	\$19.79	\$23.55	\$30.66	\$33.43	\$37.53	\$48.45	\$53.39	\$53.88
6-PC	\$80.24	\$109.88	\$118.77	\$141.30	\$183.99	\$200.58	\$225.18	\$290.69	\$320.33	\$232.30
PLAT 1-PC	\$45.12	MTO	\$67.72	\$80.64	\$104.89	\$113.36	\$123.44	\$164.40	\$185.23	\$184.35

STULLER EXCLUSIVE STYLES

TulipSet® Solstice Solitaire® and Octet™

- Classic styling
- Tall prongs to accommodate deep stones
- Precision-milled pegs for exacting fit
- Offered assembled through the Stuller Studio™ shank head assembly program

2312 14kw, 14x1, Plat

ROUND LOW PEG SETTING									
CT WEIGHT	0.25	0.33	0.5	0.75	1.0	1.25	1.5	2.0	
STONE MM	4.1	4.6	5.2	5.8	6.5	7.0	7.4	8.2	
MM HEIGHT	5.5	5.75	6.25	6.75	7.25	7.75	8.0	8.25	
14KT 1-PC	\$16.65	\$19.22	\$20.95	\$23.71	\$23.22	\$27.42	\$36.26	\$34.33	

20614 14ky, 14kw

ROUND LOW PEG SETTING										
CT WEIGHT	0.2	0.25	0.4	0.5	0.75	1.0	1.5	1.75	2.0	
STONE MM	3.8	4.1	4.8	5.2	5.8	6.5	7.4	7.8	8.2	
MM HEIGHT	4.5	4.8	5.5	5.8	6.25	6.5	7.0	7.5	7.8	
14KT 1-PC	\$13.99	\$16.33	\$20.69	\$22.37	\$26.93	\$30.28	\$36.87	\$41.62	\$42.90	

20998 14kw, 14x1, Plat

ROUND LOW PEG SETTING									
CT WEIGHT	0.25	0.5	0.65	0.75	1.0	1.25	1.5	1.75	
STONE MM	4.1	5.2	5.6	5.8	6.5	7.0	7.4	7.8	
MM HEIGHT	6.25	7.0	7.25	7.25	7.5	7.75	8.0	8.25	
14KT 1-PC	\$20.29	\$26.22	\$27.95	\$29.68	\$34.37	\$38.07	\$41.53	\$42.52	

Additional sizes available see the *New Findings Collection for Jewelry Makers Vol. 74* or visit online at www.stuller.com.

Really White Gold- no rhodium required

- x1 is your solution to high rhodium prices
- Retains ductility for optimum prong settings
- Maintains a bright white surface finish

SAVE 15% OFF

508 14x1

OVAL 6 PRONG SHANK SETTING					
CT WEIGHT	0.5	0.75	1.0	1.5	2.0
STONE MM	6x4	7x5	7.5x5.5	8x6	9x7
MM HEIGHT	6.25	6.75	7.0	7.5	8.0
14x1 1-PC	\$12.29	\$14.37	\$17.94	\$27.81	\$0.00

406 14x1

MARQUISE 6 PRONG SHANK SETTING						
CT WEIGHT	0.25	0.33	0.5	0.75	1.0	1.25
STONE MM	6x3	6x3.5	8x4.5	8.5x4.5	9.5x5	10.5x5.5
MM HEIGHT	5.75	6.0	6.25	6.75	7.0	7.25
14x1 1-PC	\$10.75	\$11.63	\$12.96	\$17.50	\$17.58	\$21.53

309 14x1

ROUND 6 PRONG TALL SHANK SETTING						
STONE MM	0.25	0.4	0.5	0.75	1.0	1.25
CT WEIGHT	4.0-4.1	4.2-4.9	5.0-5.3	5.7-6.0	6.0-6.6	6.6-7.2
MM BAIL ID	7.5	7.75	8.0	8.25	8.5	9.0
14x1 1-PC	\$11.22	\$12.64	\$14.85	\$18.67	\$20.76	\$25.17

21348 14x1

ROUND 4 PRONG HEAVY WIRE BASKET SETTING							
CT WEIGHT	0.06	0.1	0.16	0.25	0.33	0.5	0.75
STONE MM	2.5	3.0	3.5	4.0	4.5	5.0	6.0
MM HEIGHT	3.75	4.0	4.5	4.75	5.0	5.5	6.0
14x1 1-PC	\$5.08	\$6.72	\$7.87	\$8.98	\$10.08	\$11.77	\$14.12

23864 14x1

PRINCESS 4 PRONG TAPERED WIRE BASKET SETTING								
STONE MM	3.5	4.0	4.5	5.0	5.5	6.5	7.0	8.0
MM HEIGHT	4.5	4.75	5.0	5.5	5.75	6.25	6.75	7.25
14x1 1-PC	\$8.40	\$10.08	\$13.23	\$15.45	\$15.67	\$22.00	\$23.00	\$26.79

		
SH2 light 6-prong shank	SH3 light 4-prong shank	SH238 heavy 4-prong shank
shoulder w x h 2.5 x 2.25	shoulder w x h 2.8 x 3.25	shoulder w x h 3.25 x 3.65
base w x h 2.0 x 1.3	base w x h 2.0 x 1.35	base w x h 2.5 x 2.0
1-PC \$39.58	1-PC \$39.22	1-PC \$88.86
		
SH237 heavy 6-prong shank	SH157 flat end shank	SH129 flat end shank
shoulder w x h 3.0 x 3.8	shank style #1 #2	mm od 2.75
base w x h 2.5 x 2.0	mm od 3.5 4.0	shoulder w x h 2.8 x 2.5
1-PC \$89.26	shoulder w x h 2.35 x 2.8 2.35 x 2.95	base w x h 2.0 x 1.35
	base w x h 2.0 x 1.5 2.1 x 1.6	1-PC \$61.81
	1-PC \$65.52 \$77.61	

Additional sizes are available at stuller.com or call 800.877.7777 to order

*Prices shown reflect a 15% discount

Tags for Branding Custom Jewelry

Personalize your tags to make a lasting impression.











	
23848 14ky, 14kw	23917 SS
OVAL TAGS	OVAL TAGS
MM OD 9.75x5.5	MM OD 8x6
HOLE ID'S 1.5	HOLE ID'S 0.9
14KT 1-PC \$10.65	SS 1-PC \$0.65
6-PC \$10.26	6-PC \$0.62
	
23915 SS	23849 14ky, 14kw
OVAL TAGS	RECTANGULAR TAGS
MM OD 11x6	MM OD 11.6x4.8
HOLE ID'S 1.0	HOLE ID'S 1.5
14KT 1-PC \$0.76	14KT 1-PC \$11.95
6-PC \$0.73	6-PC \$11.37

Figure Eight Catches

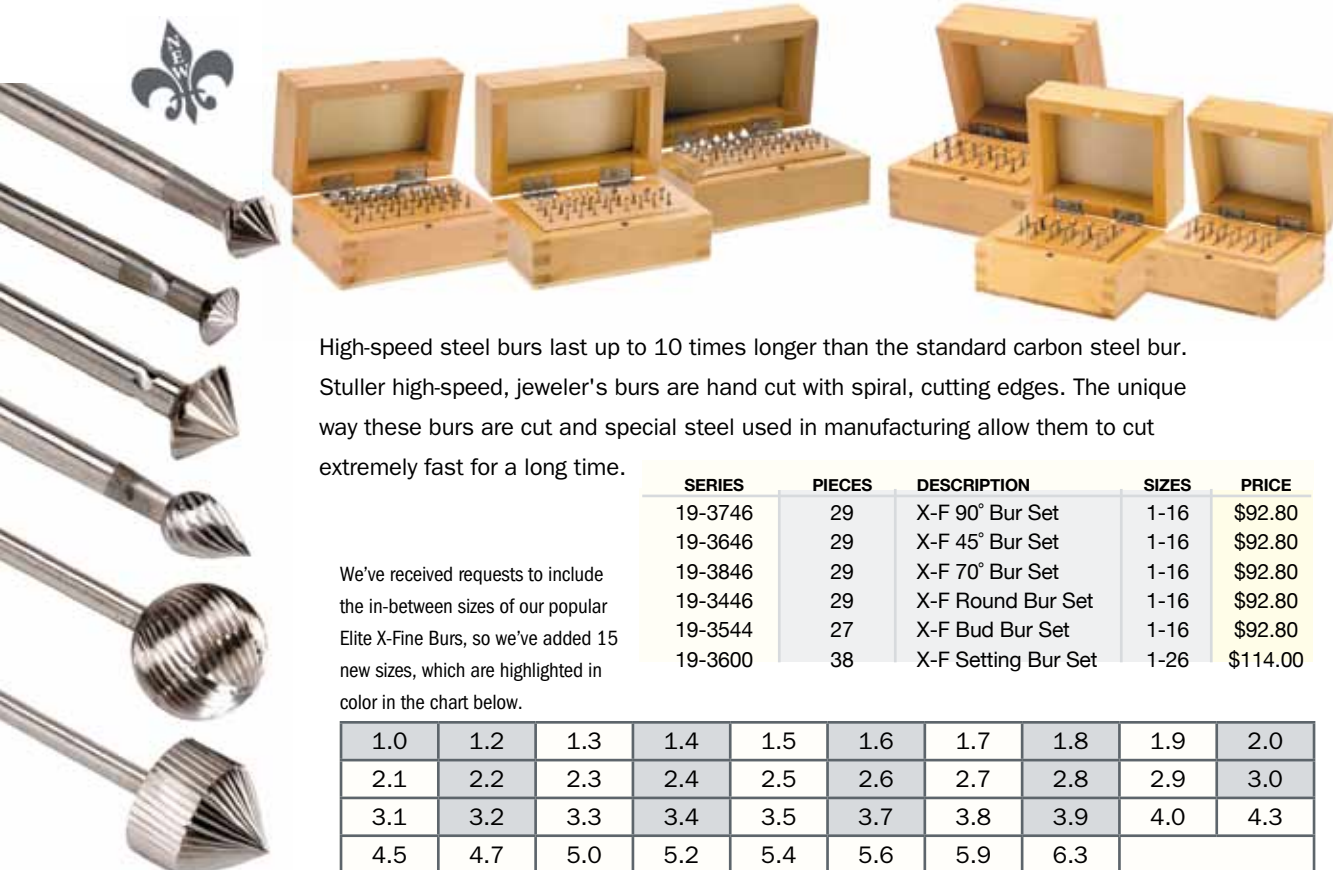
Add a catch to create a dual locking closure for your fine-quality chains and bracelets.

See our collection of catches at stuller.com.

		
1314 14ky, 14kw, 18ky, 18kw	1315 14ky, 14kw, 18ky, 18kw	23407 14ky, 14kw, 18ky, 18kw
FIGURE EIGHT CATCH	FIGURE EIGHT CATCH	FIGURE EIGHT CATCH
MM OD 12.5	MM OD 11.5	MM OD 10.0
14KT 1-PC \$8.85	14KT 1-PC \$3.88	14KT 1-PC \$3.70
6-PC \$8.52	6-PC \$3.71	6-PC \$3.52
		
23736 14ky, 14kw, 18ky, 18kw	157 14ky	20268 14ky, 14kw
FIGURE EIGHT CATCH	FIGURE EIGHT CATCH	FIGURE EIGHT BUTTON
MM OD 12.5	MM OD 7.75	MM OD 2.5x1.5
14KT 1-PC \$10.52	14KY 1-PC \$3.02	14KT 1-PC \$2.39
6-PC \$9.95	6-PC \$2.88	6-PC \$2.20

Exclusive From Stuller

New Elite X-Fine Sets Offered in all sizes.



High-speed steel burs last up to 10 times longer than the standard carbon steel bur. Stuller high-speed, jeweler's burs are hand cut with spiral, cutting edges. The unique way these burs are cut and special steel used in manufacturing allow them to cut extremely fast for a long time.

We've received requests to include the in-between sizes of our popular Elite X-Fine Burs, so we've added 15 new sizes, which are highlighted in color in the chart below.

SERIES	PIECES	DESCRIPTION	SIZES	PRICE
19-3746	29	X-F 90° Bur Set	1-16	\$92.80
19-3646	29	X-F 45° Bur Set	1-16	\$92.80
19-3846	29	X-F 70° Bur Set	1-16	\$92.80
19-3446	29	X-F Round Bur Set	1-16	\$92.80
19-3544	27	X-F Bud Bur Set	1-16	\$92.80
19-3600	38	X-F Setting Bur Set	1-26	\$114.00

1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.3
4.5	4.7	5.0	5.2	5.4	5.6	5.9	6.3		

Stuller and Elite Burs have built a strong relationship, and in that time, we have strived to make the Elite bur the highest standard to which the jeweler has become accustomed. You asked for fine cut burs to complement the regular cut burs, and we listened. As part of that relationship, both companies have now decided to satisfy those of you who have always used a different sizing preference. We have begun to manufacture these in the same high-quality steel and geometry that has made the Stuller-Elite bur one of the finest burs you have ever chosen for your businesses. We will always strive to deliver to you the best bur with the fastest, longest-lasting cutting edges in the widest variety of sizes in the industry.



Stock up on Energizer® Watch Batteries and Get a Free Light Keychain

When you buy 350 Energizer watch batteries you will receive this cool, leather, LED keychain free.

Offer includes any combination of single watch batteries, space packs or tear sheets.

Pack of 5 tear sheets = 5 batteries
Pack of 20 space packs = 20 batteries

Next Generation of GemOro

New GemOro Testers and Charging Stand

- Newly-designed, spring-loaded tip with improved durability and increased sensitivity!
- Newly-designed protective probe cover.
- Increased sensitivity
- New premium leatherette presentation and storage box.
- Universal 100v-120v AC adaptor/charger included.
- The UltraPro is a sleek, low profile battery-charging stand conveniently designed for recharging the NiMH batteries used in all GemOro testers.

56-7830
\$224.95



56-7833
\$19.95
(charging stand only)



56-7831
\$119.00



New Gemoro X-Steam™

The ideal professional cleaner, that you've come to love in your store, works better than before...



- attractive, yet durable, long-lasting stainless steel
- Solenoid foot pedal provides hands-free steam activation
- steam cleaner safely generates high pressure up to 65PSI using regular tap water
- removable stainless-steel basket for holding jewelry during cleaning/drying
- Built-in Easy-Lift™ handles for moving
 - designed for safety - ETL listed
 - 3/4 gallon tank capacity
 - water funnel with measuring cup included
- One-year, limited manufacturer's replacement warranty

15-2004
\$269.95

www.stullerbench.com

We Have New Earth-Friendly Solutions for Your Business!

What will you leave behind?

Because 95% of plastic bags end up in a landfill, Minigrip has developed "earth-friendly" solutions to traditional plastic storage bags. Premium RedLine™ bags are 100% recyclable. Premium GreenLine™ bags are completely biodegradable (ASTM D5511).



Biodegradable Green Line™

While biodegradability conditions will vary from one landfill to another, estimates indicate these bags will biodegrade approximately 100 times faster than current life estimates for standard plastic bags in landfills. GreenLine™, Minigrip's newest technology, contains an innovative bio-resin additive found to be biodegradable (ASTM D5511) in spite of harsh landfill conditions, thus drastically reducing the plastic's landfill life.



Recyclable Red Line™

RedLine bags feature a premium zipper you can snap open quickly and easily with just one hand. Reinforced side seals ensure your bag doesn't split when opened. Bags are marked with the universal recycling symbol, so your customers will know you are environmentally conscious. Redlines are 100% recyclable.

Visit stuller.com for complete size offering or call 800.877.7777 today and purchase the best value in the industry.

KICKER HEADLINE

Using the microscope at the bench by Joel McFadden

Imagine trying to accomplish an exacting and difficult task with your eyes closed. You have to fumble your way through the task guided entirely by feel and instinct.

When I first learned pavé setting in 1978, I was taught to set by feel, and I learned through repetition. For years, I was happy with that method, but, in the early 1990s, we started selling large tanzanite that customers wanted bezel-set. Many of the stones were trills with sharp, fragile corners. One day, under pressure to finish a job quickly, I finally broke one – expensive stone trashed, customer upset, it was a bad day.

The next day I called a friend who had just opened a jewelers' school and asked for help. I was afraid to set any more stones. He suggested I spend money for a Meiji microscope. This one tool opened up a whole new world to me, and my fear fell away. As my wife often says, "A setting job that looks good under a Meiji looks incredible to the naked eye."

So what are the benefits of this tool?

The most obvious advantage is the ability to see what you are working on at 20X magnification, instead of the 2.5X provided by an Optivisor. I can cut seats faster and more accurately. Difficult stones such as belly-bottom colored stones and princess-cuts can be set easily and quickly. Most stone breakage is caused by over-cutting a seat and cranking down on the prongs to compensate for a loose fit. With the Meiji® microscope, you can see exactly why a stone is loose. Stone breakage becomes a thing of the past.



You can also easily overcome potential problems in setting stones with inclusions or damage. When setting under the scope you can see inclusions that a 10-power loupe won't show. This allows you to be sensitive to those trouble spots. When taking in jewelry, you can quickly see the condition of the item. We check everything that comes in under the scope at full magnification, while the customer is still present. This often reveals damage that might have gone unnoticed, until we started working on the piece. I can't tell you how many pieces come into my shop with stone damage that isn't noticeable without the scope. Imagine that you take in a channel ring to size but don't notice that several of the girdles on the stones are chipped. You size the ring and return it to the customer. Now, imagine that customer decides to have another jeweler appraise

the ring using a gemscope to examine the stones. Oh look...chipped stones! Who is going to be blamed? The last jeweler who worked on it, that's who.

The most unexpected benefit I received from my Meiji is improved posture. By sitting straighter and dropping my arms at my sides, I have removed most of the stress from my neck and shoulders. This is wonderful, especially when setting large amounts of micropavé. Working longer hours is now much more enjoyable, and what I thought was a permanent numbness in my right hand has cleared up. Between the improvement in my posture, and the added visual acuity, I am less afraid of aging and the impairments that might have shortened my career as a stone setter.



Along with the basic EMZ-5 body (#26-4079), you will need the stand (#26-4094), to install it on your bench. In addition, since the working area of the scope is 6 to 8 inches, you will need a spacer plate (#26-4089), to lower your work area and a ring light (#26-4196), to illuminate your work. You may also need the .5mm objective lens (#26-4098).



All components below are available as a complete system. (#26-4073)

KICKER HEADLINE

Meiji Microscope Bench System

The Meiji® Microscope is a great accessory to add to your bench. This bench system allows you to work while magnifying what you are working on up to 22.5X. With magnification this strong, you can clearly see the finest details for both stone setting and engraving. The precision optics provide a magnification range of 3.5X up to 22.5X with a working distance of up to 6" allowing you to work hour after hour without eye strain. With this Meiji® microscope & GRS® stand you can't go wrong.



Simply Smart!

Stuller's in-house metal experts and master jewelers have developed a state-of-the-art ring sizing system designed to save time and money while increasing productivity. Now, with the new sizing drill press, the PREFORM™ Sizing System is even easier to use. With Stuller's award winning PREFORM Sizing System, you can size a ring up in less than two minutes.

No waste, strong joints, seamless fit and hands-free soldering are only a few benefits of using Stuller's PREFORM Sizing System. PREFORM Sizing Stock is available in four thickness options and are pre-measured to size rings from 1/2 size to 3 1/2 sizes in 1/2 size increments. Precut pieces are in widths from 1mm – 5mm and you only have to buy what you need. Precut kits and bulk stock also available. See the new *Metals Book Vol. 76* for more information on PREFORM or go to www.stuller.com/preform.



48-1036
Preform Drill Press
\$149.00
(Handpiece not included)



26-4073 \$1,895.95

- System Includes:
- Meiji® EMZ-5 Scope
 - Acrobat Stand with Headrest
 - 10X Eyepiece
 - Ring Light
 - 0.5 Auxiliary Lens (increases the working distance from 93mm to 150mm)
 - Mount Adaptor

To order, or for more information, call 800.877.7777 or go to stuller.com.

TECHNICAL RESOURCES

Palladium Soldering Techniques

Palladium is a Platinum group metal. When soldering palladium it has many of the platinum characteristics. Palladium does not need flux or a protective coating. Palladium will develop slight discoloration or light oxidation when soldering. This discoloration cannot be removed with the traditional pickling method. Methods for removing discolored surfaces include abrasives or polishing compounds. The best and quickest method is using a neutral flame by brushing your flame over the discolored area and watch it go away in seconds. If by chance you should have dark or black spots you may at this time place in the pickle solution.



To start you need a Ceramic Block (Casting melting bowl order #22-7936), ceramic tweezers-(order #57-7501), No. 5 welding glasses (order #29-0030), Jewelers Shears-(order #46-5015) and the same solders that are used for platinum alloys 1,000 °C extra easy, 1,100 °C easy and 1,200 °C medium cadmium free platinum repair solders. A tip for solder identification: we like to take a pointed scribe and write in the four corners of the solder coupon the name and type of solder. As you chip away at the coupon you will always have the identification on your coupon!

We recommend natural gas or propane and oxygen for the fuel supply of choice when soldering. When preparing your components prior to soldering it is very important that your components fit flush or tightly together. You do not ever want to try and fill a gap between components with solder. Once your components are prepared and ready for soldering, clean your components in an ultra-sonic using Ultra-CR soap, rinse your components in clean water, then steam. We will walk through the process of attaching a 1601 and 23631 palladium earring posts to a standard 1874 palladium earring basket and a SH2 palladium shank to a 309 palladium head.

Earring Post Assembly:

When soldering the 1601 palladium post you may use 1,000 °C or 1,100 °C plat repair solder. For the 23631 palladium screw post we recommend the 1,000 °C solder. Due to the diameter in the thread location, the higher temperature tends to soften the post.

- With your jeweler's shears, chip from your coupon approximately 0.8 mm x 0.8 mm size solder chips. One of these chips is sufficient to attach the earring post to the basket.
- Set your torch flame a little more intense than a neutral flame.
- Make sure you have your no. 5 safety glasses.
- Place your earring basket on your ceramic block. Acquire your earring post with your ceramic tweezers. While the post is in your tweezers slightly heat up the lower area of the post and attach the palladium solder to the bottom.
- Now focus your torch flame on the basket while simultaneously brushing your flame over the bottom of the post while your post is still not in its projected assembled location.
- Once components begin to turn slightly red you may place the post onto its location on the basket.
- Heat the 2 components in the solder location until you see the solder liquefy around the bottom of the post. Let the piece air cool.
- You will notice a slight oxidation mostly on the post. Using a neutral flame, brush your flame over the discolored area and watch the oxidation disappear!

Solitaire Assembly:

When soldering the SH2 palladium shank to the 309 palladium head we recommend the 1,100 °C solder due to the fact that 1,200 °C solder is used to solder the 309 palladium heads. This leaves you the ability to step solder down in temp with 1,000 °C if you should need to size the solitaire.

- With your jeweler's shears, chip from your coupon approximately 1.25 mm x 1.25 mm size solder chips. Use one chip on each side where attaching the shank to head.
- Place your 309 head into the opening of your SH2 shank making sure everything is aligned properly. Place your Tiffany solitaire so that the prong tips are on the ceramic solder block. This will help protect the prong tips from over heating.
- Set your torch flame to an oxidizing flame for intensity.
- Make sure you have your no. 5 safety glasses.
- Using your solder pick, ball up your chip solder onto the point of your pick.
- Now focus your torch flame between the head and shank location. Palladium has low thermo conductivity so the heat will stay concentrated where the torch tip is located.
- When the solder area gets to a red color, place your solder in the location and hold your heat until the solder has completely flowed.
- Once the solder process is complete you will see that the piece has discolored. Usually the discoloration ranges from blue to violet.
- Set your torch flame to a neutral flame and brush your flame over the discolored location and watch it disappear!

Good Luck and Happy Soldering!

HOW TO TIPS

Using Wire with Laser Welders

When adding wire with a laser welder, everyone has come across the wire that explodes, or splatters, under the intense heat of the laser beam. It is not surprising that this happens while using other spot welders, such as a PUK. This makes adding wire difficult and can cause pits and cracks in the weld area. The following is a review of the different alloys better suited for spot welding.

- 14/18k Palladium White wire – This is the first formula to come out that was better suited for laser welding. The addition of palladium instead of nickel stops the splatter and causes the metal to flow smoother. Hitting the end of the wire causes it to make a ball that can be used for prongs. This wire also reduces the small cracks that can form in white gold after it has been laser welded. Our newest formula of the palladium white wire is even better and easier to use than before.
- 14ky zinc-free – Zinc is used in most gold alloys to stop the metal from oxidizing and turning pink when it is melted. Zinc has a very low melting point and vaporizes causing the splatters and porosity that should be avoided. This new alloy removed the zinc and is much more laser-friendly while keeping its gold color.
- AG/PD wire – "Stulladium" Laser welding silver is one of the most difficult things to do. The high voltage required causes the piece to heat up, and any reflection off the ring hitting your hands can burn. Until recently, welding with a silver solder was the best way. This silver/palladium wire melts at a lower voltage than sterling silver and does not splatter like the silver solders. It is made of palladium and about 50% silver. It is not a perfect color-match to sterling.

We continue to research other wires to make welding easier. Join my laser-specific e-mail list by emailing me at john_vandergriff@stuller.com and you'll be among the first to know when new laser wires are available.

STULLER MANUFACTURED, TESTED AND APPROVED!

We now sell a nostalgic white alloy with silver and palladium. This unique alloy is extremely tarnish resistant, meets the Grade 1 Whiteness Standard and does not require plating. Stulladium, developed at Stuller by our metal experts contains more than 75% precious metal and costs one fourth the amount of standard white gold.

Stulladium™ is available in wire (18, 20, 22, 24, 30ga) and sheet (18, 20, 22 ga) as well as in a 20ft 30ga laser wire spool.

Zinc-Free Laser Wire

Both 14kt yellow and 18kt yellow zinc-free laser wire flow better than standard laser wire with zinc, without spatter and at a lower temperature. Zinc-free laser wires prep and clean up easier too, show no pitting and provides better color matching.

14kt Palladium Laser Wire

The color of our 14kt palladium laser wire is significantly whiter than other formulas, allowing color to blend well along joints without leaving a border or seam line.

This wire is smoother, stronger, and with less splitting than previous alloys.

To order, or for more information, call 800.877.7777 or go to stuller.com.

CUSTOMER CORNER

Dave Adelman with Jerry's Pawn Shop in Atlanta, GA and former president of the National Pawnbrokers' Association, recently told us how great he thinks our Mag Tumblers are.

"We recently purchased the Mag Tumbler from Stuller, and it has made a world of difference in the un-redeemed jewelry that we put out for sale. Having the tumbler has saved us time and money and has given us the opportunity to do more with less," Dave says.

He adds that the tumbler enables their shop to get un-redeemed jewelry merchandise into showcases quickly, enabling faster sales.

In the current economic climate, Jerry says, time is of the essence, and having the Mag Tumbler has made a big difference in the appearance of the jewelry. He wishes their store had purchased one much sooner than it did.



To view our newest tumblers, or to see our complete offering, visit www.stuller.com or call 800.877.777 to order today!

Bill Williams with Precious Treasures in Wauchula, Florida is not only a jeweler; he is also a member of his local art league. So, he decided to create a custom jewelry piece that looked like a work of art and called it a butterfly pendant.

Using 14kt yellow and 18kt green gold he custom crafted leaves and butterflies to attach to washer #12345 and basket #610-9mm, into which he set a 9mm round amethyst.

The scene is one of looking down into the top of a pot of butterfly flower, which has attracted several butterflies. Flower buds are represented by 2mm white sapphires (four in all), which are embedded into the leaves.

Bill says everyone at the art league loves the butterfly plant wearable art.



StullerBench.com!

Visit the community created just for you — stullerbench.com.

Here you can learn new techniques; comment on the articles, telling us in the comments if you have a better way to do it.

You also get to see video taken from within our tools sales area.

And, you have the opportunity to interact with other jewelers.

Log in now at www.stullerbench.com to see how the educational materials and specials located there can help benefit your business.

Specials change every day, so you'll want to bookmark us and check out each day's new specials!

HOW TO

Keep your customers coming back with mechanical services

Often we forget that findings with spring mechanisms need cleaning and oiling periodically in order for them to continue to function properly.

Offering shop maintenance service is a great way to keep your customer's jewelry functioning, build customer loyalty and bring them back into your store more often, generating additional sales opportunities.

Lever back earrings and mechanical earring backs, like our Protektor™ backs, both need cleaning and re-lubricating from time to time to keep them in good operating order.

Maintenance tips:



Lever Back Earrings:

- 1.) Clean lever backs in the ultrasonic and lay them on a warm surface to dry them completely.
- 2.) Open the lever on the lever back and apply a very small drop of Nano Lube (#58-2542) into the joint. Work the lever back and forth to distribute the oil in the hinge.



Protektor Backs:

- 1.) Clean the Protektor back in the ultrasonic and place on a warm surface to dry the mechanism completely.
- 2.) With the flat side of the earring back facing you; add a small drop of our Nano Lube to the hole. Do not over lubricate.
- 3.) Press the side tabs repeatedly to distribute the Nano Lube evenly onto the mechanical jaws of the Protektor back.

TECH TEAM TIPS

We get quite a few questions about our products and how to do bench procedures. These are some of the most recent FAQ's.

Q. What metals are in your new alternative metal "stulladium" and how is the best way to polish it?

A. Our new alternative metal is made of 54% silver, 25% palladium and 21% copper. Polishing is done in two stages: the first with Grey Star 47-3295 and the final with Picasso blue 47-3246 or Ultra blue 47-3247.

Q. Do you carry a polish for Titanium and Palladium?

A. Titanium can be polished with 47-3000, 47-3001 and 47-3002. Palladium can be polished with 47-3384 PT-10.

CLASSIFIEDS

ITEM #	DESCRIPTION	Was	Now
330	ss 4mm 4-Prong Round Wire Basket Pendant	\$2.47	\$2.12
1348	14KY 10mm Two Hole Spacer	\$3.96	\$3.45
1348	ss 10mm Two Hole Spacer	\$0.27	\$0.24
1806	14KY 11mm Faceted Mirror Bead	\$29.71	\$26.74
1811	14KY 2.5mm Hollow Bead	\$0.39	\$0.36
21611	14KY 16mm-19G Bishop Hook Ear Wire	\$7.36	\$6.58
22940	18KY 3mm Heavy Weight Brite Bead	\$1.71	\$1.50
22940	18KY 4mm Heavy Weight Brite Bead	\$3.08	\$2.71
23929	14KY 3mm Mirror Bead	\$1.42	\$1.20
23332DN	14KY .036 x .370 Double Notch Post	\$2.78	\$2.29
13-1818	Magnifying Bench Light	\$174.00	\$95.00
22-1070	Jumbo Firebrick Furnace	\$1,479.00	\$793.00
26-2998	MPX 80 Photo Impact Printer	\$3,495.00	\$2,498.00
26-4004	GRS® Gravermeister	\$1,279.00	\$475.00
26-4157	GRS® Positioning Vise	\$748.00	\$561.00
29-4780	Gem Zoom Microscope	\$297.00	\$199.00
34-6300	Foredom® Drill Press	\$239.00	\$114.00
47-4075	Mini Magnetic Tumbler	\$469.00	\$149.00
51-2090	Presidium Carat Scale	\$289.00	\$99.00
51-3025	Mettler Carat Scale	\$999.00	\$450.00
SR4	14KY 4mm Spring Ring	\$1.66	\$1.52
61-3187	Silver Plated Birth Record Baby Shoe	\$7.92	\$3.50
61-3188	Silver Plated Teddy Bear Baby Cup	\$13.40	\$8.20
61-3210	Silver Plated Beverage Holder	\$13.88	\$8.68
61-3214	Silver Plated Double Tube Cigar Holder	\$13.88	\$7.56
61-7695	White Painted Wood 6' Expandable Platform Set	\$299.50	\$110.00
61-8810	White Leatherette Mothers Point of Purchase Display	\$198.00	\$99.00
61-8830	White Leatherette Just for Kids Children's Point of Purchase Display	\$175.00	\$105.00
61-8840	Black Leatherette Gents POP	\$149.00	\$75.00
EZ-Change®	Watch Strap Assortment	\$295.00	\$220.00
LA-300	Men's Assorted Strap Collection	\$120.00	\$49.95

All items sold each. Metals priced at \$1,100 gold market. Items limited to on-hand quantities. Some tools may be scratched, dented or previously owned. Call for availability at 800.877.7777, press 9, then 4300 to get conditions or photos. Stock current as of 4/01/2010.