

www.owossographic.com
151 N. DELANEY RD. • OWOSSO, MI 48867

Membrane Switch Overlay Embossing Die Prices

The Total Package

Quality	Brass Dies
Speed	Custom Applications
Competitive	Debossing Dies
Friendly Service	Fabric Embossing Dies
Community	Foil Stamping Dies
	Half-tone & Line Etchings
	Intaglio Printing Dies
	Letterpress Printing Dies
	Membrane Embossing Dies
	Pantograph Masters
	Paper Embossing Dies
	Rubber Stamp Masters
	Thermal Kiss-Cut Dies



800-444-5552
U.S. & Canada

989-725-7112
International

989-723-5399
Business Fax

ORDERING INFORMATION

On-line ordering available at
www.owossographic.com

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

Custom Services:

Accu-Pin System (holes and/or pins)	\$25.00 per set of 2
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	\$100.00

Cost Estimating:

Add 1/2" to each dimension of **plate** size (this allows for 1/4" all around for sawing). For fractions, round up to the next 1/4". Multiply length times width to calculate total square inches. Call us as 1-800-444-5552 or e-mail us at engraver@owossographic.com for free estimates.

Placing An Order:

When you are ready to send us your job, you can refer to OWOSSO's brochure entitled "Placing Your Order." It has a very thorough review of what you need to do before sending your project to us. You can use our convenient electronic ordering process or mail your artwork to us.

Production Background:

Membrane Switch Overlay Embossing Dies are mainly used to emboss a pill (pad) or rim (perimeter) key-tactile designs into polyester or polycarbonate substrates. The process usually requires a male/female die set. Membrane Switch Overlay Embossing Dies must be made with precision-calculated spread and choke to accommodate the thickness of your particular substrate. The etch rate is carefully controlled to provide the depth needed to achieve your specified embossing height.

Prices eff. January 1, 2009

Membrane Switch Overlay Embossing Dies:

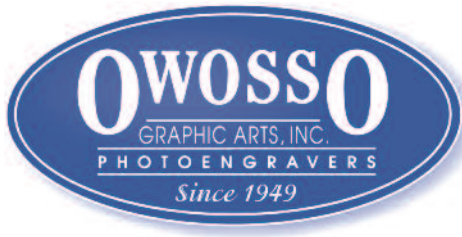
Next Day
Turn-around

Male
or
Female **11 pt.** Male
and
Female

Sq. In Pricing	Single	Combo
20 (minimum)	\$80.00	\$160.00
21-25	\$88.00	\$176.00
26-30	\$96.50	\$193.00
31-35	\$104.00	\$208.00
36-40	\$113.50	\$227.00
41-45	\$120.00	\$240.00
46-50	\$128.50	\$257.00
51-55	\$136.00	\$272.00
56-60	\$144.00	\$288.00
61-65	\$153.00	\$306.00
66-70	\$160.00	\$320.00
71-75	\$169.00	\$338.00
76-80	\$176.00	\$352.00
81-85	\$184.00	\$368.00
86-90	\$192.00	\$384.00
91-95	\$200.00	\$400.00
96-100	\$209.00	\$418.00
101-105	\$216.00	\$432.00
106-110	\$225.00	\$450.00
111-115	\$232.00	\$464.00
116-120	\$240.00	\$480.00
121-125	\$248.00	\$496.00
126-130	\$256.00	\$512.00
131-135	\$260.00	\$520.00
136-140	\$264.00	\$528.00
141-145	\$268.00	\$536.00
146-150	\$273.00	\$546.00
Add'l sq. in	\$2.80 ea	\$2.95 ea

Additional Pricing:

- 10% discount over 250 square inches
- .250" metal - Add 10% to above prices
- Combination dies may be ordered with mixed metal sizes
- Domed CNC dies - call for pricing



The Total Package

Quality
Speed
Competitive
Friendly Service
Community

Sixty years after our company began, Owosso Graphic Arts, Inc. continues to set the industry standard for both craftsmanship and service. OWOSSO has been a leader in the development of Membrane Switch Overlay embossing dies. It takes an understanding of the substrates, the process and just the "right touch" to produce quality dies.

As America's largest brass, copper and magnesium photo-engraver, 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.

Updated 11/08

Tech Tips:

Copy Preparation & Quality:

Please provide an electronic file, same size negative, or positive film. Dense, clean, and sharp-edged copy will yield the best results.

Always mark the reading side of your film.

Always include trim marks on your copy to identify the exact die size and sawing specs.

Temperature & Dwell:

To produce a quality embossing, it takes the right combination of temperature and dwell. A higher temperature of 180-190° F results in a better emboss, especially on polyester.

Since polyester and polycarbonate are poor conductors of heat, at lower temperatures it is necessary to adjust dwell time to give the substrate enough time to reach a temperature at which it will form the emboss. It is possible to cold emboss and some embossers have been more successful using a double pass impression rather than a single, longer dwell time.

Design:

Pads spaced too closely together will tend to cause the substrate to "tug" or crack when it is embossed, particularly if temperature and dwell are not adjusted properly and the emboss is too high.

Recommended Embossing Height:

Embossing height should not exceed 2.5 times the material thickness for functional touch pads.

Material Memory:

Polycarbonate has approximately .005-.006" **springback** in embossing. Polyester has approximately .008-.010" **springback**.

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@owossographic.com.

We're here to help

OWOSSO is a Proud Member of the Following Organizations



Visit our Website

At www.owossographic.com for more in-depth information.