

PRODUCTS • REFINING • ANALYTICAL



United

PRECIOUS METAL REFINING, INC.

**You Can
Trust our
Long-Standing
Financial
Strength &
Stability
since 1988...**



**GOLD • SILVER • PLATINUM • PALLADIUM • REFINING • BENCH/FLOOR SWEEPS
CRUCIBLES & SLAG • FILINGS/GRINDINGS • TOOLS • KARATED/DENTAL SCRAP • CARPET • STONE REMOVAL**



**MASTER ALLOYS • GRAINS • SOLDERS • WIRE
SHEET • TUBE • GOLD BULLION • SILVER BULLION**

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UNMATCHED INDUSTRY EXPERIENCE...

Since 1988, United PMR has been a global supplier of master alloys for the manufacturing of Gold, Silver, Platinum & Palladium jewelry. We are also a primary refiner specializing in processing all types of materials from scrap to bench grindings and sweeps. The combination of our innovative master alloys, expertise in refining, and over 30 years of industry experience is why our customers refer to us as **“Simply The Best”**.

HAVE A QUESTION?

You're not the only one...We can help!



TECHNICAL SUPPORT IS JUST A CALL AWAY...800.999.FINE



Troubleshooting for Casting & Fabrication Issues such as Cracked or Brittle Castings, Fire Scaling, Discoloration, Melt Temperatures and More.

INVESTMENT CASTING MASTER ALLOYS



9K - 14K YELLOW GOLD

Alloy Code	Color	Recom. Karat	Special Comments
200	Bright Yellow	9K-14K	Low silver, high reusability for open systems
204	Standard Yellow	9K-14K	Low silver, high reusability for enclosed machines
210	Standard Yellow	9K-14K	For low weight applications
220	Standard Yellow	9K-14K	Low silver, high reusability for open systems
230	Standard Yellow	9K-14K	Low zinc, high reusability
231	Standard Yellow	9K-14K	Low De-Ox version of #230
232	Dark Yellow	9K-14K	High performance, stone-in-place
240	Tint of Greenish Yellow	9K-14K	High tarnish resistance & reusability
241	Rich Yellow	9K-14K	Low zinc, high performance alloy
260	Light Greenish Yellow	9K-14K	High reusability, European 3 N Color
263	Greenish Yellow	14K	European 3 N Color
264	Greenish Yellow	9K-14K	High reusability, European 3 N Color
265	European Yellow	9K-14K	European 3 N Color, High tarnish resistance
269	Greenish Yellow	9K-14K	High performance, stone-in-place
270	Light Yellow	9K-14K	Good wearability, tarnish resistant
278	Greenish Yellow	9K-14K	High fluidity & tarnish resistant, stone-in-place
280	Rich Yellow	9K-14K	Stone-in-place, high reusability & tarnish resistant
285	Rich Reddish Yellow	9K-14K	Stone-in-place, high reusability, & tarnish resistant
290	Rich Reddish Yellow	9K-14K	High performance, high reusability & tarnish resistant
821	Light Yellow	9K-14K	Grain refined, hard, high surface luster
823	Medium Yellow	9K-14K	Cobalt based hard alloy
T 1	Greenish Yellow	9K-14K	Low silver, good tarnish resistance
T 3	Greenish Yellow	9K-14K	Low silver, high reusability & tarnish resistant



9K - 14K YELLOW GOLD (SPECIAL PURPOSE)

Alloy Code	Color	Recom. Karat	Special Comments
320	Standard Yellow	9K-14K	Yellow hard-spring "ping-tong"

9K - 14K YELLOW GOLD (ULTRA CASTING SERIES)

Alloy Code	Color	Recom. Karat	Special Comments
UA1	Rich Reddish Yellow	9K-14K] High performance, high reusability, high tarnish resistance, stone-in-place
UA2	Standard Yellow	9K-14K	

9K - 14K YELLOW GOLD (VERY HIGH FLUIDITY)

Alloy Code	Color	Recom. Karat	Special Comments
VHF 1	Light Greenish Yellow	9K-14K] High fluidity for delicate filigree designs, & stone-in-place
VHF 2	Standard Yellow	9K-14K	
VHF 3	Tint of Greenish Yellow	9K-14K	Stone-in-place, high reusability & tarnish resistance
VHF 4	Greenish Yellow	9K-14K	High tarnish resistance, good fluidity & reusability
VHF 10	Greenish Yellow	9K-14K	High fluidity for delicate filigree designs & stone-in-place

9K - 14K YELLOW GOLD (CENTRIFUGAL & HAND POURING)

Alloy Code	Color	Recom. Karat	Special Comments
400	Greenish Yellow	9K-14K	No fire-scale, high reusability & tarnish resistant
440	Standard Yellow	9K-14K	Open melting, high reusability & tarnish resistance
450	Tint of Greenish Yellow	9K-14K	Open melting, high reusability & European 3 N Color
485	Reddish Yellow	9K-14K	Low silver & tarnish resistant
630	Reddish Yellow	9K-14K	High de-ox, high reusability & fluidity

18K YELLOW GOLD

Alloy Code	Color	Recom. Karat	Special Comments
315*	Bright Yellow	18K	Excellent for casting & fabrication, European 3 N color
713	Bright Yellow	18K	Excellent workability, high luster
716*	Italian Yellow	18K	Excellent workability
720	Rich Yellow	18K	Smooth surface, high luster
725*	Rich Yellow	18K	Same color as #720
740	Pale Light Yellow	18K	High tarnish resistance, high luster
760	Greenish Yellow	18K	Low De-Ox, European 2 N color
765*	Greenish Yellow	18K	Same color as #760
780	Light Greenish Yellow	18K	Suitable for enameling
782*	Greenish Yellow	18K	High tarnish resistance, good reusability
790*	Deep Yellow	18K	Low De-Ox, European 4 N color
NA790*	Deep Yellow	18K	High fluidity version of #790
792	Deep Yellow	18K	Tarnish resistant version of #790

*** All Purpose Alloy
for Casting &
Fabrication
applications**

SIMPLY WHITE

United PMR's newest alloy formulation for 18K White Gold creates a finished product so white, you don't need to plate it - it's SimplyWhite.



This alloy creates a finished product so white, it renders plating obsolete. Simply cast & polish in 18K White Gold & see for yourself why it's called SimplyWhite.



INVESTMENT CASTING MASTER ALLOYS

18K - 22K YELLOW GOLD

Alloy Code	Color	Recom. Karat	Special Comments
381*	Reddish Yellow	18K-22K	UA 1 version for higher karat applications
384*	Dark Yellow	20K-22K	Low silver, very hard, high fluidity
385*	Dark Yellow	20K-22K	Low silver for making chains
387*	Bright Yellow	20K-22K	User-friendly, hard with excellent surface luster
389*	Bright Yellow	20K-22K	Excellent hard alloy for making chains
392*	Fine Gold	18K-22K	High reusability, tarnish resistant
394*	Dark Yellow	18K-22K	Very popular for high karat jewelry production
396	Reddish Yellow	18K-22K	Low silver, high reusability
821*	Standard Yellow	19K-22K	Grain refined, hard, high surface luster
823*	Bright Yellow	19K-22K	Cobalt based hard alloy

9K - 18K PINK GOLD

Alloy Code	Color	Recom. Karat	Special Comments
520	Russian Red	9K-18K	Silver based, user-friendly & high reusability
525	Premium Russian Red	9K-14K	Low silver based, user-friendly, high reusability, European 5 N color
NA525*	Premium Russian Red	9K-14K	Low silver, low De-Ox, European 5 N color
534*	Rose Pink	18K	Grain refined & excellent workability
540	Premium Pink	9K-14K	High fluidity, for open melting systems
543*	Dark Pink	9K-18K	Low silver, high fluidity
544*	Pink	9K-18K	Low silver, high fluidity & reusability
548*	Pink	9K-18K	Low silver, very user-friendly, enameling
550*	Dark Pink	9K-18K	Excellent workability, fabrication
554*	Bright Russian Red	9K-18K	Low silver, low De-Ox, European 5 N Color
560	Medium Pink	9K-14K	Low silver, high reusability

9K - 18K BROWN GOLD

Alloy Code	Color	Recom. Karat	Special Comments
BR1*	Light Brown	9K-18K	Light brown casting alloy

10K - 18K GREEN GOLD

Alloy Code	Color	Recom. Karat	Special Comments
570	Green	10K-18K	High reusability, tarnish resistant & luster
575*	Green	10K-18K	Versatile alloy, enameling
ROM2*	Green	18K	Versatile alloy, enameling

9K - 18K NICKEL/NICKEL-SILVER BASED WHITE GOLD

Alloy Code	Color	Recom. Karat	Special Comments
862*	Ultra White	10K-18K	Low nickel multi-purpose alloy
900	Premium White	9K-18K	Silicon free, high fluidity & surface luster
M900	Premium White	9K-18K	Silicon free, high fluidity for filigree casting
907	Premium White	14K-18K	Excellent whiteness, Rhodium plating optional
908	Super White	18K	"Ping-tong" hard, Rhodium plating optional
910	Medium White	9K-18K	Low nickel, high reusability
911	Medium White	9K-18K	Silicon free version of #910
915	Premium White	14K-18K	High reusability & surface luster
920	Medium White	9K-14K	Excellent fluidity, stone-in-place
925	Medium White	9K-18K	Silicon free, high fluidity, stone-in-place
930	Ultra White	9K-18K	High surface luster for open systems
M930	Premium White	9K-18K	High reusability, fluidity & surface luster
940	Medium White	9K-14K	Low nickel, for open melting systems
942	Medium White	9K-18K	Silver-free
943	White	9K-14K	High silver based, soft workability
950	Medium White	9K-14K	High fluidity & reusability
952	Ultra White	9K-14K	Silver based, high fluidity, stone-in-place
970	White	9K-14K	Soft workability, for open melting systems
974*	Ultra White	9K-18K	Low silver, high fluidity, stone-in-place
982	Ultra White	9K-18K	Excellent fluidity, stone-in-place
983*	Ultra White	18K	High fluidity, stone-in-place
RM60	Super White	18K-19K	All purpose, nickel safe white gold
T5	Medium White	9K-18K	Low hardness, suitable for stone-in-place
T6	Ultra White	9K-18K	Low silver, high fluidity, stone-in-place
T7	Premium White	14K-18K	Low melting point, high fluidity

INVESTMENT CASTING MASTER ALLOYS



9K - 10K NICKEL & PALLADIUM "FREE" WHITE GOLD

Alloy Code	Color	Recom. Karat	Special Comments
936	Vanilla White	9K-10K	High fluidity & user-friendly
980	Medium White	9K-10K	Easy workability, soft
F1	Natural White	9K-14K	Patented, high fluidity, excellent color in 14K
ROM 2*	Medium White	9K-10K	User-friendly, suitable for ear-posts

9K - 18K PALLADIUM WHITE GOLD

Alloy Code	Color	Recom. Karat	Special Comments
PD1	White	9K-14K	Sulphate bonded (regular) investment
PD2	Vanilla White	14K-18K	High surface luster, Pt investment recommended
PD5*	Silvery White	9K-14K	Low Pd content, soft alloy, sulphate bonded
PD7	Vanilla White	9K-14K	High tensile strength, sulphate bonded (regular) investment
PD11	Bright White	18K	Use with Pt. investment powder & casting machine
PD16*	Super White	18K	Use with Pt. investment powder & casting machine
PD20*	Vanilla White	14K-18K	Easy workability, Pt investment recommended



Stone-In-Place Alloys

provide the benefit of setting stones in the wax molds, cutting down costs & time wasted setting stones in casted pieces after production.

.925 STERLING SILVER HEAT TREATABLE ALLOYS

Alloy Code	Color	Special Comments
S 57	Ultra White	Patented De-Ox, fire-scale & tarnish resistant, improved hardness
S 57 NA*	Ultra White	Patented De-Ox, fire-scale & tarnish resistant, improved hardness
S 72*	Brilliant White	High performance & reusability
S 86*	Ultra White	De-Ox, high tarnish resistance & fluidity
S 88*	White	De-Ox, high tarnish resistance & fluidity
S 92	Brilliant White	De-Ox, tarnish resistant
S 92 NA*	Brilliant White	High performance for enclosed casting machines
S 95*	White	Spring-hard, tarnish resistant
S 97 NA*	Super White	De-Ox, high tarnish resistant & fluidity
S D*	Standard Silver	Patented, De-Ox, soft white, tarnish resistant

NON STERLING COLORED SILVER

Alloy Code	Color	Silver %	Special Comments
SW1*	Lily White	0.00	Master alloy for lily white silver casting alloy
SY-2*	Medium Yellow	25.00	High reusability, soft for casting & fabrication
SY-3	Standard Yellow	15.00	High reusability, soft for casting & fabrication
SP-3	Carnation Pink	19.00	"Reddish stripped pattern" on sheets



BRASS & BRONZE

Alloy Code	Color	Recom. Karat	Special Comments
330*	Yellow	Brass	} Hard De-Ox brass / bronze for sample lines, model making; Also suitable for brass / bronze industry
332*	Reddish Yellow	Brass	
335*	Reddish Yellow	Brass	
340*	Standard Yellow	Brass	
341*	Antique Yellow	Bronze	
342*	Standard Yellow	Bronze	
347*	Standard Yellow	Brass	
350*	Greenish Yellow	Brass	
371*	White	Bronze	
372	Vanilla White	Brass	
373*	White	Bronze	
374	Vanilla White	Bronze	
650*	Standard Yellow	Brass	



*** All Purpose Alloy for Casting & Fabrication applications**



MASTER ALLOYS FOR FABRICATION

SHEET, WIRE & TUBE MAKING

9K - 14K YELLOW GOLD

Alloy Code	Color	Recom. Karat	Special Comments
291	Rich Yellow	9K-14K	Reverse heat-treatable for fabrication & machining
800	Reddish Yellow	9K-14K	Excellent, user-friendly sheet, wire & stamping
805	Greenish Yellow	9K-14K	Color match to #278 & #VHF-10
820	Standard Yellow	9K-14K	Low silver, light weight, excellent rolling, wire & stamping
823	Medium Yellow	9K-14K	Excellent, user-friendly for sheet, wire & stamping
824	Rich Yellow	9K-14K	Color match to UA 1, good for chain & tubing
826	Light Yellow	9K-14K	User-friendly for sheet, wire & tube making
837	Light Greenish Yellow	9K-14K	Low silver, excellent for chain manufacturing
850	Standard Yellow	9K-14K	Soft, user-friendly sheet making alloy
855	Bright Yellow	9K-14K	Low price point for light weight jewelry

18K YELLOW GOLD

Alloy Code	Color	Recom. Karat	Special Comments
291	Rich Yellow	18K	Reverse heat-treatable for fabrication & machining
315*	Bright Yellow	18K	All purpose for wire, sheet & tube making, heat treatable, European 3 N color
716*	Italian Yellow	18K	All purpose for casting & fabrication
725	Rich Yellow	18K	Excellent for sheet, wire & tube making
740	Standard Yellow	18K	Soft fabrication
765	Greenish Yellow	18K	European 2 N color
795	Dark Yellow	18K	Excellent, user-friendly, sheet, wire & tube making

18K - 22K YELLOW GOLD

Alloy Code	Color	Recom. Karat	Special Comments
376	Bright Yellow	19K-22K	Grain refined, hard, high surface luster
377	Reddish Yellow	22K	Hard, high surface luster, recomm. for bangles
381	Reddish Yellow	18K-22K	UA 1 version for higher karat application
384*	Dark Yellow	20K-22K	All purpose, low silver, very hard, high fluidity
385	Dark Yellow	20K-22K	Low silver, high tensile strength for chains
387*	Standard Yellow	20K-22K	All purpose, user-friendly, hard with excellent surface luster
389*	Bright Yellow	20K-22K	All purpose, excellent hard alloy for making chains
392	Fine Gold	18K-22K	High reusability, tarnish resistant
394	Dark Yellow	18K-22K	Very popular for high karat jewelry production
821	Standard Yellow	19K-22K	Grain refined, hard, high surface luster

9K - 18K PINK GOLD

Alloy Code	Color	Recom. Karat	Special Comments
NA525*	Premium Russian Red	9K-14K	All purpose, low silver, low De-Ox, European 5 N color
543	Dark Pink	9K-18K	Low silver, high fluidity
548*	Pink	9K-18K	Low silver, very user-friendly, enameling, all purpose
550	Dark Pink	9K-18K	Excellent workability, high tensile strength

9K - 18K NICKEL/NICKEL - SILVER BASED WHITE GOLD

Alloy Code	Color	Recom. Karat	Special Comments
860	Ultra White	14K-18K	Low nickel, high tensile strength
862	Ultra White	10K-18K	Low nickel, excellent workability
866	Medium White	9K-18K	Soft machining for chain, tube, wire & sheet manufacturing
869	Medium White	9K-18K	Soft, user-friendly
870	Medium White	9K-18K	Medium hard wire & sheet making alloy
875	Medium White	9K-18K	Soft, user-friendly sheet & wire making alloy
880	Premium White	18K	Soft fabrication
974	Ultra White	9K-18K	Low silver, excellent workability
983	Ultra White	18K	Silver based, soft, user-friendly
RM60	Super White	18K-19K	All purpose, Nickel safe white gold

MASTER ALLOYS FOR FABRICATION

SHEET, WIRE & TUBE MAKING



9K - 10K NICKEL & PALLADIUM FREE WHITE GOLD

Alloy Code	Color	Recom. Karat	Special Comments
ROM2	Medium White	9K-10K	User-friendly, suitable for ear posts

9K - 18K PALLADIUM WHITE GOLD

Alloy Code	Color	Recom. Karat	Special Comments
PD 5*	Silvery White	9K-14K	All purpose, low Pd content, soft alloy
PD 7*	Vanilla White	9K-14K	All purpose, high tensile strength
PD 16	Super White	18K	Excellent fabrication, high tensile strength
PD 20	Vanilla White	14K -18K	User-friendly, soft & easy workability

COMPUTERIZED NUMERICAL CUTTING (CNC) YELLOW & WHITE GOLD, STERLING SILVER

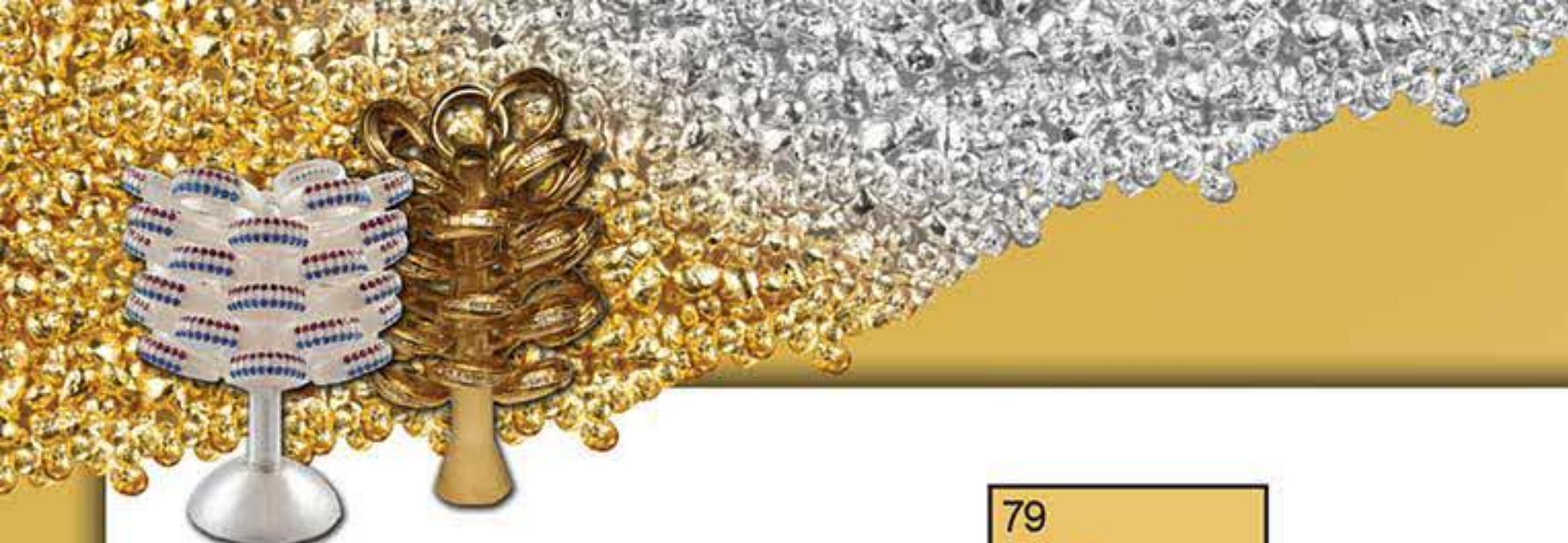
Alloy Code	Color	Recom. Karat	Special Comments
291	Rich Yellow	9K-14K	Reverse heat-treatable for fabrication & machining
320	Standard Yellow	9K-14K	Yellow hard-spring for specific machining purposes
315*	Bright Yellow	18K	Works well for casting & fabrication
823	Bright Yellow	19K-22K	User-friendly for sheet, wire & stamping
824	Rich Yellow	9K-14K	Color match to UA 1, good for chain making
862	Ultra White	10K-18K	Low nickel, excellent fabrication
866	Medium White	9K-18K	Soft for chain, tube, wire & sheet manufacturing
S 57 NA	Ultra White	.925	Tarnish resistant, tube, wire & machining for sterling silver

.925 STERLING SILVER ALLOY FOR STERLING SILVER GRAIN

Alloy Code	Color	Recom. Karat	Special Comments
S 57 NA	Ultra White	.925	Patented De-Ox, fire-scale & tarnish resistant, improved hardness
S 72	Brilliant White	.925	High performance, high reusability
S 86	Ultra White	.925	De-Ox, high tarnish resistance, high fluidity
S 88	White	.925	De-Ox, high tarnish resistance, high fluidity
S 92 NA	Brilliant White	.925	High performance surface & luster
S 95	White	.925	Spring-hard, tarnish resistant
S 97 NA	Super White	.925	De-Ox, high tarnish resistant & fluidity
S D	Standard Silver	.925	Patented De-Ox, soft white, tarnish resistant, good for rolling

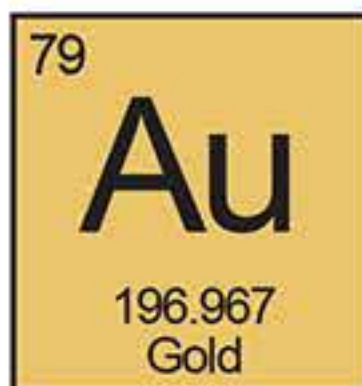
10K - 18K GREEN GOLD

Alloy Code	Color	Recom. Karat	Special Comments
570	Green	10K-18K	Enameling, excellent workability
575*	Green	10K-18K	All purpose, enameling & fabrication
ROM2*	Green	18K	All purpose, enameling & fabrication



DE-OXIDIZED KARAT GOLD GRAIN

READY TO USE (Bead/Shot Form)



Alloy Code	Application	Color	Alloy Code	Application	Color
10KYCG-230	Casting	Standard Yellow	14K585-T 6	Casting	Ultra White
10KYCG-285	Casting	Rich Reddish Yellow	14KPCG-540	All Purpose	Premium Pink
10KYCG-837	Fabrication	Light Greenish Yellow	14KGCG-570	All Purpose	Green
10KYCG-VHF-1	Casting	Light Greenish Yellow	18KYCG-720	Casting	Rich Yellow
10KWCG-930	Casting	Ultra White	18KYCG-760	Casting	Green Yellow
10KWCG-982	Casting	Ultra White	18KYCG-780	Casting	Light Greenish Yellow
10KWCG-ROM2	All Purpose	Medium White	18KWCG-900	Casting	Medium White
14KYCG-UA-1	Casting	Rich Reddish Yellow	18KWCG-908	All Purpose	Premium White
14KYCG-UA-3	Casting	Light Greenish Yellow	18KWCG-930	Casting	Medium White
14KYCG-200	Casting	Bright Yellow	18KWCG-983	All Purpose	Soft White
14KYCG-220	Casting	Standard Yellow	18KWCG-987	Casting	Medium White
14KYCG-230	Casting	Standard Yellow	18KWCG-880	Fabrication	Medium White
14KYCG-837	Fabrication	Light Greenish Yellow	18KWCG-915	Casting	Ultra White
14KYCG-VHF-2	Casting	Standard Yellow	18KWCG-T 7	Casting	Ultra White
14KWCG-860	Fabrication	Ultra White	18KWCG-RM1	Casting	Premium White
14KWCG-915	Casting	Premium White	18KWCG-RM60	All Purpose	Super White
14KWCG-925	Casting	Medium White	18KWCG-PD-2	Casting	Vanilla White
14KWCG-982	Casting	Ultra White	18KWCG-PD-11	Casting	Premium White
14KWCG-PD-1	Casting	White	18KWCG-PD-16	All Purpose	Super White
14KWCG-900	Casting	Premium White	18KPCG-544	Casting	Pink
14KWCG-930	Casting	Ultra White	19KWCG-RM60	All Purpose	Super White

.925 STERLING SILVER GRAIN WITH PRECIOUS METALS

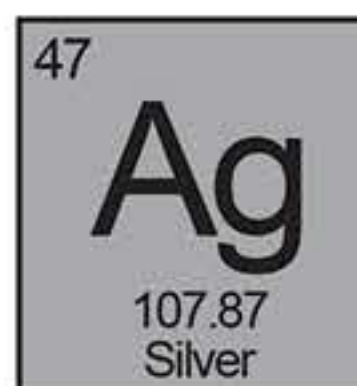
READY TO USE (Bead/Shot Form)

Alloy Code	Color	Application	Special Comments
SILVADIUM™ 1	Premium Metallic White	All Purpose	Palladium based, high tarnish resistance & hardness
STAGCG-MAG	Nickel White	Casting	Platinum based, very hard, low tarnish resistant
STAGCG-SU	Metallic White	All Purpose	Palladium based, high tarnish resistant
Karat Sterling	Vanilla White	All Purpose	Gold based, high tarnish resistance
Platilite™	Brilliant Bright White	All Purpose	Platinum based, user friendly
Platine™	Brilliant Bright White	All Purpose	Platinum based, superior hardness

.925 STERLING SILVER GRAIN HEAT TREATABLE, DE-OXIDIZED

READY TO USE (Bead/Shot Form)

Alloy Code	Color	Application	Special Comments
STERLIUM™	Dazzling White	All Purpose	High performance for enclosed casting
STERLIUM PLUS	Ultra White	All Purpose	Germanium based, Patented
STAGCG	Silvery White	All Purpose	Phos De-Ox, traditional silver-copper
STAGCG-Z	Silvery White	All Purpose	Traditional silver-copper, non tarnish resistant
STAGCG-22	Silvery White	Casting	Soft, tarnish resistant
STAGCG-57	Ultra White	Casting	Germanium based Patented De-Ox, fire-scale & tarnish resistant, improved hardness
STAGCG-57NA	Ultra White	All Purpose	
STAGCG-59	Super White	Casting	Hard, Patented De-Ox, tarnish resistant
STAGCG-86	Ultra White	All Purpose	De-Ox, high tarnish resistance, high fluidity
STAGCG-88	White	All Purpose	De-Ox, high tarnish resistance, high fluidity
STAGCG-97	Ultra White	All Purpose	De-Ox, high tarnish resistant
STAGCG-97NA	Super White	All Purpose	De-Ox, high tarnish resistant
STAGCG-D	Standard Silver	All Purpose	Patented De-Ox, soft, tarnish resistant

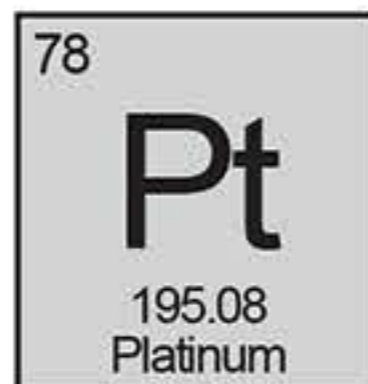


READY TO USE GRAIN



1K - 6K GOLDIUM® YELLOW & WHITE SERIES (PRE-KARATED)

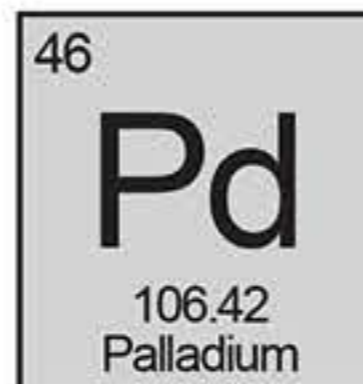
Alloy Code	Color	Recom. Karat	Special Comments
1KYCG1*	Light Yellow	1K	High hardness, good luster
4KYCG1*	Standard Yellow	4K	Hard, good luster & tarnish resistant
5KYCG1	Standard Yellow	5K	Hard, high luster & tarnish resistant
6KYCG1*	Bright Yellow	6K	Bright, super luster & tarnish resistant
6KWCG1	Very White	6K	Super luster, tarnish resistant & bright



PLATINUM GRAIN

READY TO USE (Bead/Shot Form)

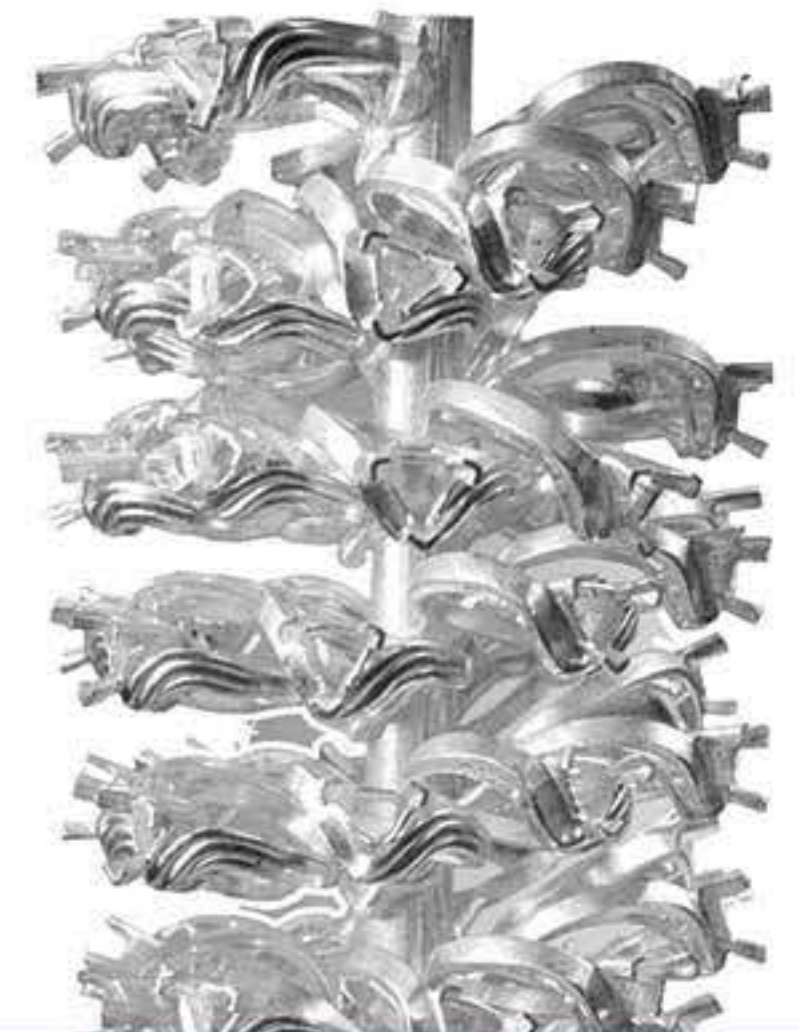
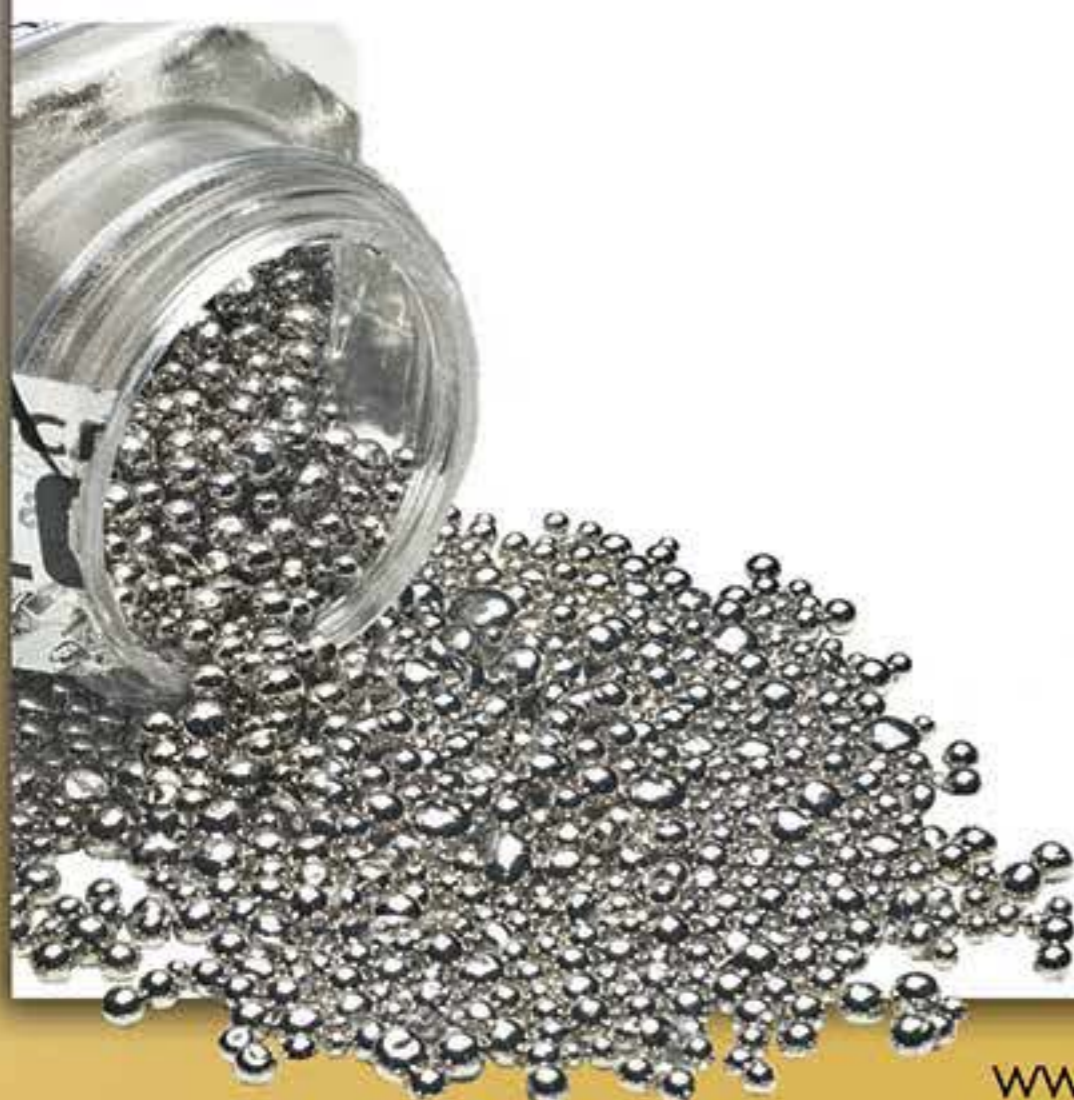
Alloy Code	Composition	Application	Special Comments
PTGRAIN	Platinum 90.0% + Iridium 10%	All Purpose	High luster, spring-hard
PT95.2IRID	Platinum 95.2% + Iridium 4.8%	All Purpose	High luster
PT95CO	Platinum 95.0% + Cobalt 5.0%	Casting	High fluidity, high hardness
PT95RUTH	Platinum 95.0% + Ruthenium 5.0%	All Purpose	Excellent fabrication properties, hard
PT90PD	Platinum 90.0% + Palladium 10.0%	All Purpose	Excellent fabrication properties, soft
PT95.2PD	Platinum 95.2% + Palladium 4.8%	All Purpose	Delicate designs & settings



PALLADIUM GRAIN

READY TO USE (Bead/Shot Form)

Alloy Code	Application	Special Comments
PD950GR5	All Purpose	Soft, excellent reusability, requires Pt investment & casting machine
PD950GR7	All Purpose	Hard, high reusability & wearability, requires Pt investment & casting machine



CADMIUM FREE SOLDERS

PLUMB GOLD

Type	Flow °F	Temp. °C
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LOW KARAT SOLDERS

2.6K Y Easy P	1290°	699°
6K Y Easy P	1350°	732°
8K Y X-Easy P	1340°	727°
8K Y Easy P	1360°	738°
8K W Easy P	1420°	771°
8K Y Hard P	1460°	793°
9K Y Easy P	1350°	732°
9K W Easy P	1360°	738°

10 KARAT SOLDERS

10K Y X-Easy P	1305°	707°
10K Y Easy P	1375°	746°
10K Y Med P	1400°	760°
10K Y Hard P	1475°	802°
10K W Easy P	1390°	754°
10K W Med P	1435°	779°
10K W Hard P	1570°	854°
10K Pink P	1550°	843°

12 KARAT SOLDERS

12K Y Easy P	1410°	766°
12K Y Med P	1460°	793°
12K Y Hard P	1500°	816°
12K W Med P	1425°	774°
12K P Med P	1555°	846°

14 KARAT SOLDERS

14K Y X-Easy P	1295°	702°
14K Y Easy P	1340°	727°
14K Y Med P	1390°	754°
14K Y Hard P	1480°	804°
14K Y X-Hard P	1540°	838°
14K W X-Easy P	1320°	716°
14K W Easy P	1390°	754°
14K W Med P	1450°	788°
14K W Hard P	1570°	854°
14K Green P	1430°	777°
14K Pink P	1560°	849°
14K Pink M P	1565°	852°
14K Pink H P	1570°	854°

18-22 KARAT SOLDERS

18K Y X-Easy P	1410°	765°
18K Y Easy P	1430°	777°
18K Y Med P	1475°	802°
18K Y Hard P	1550°	843°
18K W X-Easy P	1430°	777°
18K W Easy P	1460°	793°
18K W Med P	1535°	835°
18K W Hard P	1610°	877°
18K Green P	1450°	788°
18K Pink P	1590°	865°
18K Pink M P	1600°	871°
18K Pink H P	1610°	877°
19K W Weld P	1685°	918°
20K W Weld P	1700°	927°
22K Y Easy P	1670°	910°

REPAIR GOLD

Type	Flow °F	Temp. °C
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COSTUME & LOW KARAT

6Y X-Easy	1310°	710°
6Y Easy	1345°	729°
6W Easy	1390°	754°
8Y Easy	1350°	732°

10 REPAIR SOLDERS

10Y Easy	1340°	727°
10Y Med	1395°	757°
10Y Hard	1475°	802°
10W Easy	1365°	741°
10W Med	1425°	774°
10W Hard	1550°	843°
12Y Easy	1368°	742°

14 REPAIR SOLDERS

14Y X-Easy	1295°	702°
14Y Easy	1325°	718°
14Y Med	1380°	749°
14Y Hard	1471°	799°
14W X-Easy	1320°	716°
14W Easy	1380°	749°
14W Med	1440°	782°
14W Hard	1570°	854°

18-22 REPAIR SOLDERS

18Y Easy	1425°	774°
18Y Med	1495°	813°
18Y Hard	1535°	835°
18W Easy	1465°	796°
18W Med	1495°	813°
18W Hard	1590°	866°
20W Weld	1610°	877°
22W Weld	1620°	882°

LASER WIRE FOR SOLDERING

Gold/Platinum 36" Min. - Silver 1 t/oz. Min.

Approximate Weight per Foot in DWT

GA	MM	INCH	14K	18K	Platinum	Sterling
32	.20	.008	.082	.096	.136	.07
34	.15	.006	.046	.054	.076	.04

Because we value the safety & health of all our customers, our solders & solder alloys are **100% Cadmium FREE.**

PLUMB PLATINUM

Type	Flow °F	Temp. °C
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PTP1300 Easy	2372°	1300°
PTP1400 Med	2552°	1400°
PTP1500 Hard	2732°	1500°

REPAIR PLATINUM

Type	Flow °F	Temp. °C
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PS 900	1652°	900°
PS 1000	1832°	1000°
PS 1100	2012°	1100°
PS 1200	2192°	1200°
PS 1300	2372°	1300°
PS 1400	2552°	1400°
PS 1500	2732°	1500°
PS 1600	2912°	1600°
PS 1700	3092°	1700°

SILVER

Type	Flow °F	Temp. °C
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S X-Soft	1300°	704°
S Soft	1325°	718°
S Medium	1390°	754°
S Hard	1475°	802°
S X-Hard	1540°	838°



CADMIUM FREE SOLDERS



9K - 18K PALLADIUM WHITE GOLD SOLDERS

Alloy Code	Color	Recom. Karat	Flow	Special Comments
14KWHPD	Good White	9K-14K	All Purpose	Solder flow temp.: 1570°F (854°C)
18KWHPD	Medium White	18K	All Purpose	Solder flow temp.: 1560°F (849°C)

PALLADIUM 950 SOLDERS

Alloy Code	Color	Recom. Karat	Flow	Special Comments
PD950E	White	PD-950	Easy	Solder flow temp.: 2010°F (1099°C)
PD950M	White	PD-950	Medium	Solder flow temp.: 2200°F (1204°C)
PD950H	White	PD-950	Hard	Solder flow temp.: 2375°F (1302°C)



SOLDERS & SOLDER ALLOYS

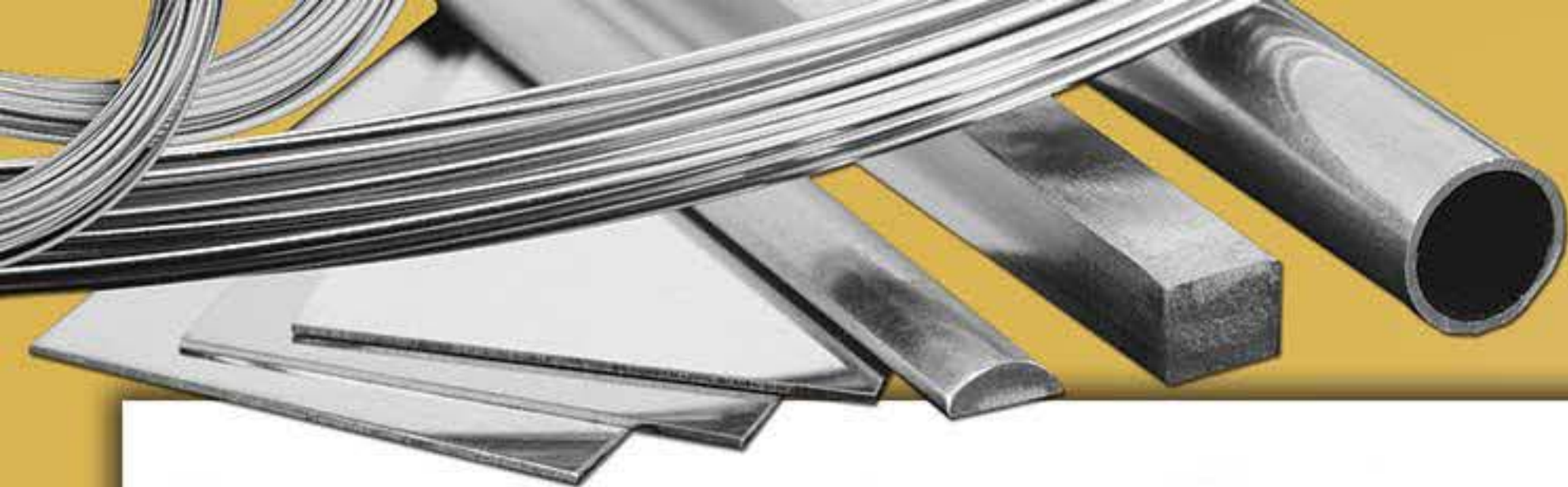
Always in stock & ready to ship!

Solder is available in a variety of sizes, including 1 DWT and 5 DWT pieces, as well as clipped solder.

MASTER ALLOYS for MAKING GOLD & SILVER SOLDER

Alloy Code	Color	Recom. Karat	Flow	Special Comments
1SA	Yellow	8K-14K	Extra Easy	For minor repair
2SA	Yellow	8K-14K	Easy	For soldering findings & repair
3SA	Yellow	8K-14K	Medium	For soldering findings & repair
4SA	Yellow	8K-14K	Hard	Hard, yellow for sizing of jewelry
5SA	White	8K-14K	All Purpose	Nickel & palladium free white
6SA	White	8K-14K	Easy	For minor repair
7SA	White	8K-14K	Medium	For soldering findings & repair
8SA	White	8K-14K	Hard	For soldering findings & repair
9SA	White	8K-18K	Easy	Nickel & palladium free for minor repairs
11SA	Pink	14K-18K	All Purpose	Light pink or dark yellow solder
12SA	Dark Pink	14K-18K	All Purpose	For minor & major repairs
30SA	Yellow	19K-22K	All Purpose	For minor & major repairs
18KYSAE	Yellow	18K	All Purpose	For minor & major repairs
18KWSAE	White	18K	All Purpose	For minor & major repairs
SSA	Sterling Silver	.925	All Purpose	For minor & major repairs & for laser wire





SIZING STOCK, WIRE, SHEET & TUBING

SMALL DIAMETER WIRE

Gold/Platinum 36" Min. - Silver 1 t/oz. Min.

Approximate Weight per Foot in DWT

GA	MM	INCH	10K	14K	18K	Platinum	Sterling
25	.46	.018	.36	.42	.50	.66	-
26	.40	.016	.29	.33	.39	.52	.23
27	.36	.014	.23	.26	.31	.42	-
28	.32	.013	.18	.21	.25	.33	.15
29	.29	.011	.15	.16	.20	.27	-
30	.25	.010	.11	.13	.16	.21	.10

SHEET / PLATE

Approximate Weight per Square Inch in DWT

GA	MM	INCH	10K	14K	18K	Sterling
8	3.25	.128	15.30	17.25	20.70	13.95
9	2.91	.114	13.80	15.60	18.50	12.48
10	2.59	.102	12.20	13.80	16.50	11.10
11	2.27	.091	10.95	12.35	14.50	9.96
12	2.00	.080	9.70	11.10	12.80	8.92
13	1.83	.072	8.70	9.83	11.55	7.88
14	1.63	.064	7.75	8.75	10.30	7.02
-	1.50	.060	7.26	8.28	9.44	6.39
15	1.45	.057	6.90	7.80	9.25	6.24
16	1.27	.051	6.10	6.89	8.10	5.80
17	1.15	.045	5.45	6.16	7.25	4.92
18	1.00	.040	4.85	5.49	6.45	4.43
19	.91	.036	4.35	4.90	5.80	3.94
20	.81	.032	3.85	4.37	5.15	3.53
21	.72	.028	3.41	3.86	4.53	3.06
22	.63	.025	3.04	3.44	4.08	2.74
23	.57	.023	2.68	3.03	3.55	2.40
24	.50	.020	2.42	2.74	3.21	2.20
25	.46	.018	2.16	2.45	2.88	2.00
26	.40	.016	1.94	2.17	2.55	1.77
27	.36	.014	1.71	1.93	2.26	1.53
28	.32	.013	1.50	1.68	1.98	1.30
29	.29	.011	1.34	1.52	1.79	1.20
30	.25	.010	1.22	1.38	1.60	1.12

LASER WIRE FOR SOLDERING

Gold/Platinum 36" Min. - Silver 1 t/oz. Min.

Approximate Weight per Foot in DWT

GA	MM	INCH	14K	18K	Platinum	Sterling
32	.20	.008	.082	.096	.136	.07
34	.15	.006	.046	.054	.075	.05

FLAT

Approximate Weight per Foot in DWT

MM	10K	14K	18K
10 x 1.5	33.51	37.95	45.65
10 x 1	22.36	25.31	30.45
8 x 2.5	44.65	50.57	60.84
8 x 2	35.74	40.47	54.09
8 x 1.5	26.81	30.36	36.53
8 x 1	17.89	20.26	24.37
7 x 2.5	39.09	44.26	53.25
7 x 2	31.27	35.41	42.60
7 x 1.5	23.47	26.57	31.97
7 x 1	15.66	17.74	21.33
6 x 2.5	33.51	37.95	45.65
6 x 2	26.81	30.36	36.53
6 x 1.5	20.13	22.79	27.41
6 x 1	13.43	15.21	18.29
5 x 2.5	27.93	31.63	38.04
5 x 2	22.36	25.31	30.45
5 x 1.5	16.78	19.00	22.85
5 x 1.25	14.00	15.84	19.05
5 x 1	11.20	12.69	15.25
5 x .75	8.41	9.52	11.45
4.5 x 2	20.13	22.79	27.41
4.5 x 1.5	15.11	17.10	20.57
4.5 x 1	10.08	11.41	13.73
4 x 3	26.81	30.36	36.53
4 x 4.25	20.13	22.79	27.41
4 x 2	17.89	20.26	24.37
4 x 1.5	13.43	15.21	18.29
4 x 1.25	11.20	12.69	15.25
4 x 1	8.97	10.15	12.21
4 x .75	6.75	7.63	9.17
3.5 x 2.5	19.56	22.15	26.64
3.5 x 2	15.66	17.74	21.33
3.5 x 1.5	11.76	13.31	16.01
3.5 x 1	7.86	8.89	10.69
3 x 2.5	16.78	19.00	22.85
3 x 2	13.43	15.21	18.29
3 x 1.5	10.08	11.41	13.73
3 x 1.25	8.41	9.52	11.45
3 x 1	6.75	7.63	9.17
3 x .75	5.07	5.74	6.89
2.5 x 2	11.20	12.69	15.25
2.5 x 1.5	8.41	9.52	11.45
2.5 x 1.25	7.02	7.95	9.55
2.5 x 1	5.63	6.36	7.65
2.5 x .75	4.23	4.79	5.75
2 x 1.5	7.11	7.63	9.17
2 x 1.25	5.63	6.36	7.65
2 x 1	4.51	5.10	6.13
2 x .75	3.40	3.84	4.61
1.5 x 1	3.40	3.84	4.61
1.5 x .75	2.56	2.89	3.47

AVAILABLE IN MANY OTHER SIZES

Most products are available in 10k, 14k, & 18k yellow, white, red, and green gold, sterling silver, fine silver, palladium & platinum, 14k & 18k white gold with palladium.



ROUND TUBING

Min. 3" / Max. 24"

Approximate Weight per Foot in DWT

Wall Thickness Order Number	O.D. MM/Inch	I.D. MM/Inch	14k DWT/FT	Insert Wire
Light .010" - 30 GA				
3.13 L	3.13 / .123"	2.63 / .103"	5.95	10 GA
2.85 L	2.85 / .112"	2.35 / .093"	5.55	12 GA
2.55 L	2.55 / .100"	2.00 / .079"	4.45	13 GA
2.25 L	2.25 / .089"	1.75 / .069"	4.10	14 GA
2.05 L	2.05 / .081"	1.50 / .061"	3.50	15 GA
1.80 L	1.80 / .071"	1.30 / .051"	3.25	17 GA
1.60 L	1.60 / .063"	1.10 / .043"	2.85	18 GA
1.43 L	1.43 / .056"	.93 / .037"	2.50	20 GA
1.25 L	1.25 / .049"	.75 / .030"	2.10	21 GA
1.13 L	1.13 / .044"	.63 / .025"	1.75	23 GA
1.00 L	1.00 / .039"	.50 / .020"	1.60	25 GA

Medium .015" - 26 GA

5.80 M	5.80 / .228"	5.00 / .197"	16.44	5 GA
4.80 M	4.80 / .189"	4.00 / .157"	13.26	7 GA
3.75 M	3.75 / .150"	2.95 / .116"	10.22	9 GA
3.30 M	3.30 / .130"	2.50 / .098"	8.91	11 GA

Heavy .020" - 24 GA

3.13 H	3.13 / .123"	2.13 / .084"	10.47	12 GA
2.85 H	2.85 / .112"	1.85 / .073"	9.26	14 GA
2.50 H	2.50 / .098"	1.50 / .059"	7.90	15 GA
2.25 H	2.25 / .089"	1.25 / .049"	6.88	17 GA
2.00 H	2.00 / .079"	1.00 / .039"	5.93	19 GA

HALF ROUND

Approximate Weight per Foot in DWT

MM	10K	14K	18K
8 x 2	31.33	35.00	42.69
8 x 1.5	23.37	26.46	31.83
7 x 2	27.42	31.06	37.36
7 x 1.5	20.45	23.16	27.85
6 x 2	23.51	26.63	32.03
6 x 1.5	17.53	19.86	23.88
5 x 2	19.60	22.19	26.70
5 x 1.5	14.00	16.56	19.91
4 x 2	15.60	17.50	21.36
4 x 1.5	11.59	13.26	15.76
3 x 2	11.77	13.27	16.03
3 x 1.5	8.85	9.90	11.92
2 x 1.5	6.02	6.85	7.96
2 x 1	3.90	4.26	4.95
1.5 x 1	3.11	3.39	4.06

SQUARE

Approximate Weight per Foot in DWT

MM	10K	14K	18K
6 x 6	80.28	90.96	109.43
5 x 5	55.80	63.16	76.00
4 x 4	35.64	40.44	48.60
3.5 x 3.5	27.36	30.96	37.20
3 x 3	20.04	22.80	27.36
2.5 x 2.5	13.92	15.84	18.96
2.25 x 2.25	11.29	12.84	15.36
2 x 2	8.88	10.08	12.12
1.75 x 1.75	6.84	7.80	9.36
1.5 x 1.5	5.04	5.64	6.84
1.25 x 1.25	3.48	3.96	4.80
1 x 1	2.28	2.52	3.00
.75 x .75	1.32	1.44	1.68

ROUND

Approximate Weight per Foot in DWT

GA	MM	INCH	10K	14K	18K
2	6.50	.257	76.50	86.10	99.30
3	5.80	.229	61.65	69.40	80.05
4	5.20	.204	46.80	56.60	67.25
6	4.12	.162	29.66	33.60	40.42
7	3.67	.144	23.53	26.65	32.07
8	3.25	.128	18.66	21.15	25.44
9	2.91	.114	14.79	16.76	20.16
10	2.59	.102	11.70	13.25	15.99
11	2.27	.091	9.30	10.53	12.70
12	2.00	.080	7.40	8.35	10.00
13	1.83	.072	5.86	6.64	7.95
14	1.63	.064	4.64	5.30	6.35
-	1.50	.060	4.17	4.72	5.63
15	1.45	.057	3.68	4.17	5.02
16	1.27	.051	2.95	3.30	3.98
17	1.15	.045	2.32	2.62	3.16
18	1.00	.040	1.84	2.08	2.50
19	.91	.036	1.45	1.65	2.00
20	.81	.032	1.15	1.35	1.55
-	.75	.030	1.03	1.15	1.38
21	.72	.028	.92	1.08	1.20
22	.63	.025	.72	.82	.99
23	.57	.023	.58	.65	.79
24	.50	.020	.45	.52	.62

Product Conversion: 18 GA = 1MM = .040 inches. To convert (inch) to MM divide by .04. Square tubing, step bezel and bezel strip are also available.

UNITED BULLION (Gold & Silver)

United PMR offers an assortment of bullion Gold & Silver products. Our Fine Gold and Fine Silver bars are certified and stamped with a guaranteed purity of 999.9 and are available in an assortment of sizes to meet the budget and need of a wide array of consumers. Other products are also available including monetary bullion.

Precious Metals have always been an inflation hedge for the world economy. During times of inflation Gold has always been a measuring stick for real value. When economic inflation occurs, Gold rises in value. When fears of economic downturn occur, Gold rises in value.

Many financial planners recommend a 5% to 10% investment of accumulated assets in Gold. Some refer to it as insurance against catastrophe.

The other Precious Metals do not always rise or fall in conjunction with Gold. Silver, for example, has a more abundant world supply. Some feel the price of Silver is low compared to Gold, which historically kept a higher ratio. Silver at its current prices might be a better investment for lower investment costs and larger Precious Metal content.

Comex
Fine Gold
Approved



1 Troy Ounce
Gold Bars



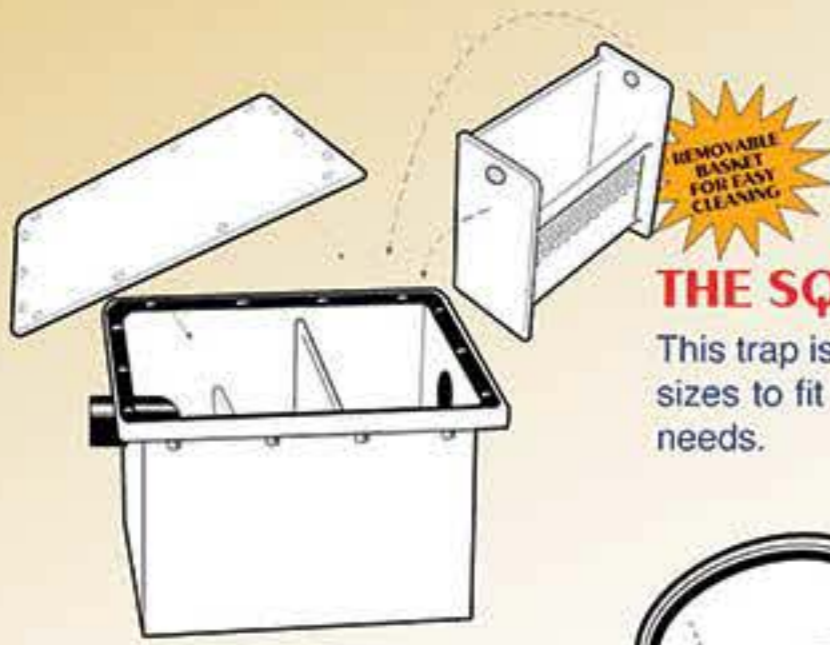
Investment
Gold &
Silver Bars



Gold & Silver
Coins



SINK TRAPS



THE SQUARE TRAP

This trap is available in three escalating sizes to fit all your companies personal needs.

S350

THE ROUND TRAP

This trap fits well under the sink for the one man operation.



S300



DE-VESTING CHEMICALS



1 LB. • 1.5 LB. • 2 LB.

BRITE CAST KIT



CASTING FLUX, BORIC ACID & BORAX



CLAY-GRAPHITE CRUCIBLES

**Exclusively serving the
jewelry industry...**

Conflict-Free Gold
No mining materials
are processed at United



Financial strength and stability since 1988...



**GOLD • SILVER • PLATINUM • PALLADIUM
REFINING • BENCH/FLOOR SWEEPS • CRUCIBLES & SLAG • FILINGS/GRINDINGS
TOOLS • KARATED/DENTAL SCRAP • CARPET • STONE REMOVAL**



FULL SERVICE REFINER FROM SCRAP TO SWEEPS



CONFLICT-FREE GOLD

REFINING

United PMR is a primary refiner processing **GOLD, SILVER, PLATINUM and PALLADIUM**. We specialize in refining for the jewelry industry, processing everything from scrap to polishing sweeps. From the smallest karated scrap lot to the largest, our advanced technology provides our customers the **MAXIMUM RETURNS** with the most competitive charges. Casting grains, wire and solder are also available in Gold, Silver, Platinum and Palladium.

- Karated Scrap
- Dental Scrap
- Stone Removal
- Stone Frosting
- Crucibles & Slag
- Silver Scrap
- Polishings/Tort Filters
- Filings & Grindings
- Tools
- Carpet
- Sludge
- Floor & Bench Sweeps

We offer numerous **SETTLEMENT OPTIONS:**

- Check/Wire Transfer
- Fine Gold Bars/Coins
- Products
- Pool Accounts

Our special combination of technology, prompt service and several settlement options has made many of our customers refer to us as the **"Refiner of Choice"**.



STONE REMOVAL & FROSTING

Stones are carefully removed from your scrap Gold through a non-destructive process which allows for a safe return of your Diamonds, CZ's, Moissanite and most harder colored stones.

Frosting services are also available upon request.

For information and pricing, contact your sales representative today.



LOW GRADE MATERIALS

For over 30 years, United PMR has been specializing in refining low grade materials for the jewelry industry.

From polishings, filings & grindings to bench sweeps and floor sweeps, United PMR can refine these low grade materials for precious metal recovery.

They also process byproducts such as used crucibles and slag. Have a sink trap in your shop? United PMR can process the sink sludge and recover the precious metals trapped in the sludge.

Moving to a new location or simply renovating your shop? United PMR refines carpeting from the shop which can often catch dust from polishings and sweeps.





FREQUENTLY ASKED QUESTIONS

What do I need to do if I want to send in scrap to be refined and have never worked with United Precious Metals before?

The first thing you need to do is to provide us with a completed USA Patriot Act. This form can be found on our website at http://www.unitedpmr.com/patriot_act.php or you can call us at 1-800-999-3463 and we can email or fax you the needed documents. The USA Patriot Act is required by the government to ensure our practices are ethical. Once we have this documentation we can create an account for you to do business with United.

What things are important for your refiner to know?

In order for us to process your material to give you back the best return we need as much information as you can provide about the material you are sending in. We provide you a packing list on our website at http://www.unitedpmr.com/docs/REFINING_PACKING_LIST.pdf or you can call 1-800-999-3463 and we can email or fax you the form. The more information you fill in this document the better we can process your material. Please be sure to clearly print your name, contact information, phone number, and your weights at shipping. We will verify the information in our receiving department when we receive your shipment.

Does United PMR extend terms to its customers?

United PMR does have terms available to purchase products. A credit application is required for these terms and is available on our website at <https://secure.unitedpmr.com/login.php> or you can call 1-800-999-3463 and we can email or fax the application.

How long does it take to process my material?

The type of material will determine how long it takes to process. Please refer to the following schedule:

- High Grade Gold Scrap – 1-2 business days
- High Grade Silver Scrap – 7 business days
- High Grade Platinum / Palladium – 5 business days
- Bench Sweeps / Filings – 7 business days
- Polishing Sweeps – 15 business days
- Floor/Blower Sweeps – 15 business days

Is there a minimum amount of material that I need to have before sending in my material for processing?

United PMR does not have a minimum quantity requirement however there are minimum charges. The basic rule of thumb is that you should wait until you have accumulated as follows before sending your material in for processing:

- High Grade Gold Scrap – 1 troy ounce or 20 dwt
- High Grade Silver Scrap – 30 troy ounces
- High Grade Platinum / Palladium – ½ troy ounce
- Polishing / Blower Sweeps – 5 lbs.

How can I get additional information?

You can go to our website at www.unitedpmr.com or call our office at 1-800-999-3463. Our goal is for you to have a great experience, so please contact us if you have any questions.

CERTIFICATIONS

United Precious Metal Refining, Inc. is proud of its certifications which indicate our commitment to maintaining the highest standards in our industry:



UPMR is a certified member of the Responsible Jewellery Council (RJC) and is recognized for our compliance with their Code of Practices.



UPMR has been certified as 100% Recycled in Fine Gold and Silver by SCS – Global Services – a leader in auditing, testing, and standards development.



UPMR is certified by the Responsible Business Alliance (formerly the Electronics Industry Citizenship Coalition and the Global e-Sustainability Initiative) as a "Conflict-Free" smelter.



UPMR gold bars have been approved for "Good Delivery" against Gold futures contracts on the COMEX (Commodities Exchange, Inc.), the futures exchange owned and operated by the Chicago Mercantile Exchange.

ANALYTICAL SERVICES (Precious Metals & Jewelry)

Our refining customers as well as our product customers benefit from United PMR's advanced analytical services laboratory. Fire assay, X-ray analysis and ICP are all used to detect payable metals in a refining lot to maximize the customer's return. These same tools are utilized for our own internal quality control to ensure each jewelry manufacturing product you buy from United PMR is pure and free from any dangerous metals like cadmium or lead.

FIRE ASSAY ANALYSIS



X-RAY FLUORESCENCE



ICP



MACBETH COLOR MEASURING



PLATING THICKNESS TEST



VICKERS HARDNESS TESTING



CUSTOMER ACCOUNT PORTAL (CAP)

United makes it easy to have the information you need at your fingertips. Simply log on to our web-based Customer Account Portal (CAP) by visiting www.UnitedPMR.com/dashboard. There you can access the following account information:

PRODUCT ORDERS
ORDER HISTORY
REFINING LOTS
LOT HISTORY
LOT LOCK-INS
& MORE!



It's never been easier to access your account information.

The CAP can be accessed using a desktop or laptop computer as well as your mobile device through United's Mobile App. Find it in the Apple Store or Google Play. For more information on the mobile app, visit www.UnitedPMR.com/united_app.

CUSTOMER APP FOR IOS AND ANDROID

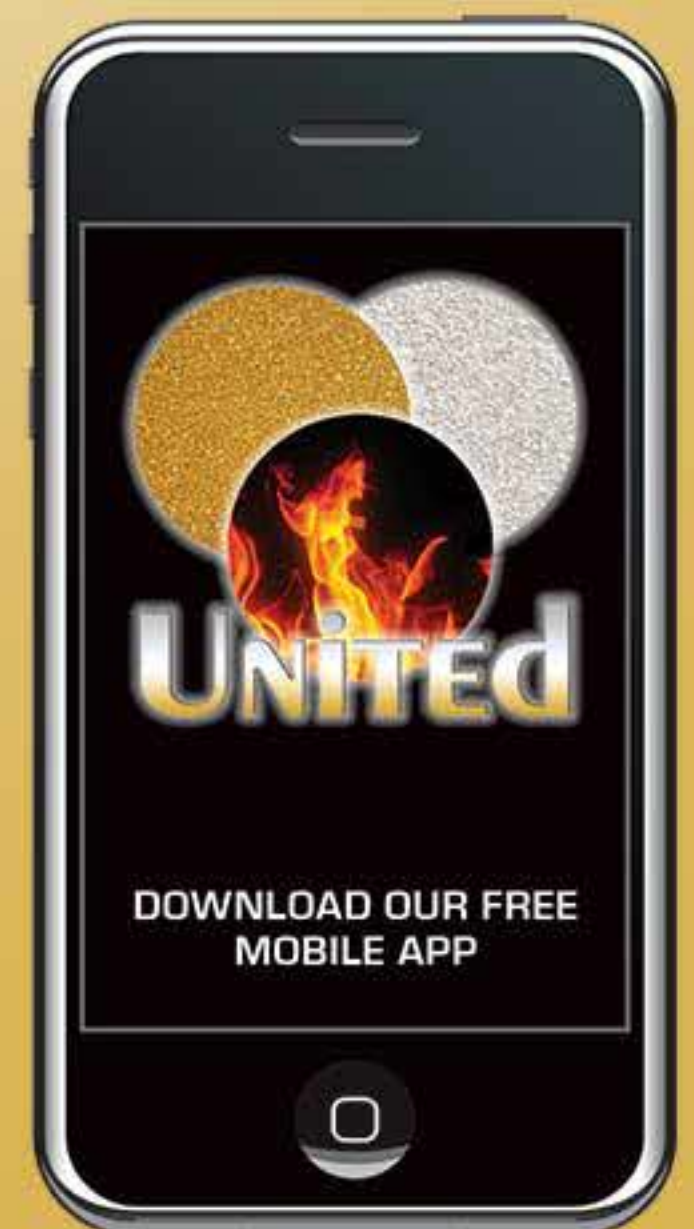
United PMR published an app that all types of customers will find useful. Whether you want to schedule refining lot pickups, check on live precious metal prices, calculate the value of your scrap gold, or find the right product for your casting, fabrication, or soldering needs, you will love having this app just a tap away.

Our app is currently available for FREE (and without any ads) for the iPhone, iPad, iPod Touch, and Android devices.

Main Features

- Check live precious metal spot prices.
- Schedule scrap lots for pickup and refining.
- Browse United's catalog of ready-to-use grains, master alloys for casting or fabrication, cadmium-free solders and solder master alloys.
- Estimate value of scrap gold based on market price, karat and average assay percentages.
- Mobile chat support from traders, technical support, customer service, and refining.
- "What's New" section to keep you on top of new products, events, etc.

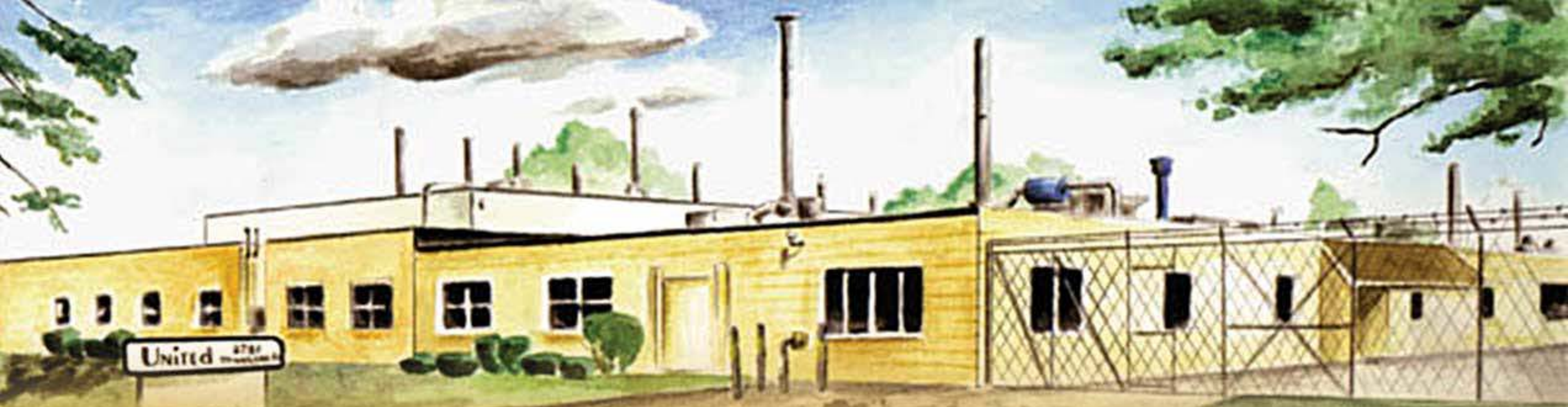
STAY CONNECTED!



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United's mission is to achieve profitable growth through superior customer services, innovation and a commitment to product quality.



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