

www.owosso.com  
151 N. DELANEY RD. OWOSSO, MI 48867

# Thermal Kiss-Cutting Die Prices

## The Total Package

- Quality
- Speed
- Competitive
- Friendly Service
- Community

- Brass Dies*
- Custom Applications*
- Debossing Dies*
- Fabric Embossing Dies*
- Foil Stamping Dies*
- Half-tone & Line Etchings*
- Intaglio Printing Dies*
- Membrane Embossing Dies*
- Pantograph Masters*
- Paper Embossing Dies*
- Plaques*
- Rubber Stamp Masters*
- Thermal Kiss-Cut Dies*
- Make-Ready Supplies*
- Flexo Plates*
- Metalphoto*

## Contents

Prices.....Page 2  
Special Charges.....Page 3

*America's Largest Manufacturer of Quality Brass, Copper & Magnesium Dies*

U.S. & Canada **800-444-5552**

International **989-725-7112**

Business Fax **989-723-5399**

### ORDERING INFORMATION

On-line ordering available at [www.owosso.com](http://www.owosso.com).

Prices eff. January 1, 2016

## Standard Size Dies

Same Day Turn-around	Sizes	Plates	Image
	Maximum	30"x40"	29"x39"
<b>Imaging Sq. In. Pricing or Fine Line Neg. @ .005"/.363 11 pt. 1/4"</b>			
	1-100(minimum)	\$93.00	\$116.00
	101-300	.93	\$1.14
	301-600	.80	\$1.05
	601-900	.79	.96
	901-1200	.77	.93
	Over 1200	.71	.83



A great solution for a sticky problem

## Pricing

Minimum up to 128 Sq. In.	\$40.00 Minimum
130 sq. in. and up	.31 sq. in.

- Only one additional production day
- Improves die performance
- Better release properties
- Higher resistance to wear, corrosion and abrasion

Order on-line at [www.owosso.com](http://www.owosso.com)

## One-piece Oversize Dies

OWOSSO has the world's largest etching machine! We can etch magnesium plates up to 30 x 120 inches. Save setup time by having your dies produced as one die and forget about trying to line up pieces.

- Avoid die shifting during make-ready and press runs
- Avoid uneven plate expansion
- Your press operators will love 'em!

## Oversize Pricing—sq. in.

Sizes	Plates	Image
Maximum	30" x 120"	29" x 119"
<b>Imaging</b>	<b>11 pt.</b>	<b>.250"</b>
or Fine Line Neg. @.005"/.363 pts.		\$1.03 \$1.13

Please request Oversize, otherwise dies will be split.

Two-day production schedule.

Please indicate on your Order Form your preferred shipping – some restrictions apply to both UPS and FedEx.

## Custom Services:

Bevel, per side .1-300"-\$6.00/301-900"-\$7.00 /over 901"-\$8.00  
 Hourly Charges..... \$75.00/hour; 15 minute min.  
 Rush Charge (Depends on production schedule) ..... \$100.00 & up  
 Expansion Factor ..... \$25.00  
 Sawing..... \$1.25 per die  
 Milled Die Section ..... \$15.00 per cut  
 Special Etch ..... \$50.00  
 Accu-Lock alignment pins for sectional dies ..... \$20.00 per set  
 Holes Only.....\$15.00 per set

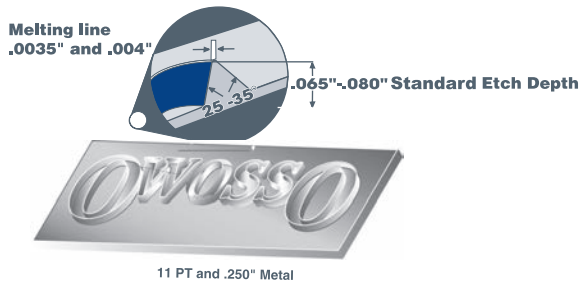
## Cost Estimating:

Measure the length and the width from the most extreme points of the image area. For fractions, round up to the next 1/4". Add 1" to both length and width. Multiply length times width to calculate total square inches. For fractions, round up to the next 1/4". Call us at 1-800-444-5552 or e-mail us at [engraver@owosso.com](mailto:engraver@owosso.com) for free estimates.

## Tech Tips:

*Free Technical Assistance:* Ask for our Tech Support Manager, Joe Holden.

## The Ideal Thermal Die



**Tell Us What You're Cutting:** We can help you get the best results if we know what you're cutting. We can etch the dies deeper, or with steeper shoulders if necessary. Some examples of materials needing special attention are: pre-printed, UV coated, static cling, and reflective vinyl.

**Close Registration:** If your job requires close registration, run a sample under actual conditions so that printing can be matched to the impression of the die registration. You can use carbon paper between the die and the counterboard underlay to create an impression of the expanded die.

**Die Expansion:** Magnesium expands approximately .25% at 290°F and .5% at 350° F. Higher temperatures will cause greater expansion. Use the handy expansion calculator on our website to calculate the expansion for your particular press run.

### Visit our Website

In addition to the tips above, you can find more on our website. Look for it at [www.owosso.com](http://www.owosso.com)

## Magnesium Thermal Die Expansion Formula

**Use this formula to find the exact adjustment percentage for creating your die line.**

**Example of a 30 x 40 image**

<b>Part I</b>	
Press temperature	280°F
- Room Temperature	Minus 70°F
= Net Temperature	210°F
x .0000161	Times .0000161
= Temperature Factor	= .003381
x Longest length of Image	Times 40
= Length factor	.13524
<b>Part II</b>	
Longest length of image	40
- Length factor	Minus .13524
= Expansion Factor	=39.86476
÷ Longest Length of image	Divided by 40
= Percentage size adjustment	= .996619

## Ask Us!

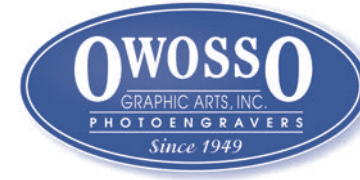
Our OWOSSO team members are available to answer any customer service or tech support questions.

### Give us a call at:

1-800-444-5552 or e-mail at [engraver@owosso.com](mailto:engraver@owosso.com).

### We're here to help

OWOSSO is a Proud Member of the Following Organizations



### The Total Package

Quality  
Speed  
Competitive  
Friendly Service  
Community

Since 1949, Owosso Graphic Arts, Inc. continues to set the industry standard for both craftsmanship and service. OWOSSO was one of the original innovators of thermal kiss-cutting dies and we're still on the cutting edge. Our photoengraved kiss-cutting dies produce precision cutting lines for details too intricate for steel-rule dies.

As America's largest brass, copper and magnesium photoengraver, our overriding goal is complete customer satisfaction no matter the size or scope of your job. To do this, we deliver new technologies, along with good old-fashioned small town values such as honesty, integrity, and hard work. We promise, our dies and our company will leave a lasting impression.

We look forward to helping you with all of your die needs.