

## Spin Cast Medals

1-5 day delivery.  
See page 30 and call for production  
availability.



MADE IN USA

# RUSH



## PRIORITY PRODUCTION!

### 5 Days or Less!

**3 Days**



**2 Days**



**1 Day**



**2 Days**



Antique  
Gold

Antique  
Silver

Antique  
Bronze

Pewter

**2 Days**



**3 Days**



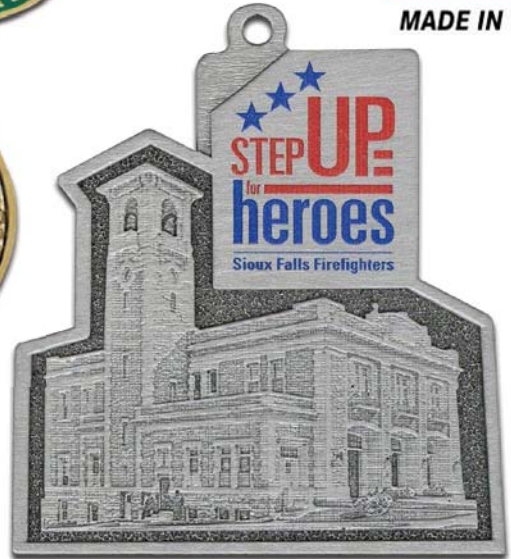




**Specialty  
Spin Cast Medals**



**MADE IN USA**



**Photo Image Spin Cast Medals**





## Spin Cast Medals Single-Faced

Spin casting involves using centrifugal force to make castings from a rubber or a silicone mold. Spin cast products are a great option for customers who are seeking medals at an economical price.

### Price Includes:

Antique gold, silver, or bronze with laser engravable plating.

0.125" thick

2D artwork

Shrink packaging



MADE IN USA



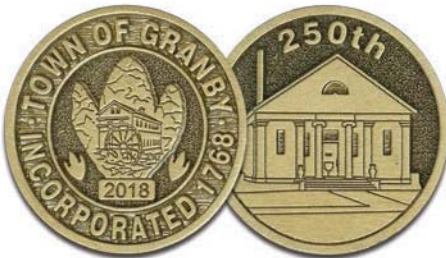


## Spin Cast Medals Double-Faced

Price Includes:  
Antique gold, silver, or bronze with  
laser engravable plating.  
0.125" thick  
2D artwork  
Shrink packaging



Coins and Medallions available.



**MADE IN USA**





## Keys

Custom keys to the city are perfect for any corporate or commemorative event.



Custom state, county, or city shaped ends.



Custom sizes available. Please call for quote.

## Belt Buckles

Custom quality cast belt buckles are available in many shapes and designs. All are furnished with a 1-3/4" belt loop attachment.



Spin Cast



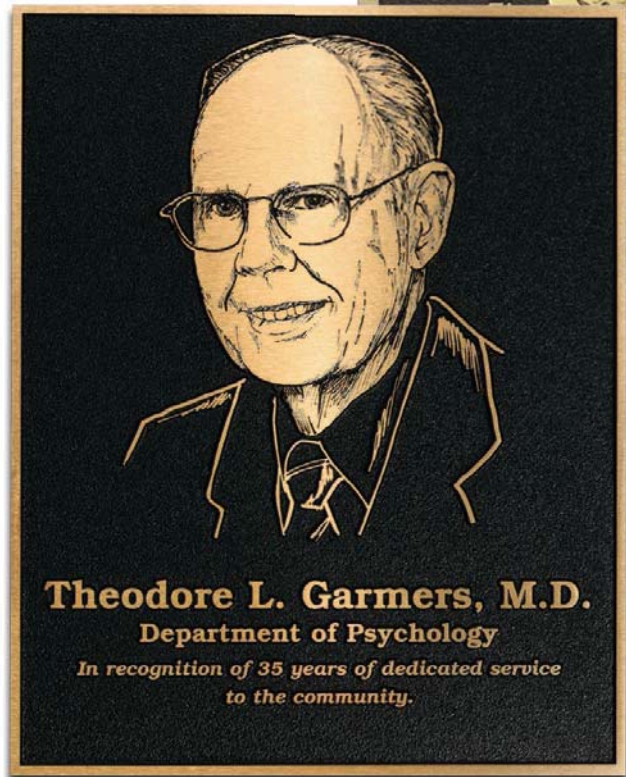
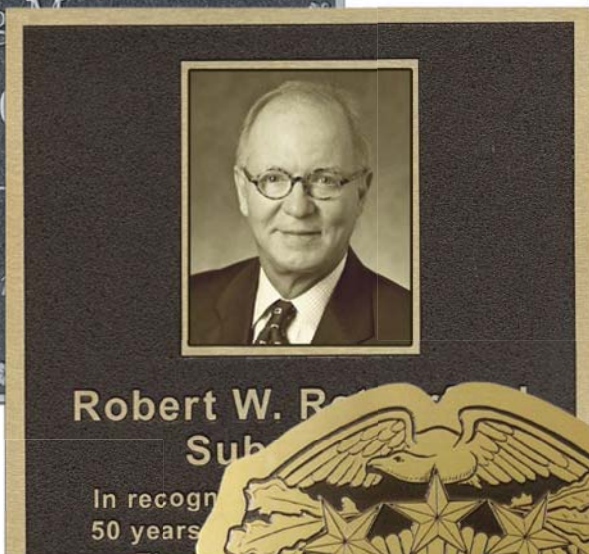
Die Cast







Metal Photo Insert



Portrait Line Drawing



## Z-Bronze Plaques

Z-Bronze is a cost-effective alternative to cast bronze plaques. Z-Bronze looks and feels just like cast bronze without the high cost. Etchings have crisp text and details, and are available with an exterior coating.

### Price Includes:

Black or Brown Suede Background  
Exterior coating (if needed)

VHB tape or drilled holes are available on all thicknesses.

Blind-mounted studs are only available on 1/4" thickness.

1/16" & 1/4" Thickness Maximum Size:  
23-1/2" x 35-1/2"

1/8" Thickness Maximum Size:  
23-1/2" x 17-1/2"



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## Die Cast Medals Single-Faced

Die cast items are made when molten metal is injected into a steel die, and is ideal for color fill, 3D tooling, cut out or see thru designs, and/or bright plating.

Price Includes:

Antique or bright brass, silver,  
or copper plating

Round

3mm (0.118") thick

2D artwork

Individually polybagged

Call for quote:

3D die

Additional thickness

14K gold plating

Non published plating

Cloisonné style color fill

Preproduction sample

No loop





## Die Cast Medals



Double-sided medals and spinners are available. Please call for quote.





## Die Cast Coins & Medallions

### Price Includes:

Antique or bright brass, silver,  
or copper plating  
Up to four soft enamel colors per side  
Round  
3mm (0.118") thick  
2D artwork  
Individually polybagged

### Epoxy Dome:

\$0.10 (A) per piece, per side

### Square:

Add 10% to piece price.

### Call for quote:

Additional soft enamel color  
Color filled text  
3D die  
Additional thickness



**Coin or Medallion?**  
The difference is in the flip.



**MEDALLION**

Readable when spun on a vertical axis.



**COIN**

Readable when spun on a horizontal axis.

The factory recommends antique plating on die cast coins and medallions.

### Special Packaging

Call for quote.



**Coin Capsule**



**Velvet Pouch**



**Vinyl Pouch**





## Die Struck Coins & Medallions

Die struck items are made when a steel die is used to strike an image into a flat piece of brass, iron, or copper. The striking process allows for very crisp 2D or 3D details with no variations in design, shape, or size from piece to piece. Die struck products are typically favored by the military and government agencies due to their high quality look and feel.

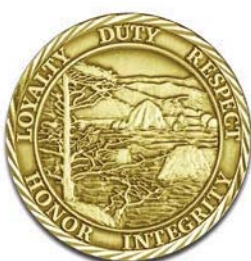
Bright brass, silver, or copper plating



Printed Insert

Call for quote:  
3D die

Two-tone plating  
Additional thickness  
Cut outs or see through areas  
Square or odd shape  
Non published plating  
Preproduction sample



Oblique Line Edge

Flat Wave Edge

Curved Wave Edge



## Lapel Pins

### Cloisonné Style

Cloisonné Style lapel pins are struck in brass or iron, and filled with resins giving you the same look and feel as cloisonné with the added benefit of Pantone color matching at a lower price.



### Soft Enamel

Soft Enamel lapel pins are struck in brass or iron, and filled with soft enamel paint that can be Pantone color-matched.

Price Includes:

Four colors

Butterfly Clutch

0.05" - 0.063" thick

2D art

Bright Plating



3D Sculpt

### Special Recognition and Years of Service Pins



For square pins,  
use next row pricing.

Additional tooling charges may  
apply.

Production Time:  
4 weeks from approved art plus  
delivery.





3D Sculpt



## Lapel Pins

### Metal Finish

Metal Finish lapel pins are die struck in brass or iron, and offer sharp details and finishes perfect for businesses and corporations.

Price Includes:

Bright Plating

Butterfly Clutch

0.05" - 0.063" thick

2D art

### Offset Printed

Printed Lapel Pins are perfect for complex color combinations. They are ideal for photo reproductions or designs with gradient color blends and custom shapes.

Price Includes:

Unlimited colors

Butterfly Clutch

0.031" thick

2D art

Aluminum or brass material

Epoxy dome



## Express Printed Pins

Express Printed lapel pins are perfect for quick turnaround times and exact logo reproduction.

A printed disc is attached to a gold, silver, or black finding and covered with a protective poly dome.

Up to nine different sizes in seven different shapes are available.

Price Includes:

Stock finding in gold, silver, or black.

Butterfly Clutch

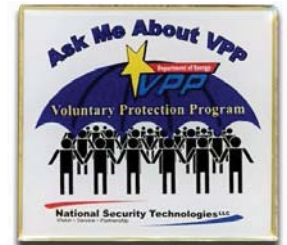
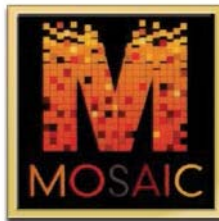
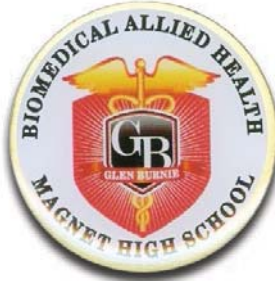
Individually polybagged

Poly Dome Insert

Production begins the day after art approval.



**MADE IN USA**



**OVALS**



**CIRCLES**



**SQUARES**



**SQUARES  
ROUNDED CORNERS**



**TRIANGLES**



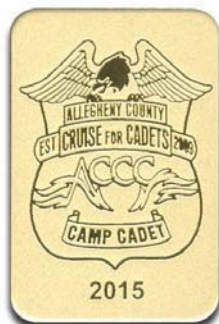
**RECTANGLES**



**RECTANGLES  
ROUNDED CORNERS**

Part #	Size	Part#	Size	Part #	Size	Part #	Size	Part #	Size	Part #	Size	Part #	Size
OV-1	7/8" X 3/4"	CR-1	3/4"	SQ-1	3/4"	SRC-1	3/4"	TR-1	3/4"	RT-1	7/8" X 1/2"	RRC-1	1" X 3/4"
OV-2	1-1/4" X 3/4"	CR-2	7/8"	SQ-2	7/8"	SRC-2	1"			RT-2	1" X 1/2"	RRC-2	1" X 7/8"
OV-3	1-1/4" X 7/8"	CR-3	1"	SQ-3	1"	SRC-3	1-1/4"			RT-3	1" X 3/4"	RRC-3	11/16" X 13/16"
		CR-4	1-1/4"	SQ-4	1-1/4"					RT-4	1-1/4" X 1/2"	RRC-4	1-1/4" X 3/4"
		CR-5	1-1/2"	SQ-5	1-1/2"					RT-5	1-1/4" X 3/4"	RRC-5	1-1/4" X 1"
										RT-6	1-1/4" X 1"		
										RT-7	1-1/2" X 1"		





## Express Etched Pins

Express Etched lapel pins are perfect when you need a custom metal finish pin quickly.

Etched in brass, they are available in nine different sizes and shapes.

### Price includes:

Stock finding in antique or frosted gold or silver, or

2-Tone gold and silver plating.

Raised and recessed art

Up to two butterfly clutches

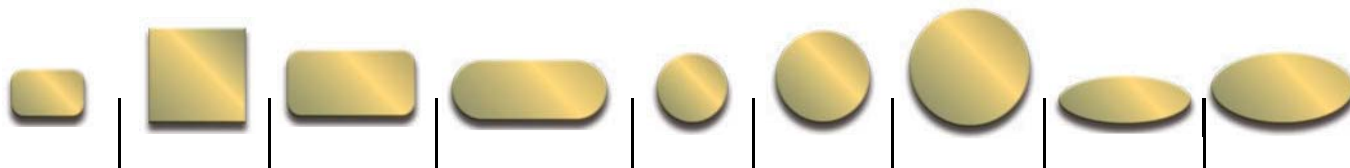
Individually polybagged

Express Etched lapel pins are not available with color fill.

Production begins the day after art approval.



**MADE IN USA**



Part #:	EE-1	EE-2	EE-3	EE-4	EE-5	EE-6	EE-7	EE-8	EE-9
Size:	0.75" X 0.50"	1" X 1"	1.30" X 0.69"	1.64" X 0.65"	0.75"	1"	1.25"	1.375" X 0.50"	1.50" X .75"

Custom shapes also available. Please call for quote.



## Express Printed Coins

Express Printed Coins are perfect when you need a custom coin, but you don't have four weeks.

Price Includes:

PC-1 thru PC-2

Bright gold or silver plating  
Milled edges

Poly dome insert front and back

Individually polybagged

PC-1 accepts 1-1/2" round inserts

PC-2 accepts 1-3/4" round inserts

PC-3 thru PC-4

Antique gold or silver plating

Diamond cut border

Milled edges

Poly dome insert front and back

PC-3 accepts 1-1/2" round inserts

PC-4 accepts 1-3/4" round inserts

Production begins the day after  
art approval.

Express Printed Medals also available.  
Please call for size and quote.



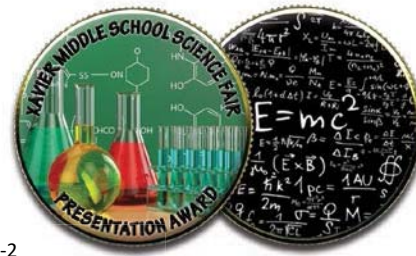
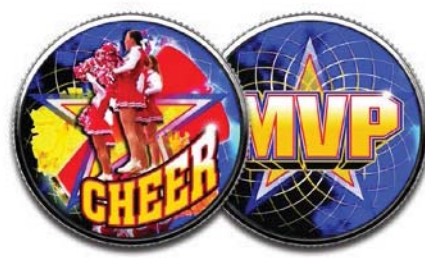
Bright Gold    Bright Silver    Bright Bronze



Black Finish Border



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PC-1, PC-2



Bright Gold    Bright Silver



PC-3, PC-4



Antique Gold    Antique Silver





**Etched Ornaments**

## ***Express Printed Ornaments***

Express Holiday Ornaments make great holiday gifts and greetings that will be treasured year after year.

Price Includes:

OR-1 thru OR-4

Approximately 3" with

1-1/2" round insert

Gold plated etched brass

Poly dome insert

Metallic gold string

Individually polybagged

Price Includes:

OR-5 thru OR-6

Approximately 2-1/2" with

1-7/16" x 5/8" rectangle insert

OR-7 thru OR-8

Approximately 2-1/2" with

1-1/2" x 3/4" oval insert

Antique silver

Die cast zinc

Poly dome insert

Silver metallic string



**Die Cast Ornaments**

**Production begins the day after  
art approval.**



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## Custom Lanyards

Price Includes:  
 35-1/2" long lanyard  
 One side of art/text  
 One color art/text  
 J-Hook attachment  
 Stock color

Call for quote:  
 Other attachments - page 27  
 Text or art on both sides  
 Text or art with multiple colors  
 Plastic badge holders  
 Custom Pantone color match

### Stock Colors:



Black	Cool Gray 8	Gray 877	Cool Gray 6
White	Yellow	Yellow 1235	Orange 021
Red 032	Red 485	Red 1795	Purple 252
Blue 281	Reflex Blue	Blue 293	Process Blue
Green 348	Green 354	Green 361	Green 7481

### Printed Glitter Lanyard



### Printed Polyester Lanyard



### Printed Tube Strap Lanyard





Full Color Lanyards



Custom Lanyards



Woven Polyester Lanyard





## Custom Ribbons

### Printed Ribbons

Price Includes:

One color text or art printed on stock ribbon color with one side of art, and a jumpring.

#### Stock Colors:



Black	White	Gray 421	R/W/B
Pink 210	Red 209	Red 186	Red 485
Orange 1655	Orange 021	Gold 137	Gold 1225
Yellow 109	Yellow	Green 347	Green 349
Dark Green 3435	Blue 3125	Light Blue 292	Reflex Blue
Dark Blue 282	Purple 267	Purple 2607	Purple 2627

Metallic Ink = \$0.07 extra per piece.

#### Full Color Ribbons

Price Includes:  
One side of art and a jumpring.

### Printed Ribbons



### Full Color Ribbons







## Emblematic Collection

Use the same emblem with a multitude of attachments and accessories. This is a perfect option for years of service and customer appreciation programs as well as gift store items.

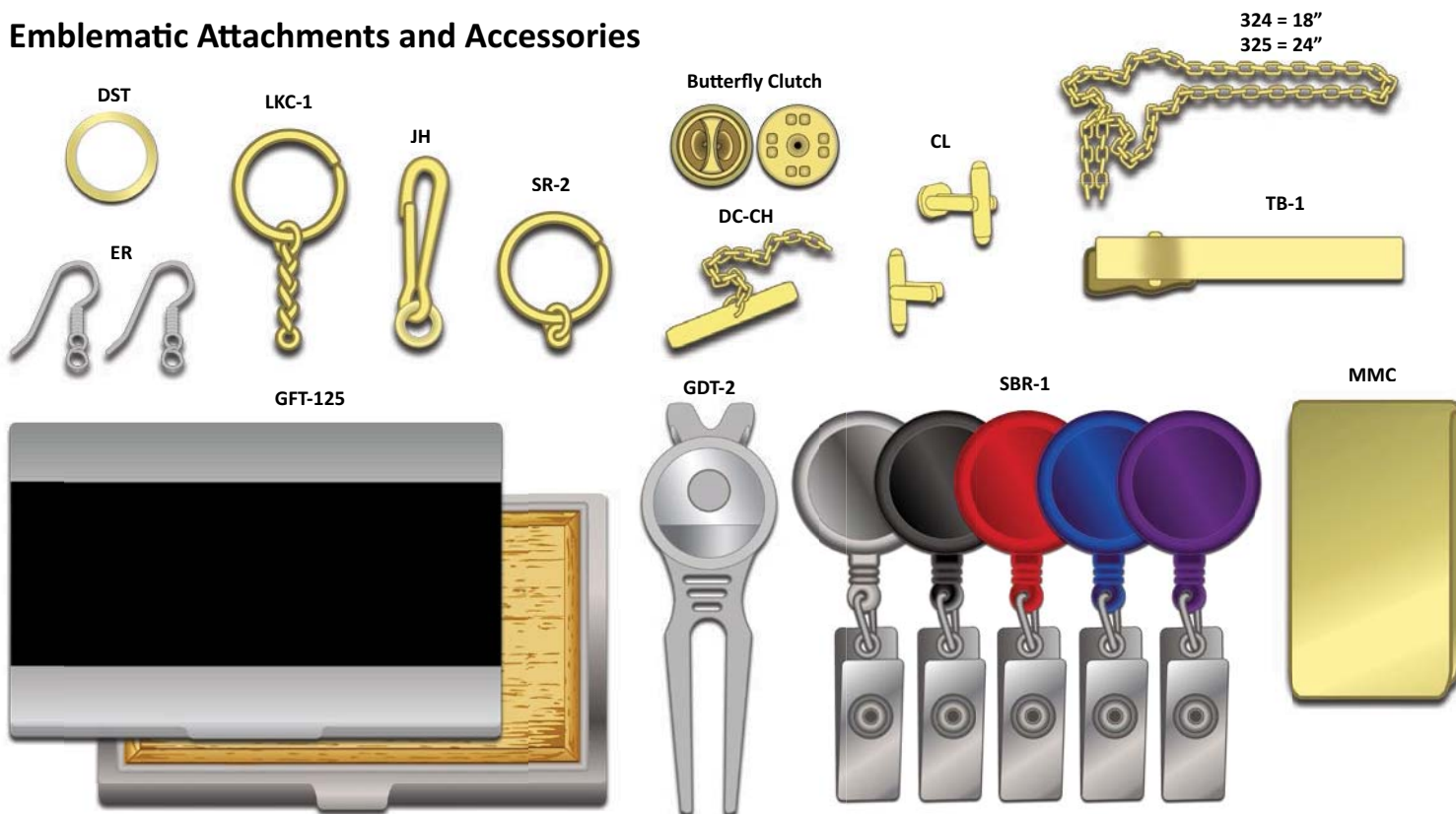
All items (except business card holder, divot tool, and retractable reel) available in gold or silver finish.

Minimum of 100 emblems with 20 pieces per attachment.

Please call for quote.



## Emblematic Attachments and Accessories





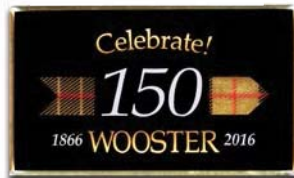
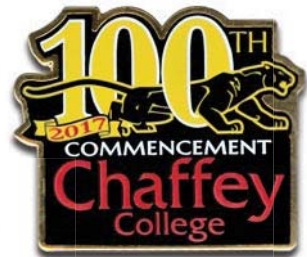
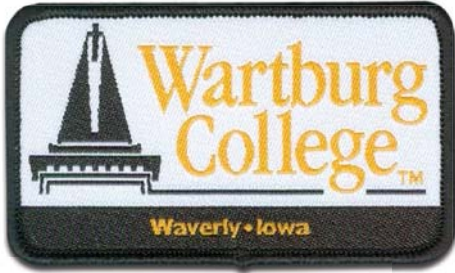
## Collegiate Items

We offer lapel pins, lanyards, keychains, graduation medals, emblematic gifts, and more. All items are custom made to your specifications.





## Collegiate Items



Cutting Boards with Print



Printed and Lasered Coasters





## Specialty Items

Please call for quote.

Medal with  
Add On Charm



Trophy Toppers



Car Emblems



Multi Process Production  
Die Struck Cloisonné Style w/ Print



Special 3D Die Cast

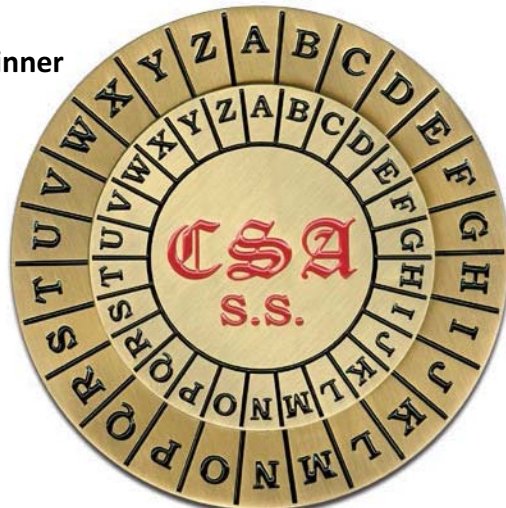


Rhinestone Accent

Silicone Bracelets



Die Cast Spinner





## Embroidered Patches

Price Includes:  
Nine colors per design  
Merrow Border  
Twill background  
Sew on backing





## Bottle Openers

### Pop2Now Bottle & Can Opener

One opener opens all pop top bottles and all pull tab cans, and can be customized with your logo or event.

Please call for a quote.

Open Cans  
&  
Bottles

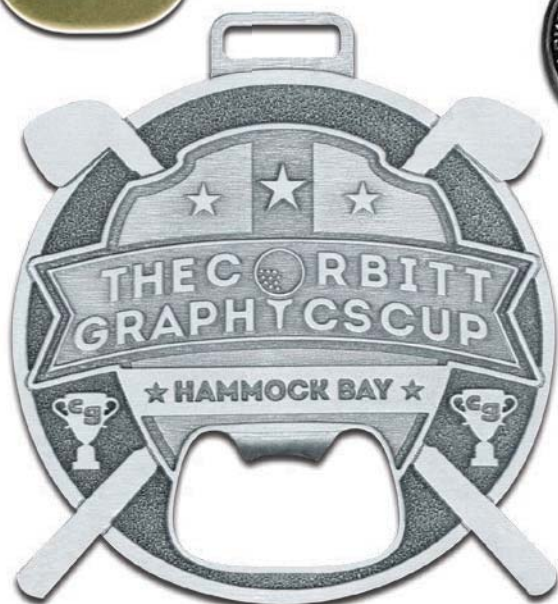


Pop2Now with direct to metal print.



Poly Dome

Minimum of 2 inches.





Collar Pins



## First Responders



Die Cast Keychain



Printed Poker Chips



[www.sheriff.cuyahogacounty.us](http://www.sheriff.cuyahogacounty.us)

Includes printed edges.

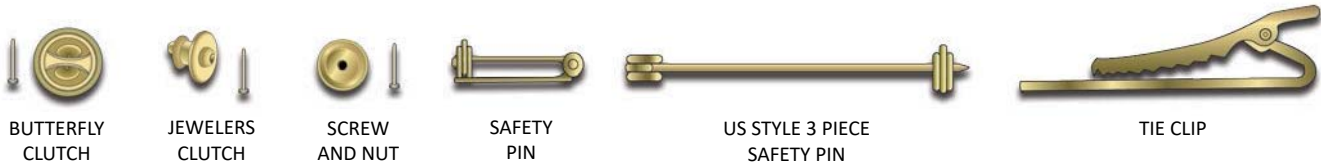




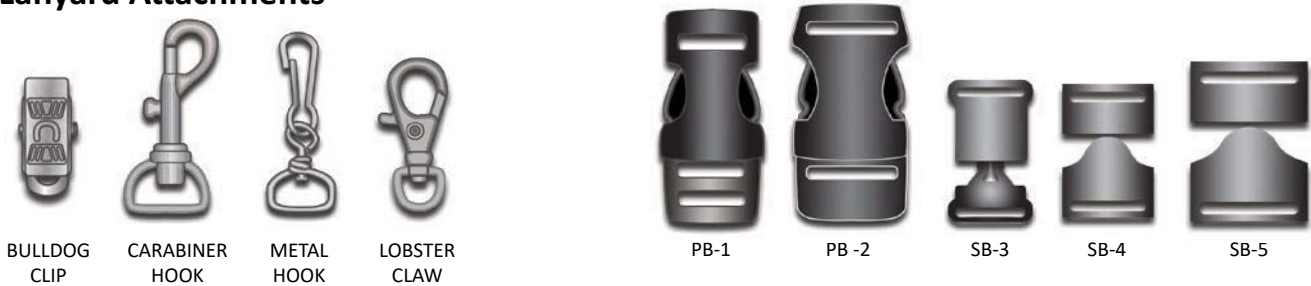
# Attachments



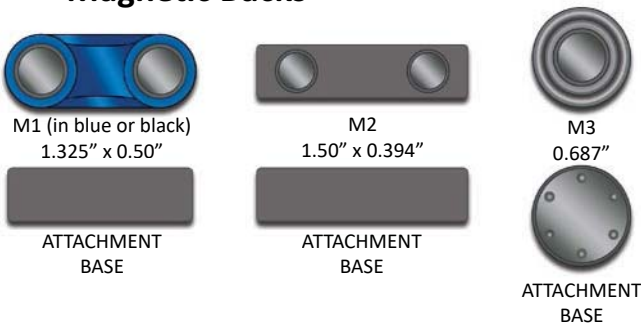
Call for quote on Miscellaneous Attachments.



## Lanyard Attachments



## Magnetic Backs



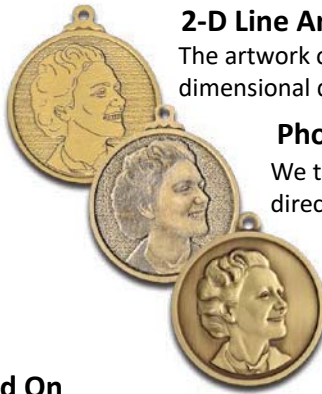


# Different Styles of Medals



Sample Photo

**NO DIE CHARGES!**



## 2-D Line Art

The artwork on the medal or coin is a two dimensional drawing.

## Photo Image

We take a photograph and cast that image directly into the piece. \*SPIN CAST ONLY

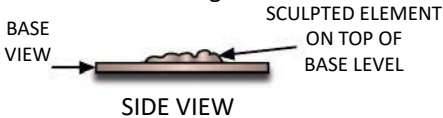
## 3-D

A three dimensional mold sculpted to the exact likeness of your photo.

## 3-D Add On



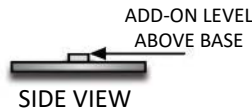
Add a 3-D figure from a sample furnished by you, or use one of our many stock items to make a new design.



## Multi Level Add On



1/32" add ons are attached to the item, allowing for smooth flat levels that are higher than the raised border.



## Cut Out



Medals and coins can have an area that is cut out of the design for a see thru effect. Not available on all designs.

## Color Fill



Medals and coins can have color added to various areas to enhance the look of the item. Not available with all designs. Additional charges apply.

## Epoxy Color Fill

# Design Options

## Spin Cast Textures



## Lasered Multi Level

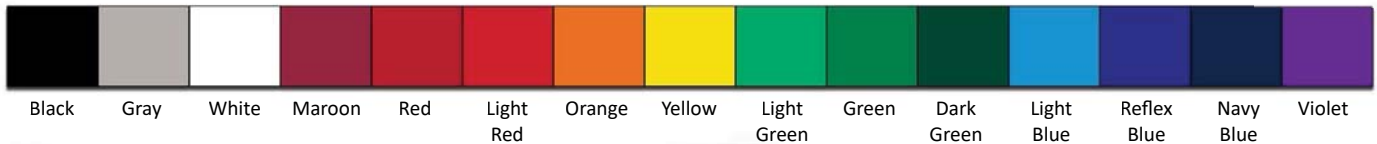


Multiple textured levels can be lasered into your design to add different depths.

Not available with all designs.



Custom PMS colors are also available.



**All spin cast items have Laser Engravable finishes.** Our spin cast finishes allow you to add both text and images to your medals. Any wattage laser can be used allowing you to save hours of time versus rotary or diamond drag engraving. For zinc medals, we use an oxidizing agent.





# BASIC GUIDELINES FOR SETTING UP ARTWORK

## RASTER IMAGES

Pixels are individual blocks of unique colors placed together to make up a raster image. Pixel-based images can come from a digital camera, scanner, or downloaded from the internet.

Individual components of these images cannot be separated or altered, and resolution diminishes when enlarged. While an image may look fine when it is small, it will look blurry and distorted when the size is increased.

If an image is enlarged and it gets blurry or you can see the individual blocks of color, it is a raster image.

Raster images commonly have the file extensions: .bmp, .jpg, .png, or .tiff.

## VECTOR IMAGES

Nodes are the points in computer drawn lines that make up a vector image. Lines can be curved or straight, and make any shape that is desired. Node-based images are usually created in a graphics program such as Adobe Illustrator, Corel Draw, and Macromedia Freehand.

Individual components of these drawn images can be separated, colors can be changed, and the size can be increased with no loss of resolution.

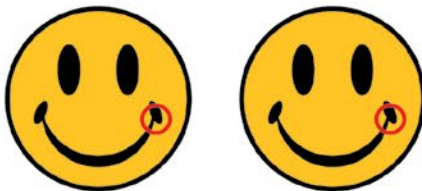
A vector image can only be truly manipulated in a vector graphics program. If you are given a file with a graphics program extension, it must be checked to make sure it is true vector art. For example, a bitmap can be saved as a graphics file, but when it is opened it is not vector art, it's still a bitmap inside the file.

Common examples of vector images have the file extensions .eps, .ai, .cdr, & .pdf.

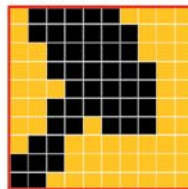


## PIXELS vs NODES

RASTER IMAGE    VECTOR IMAGE



Both images look identical at this size. Note the circled area on the smiley face.



The circled area on the raster image has increased by 1000%, which results in poor resolution.



The circled area on the vector image has increased by 1000%, and caused no change in resolution.



The color can also be changed.

Artwork is generally set up in a 2:1 size ratio. Small items like lapel pins are setup in a 3:1 ratio.

## SPIN CAST ITEMS:

The best way to produce artwork for a spin cast product is by using raised SOLID shapes, and sinking detail lines into those shapes. When setting up spin cast art, any raised lines should be at least 0.035" thick, unless it is a color filled area, which must be a minimum of 0.06". Sunken detail lines should generally be at least 0.01" thick.



ORIGINAL IMAGE  
(Raised lines are too thin.)



REDRAWN FOR SPIN CAST  
(Solid with sunken details.)

Black = raised shape areas  
White = sunken detail lines

## DIE CAST OR DIE STRUCK ITEMS:

The die struck or die cast production process allows us to produce much thinner raised lines than we are able to with spin cast items. This allows us to produce more details and use more color. Raised lines surrounding areas for color filling are generally as small as 0.02", and sunken detail lines are about the same as spin cast, at 0.01".



REDRAWN FOR DIE CAST/STRUCK  
(Raised lines with multiple color fills.)