

DeArmond  
Tool



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## “OSCAR JEWELER’S CNC SYSTEM”

### The Oscar System Evolution...

Oscar was developed by Dan DeArmond, owner of DeArmond Enterprises. Dan has over 30 years experience in fine jewelry manufacturing.

Some seven years ago when computers caught up with art, Dan started crossing over machines and techniques that were once used only in heavy industry into jewelry manufacturing. Realizing what this technology could do for not just the corporate end of the trade, but for the smaller shops as well, he was and remains relentless in his quest for good, well priced system components.

Having years of jewelry design, casting and modeling experience, he knows what will work and what won't. From owning multiple retail outlets and being a wholesale supplier during these same years, he knows all too well that the system must also be affordable versatile, and, easy to use.

Today, you can draw from these years of experience and own a system that WORKS! Oscar is a system truly developed By A Jeweler, For A Jeweler.

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**Current Base System Price.... \$5,795.00**

Shipping not included    *Price Subject To Change Without Notice*

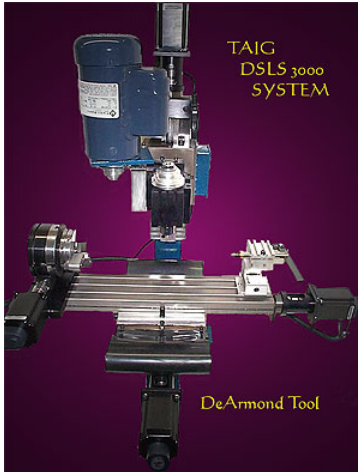
### About The System...

The Oscar system is not only versatile, but practical as well. Starting with the base system, you can add accessories at the time of purchase or as you need them. We have kept the base system to a minimum in order to prevent buyers from paying for items their use doesn't require or perhaps that they may already own. As an example, a user doing just inlay has no use for a ring fixture, but may well need a vacuum table.

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## The Base System... 4 Major Components All Included!

TAIG DSLS 3000 MILL & 4<sup>TH</sup> AXIS:



With a work area of 18" X 4" and axis movements of 12" X, 5" Y, & 6" Z, the Taig DSLS 3000 is perfect for milling one of a kind jewelry pieces or multiples for casting. With the upgraded spindle motor, metals like aluminum, brass, Gold, silver, and steel can be cut. With a full 10,000 RPM spindle speed, using the sometimes required small tools for model detailing in these hard materials as well as waxes and plastics becomes routine.

Mill Specs:

Rapid Travel... 60 IPM

Spindle Speed... 0 to 10,000 RPM

Voltage.... 120 volt

Spindle motor... 1/4 H.P.

Programmable Spindle and Linear Travel Speeds

Fully Interpolated Arc and Contouring

Windows Controller Software Included

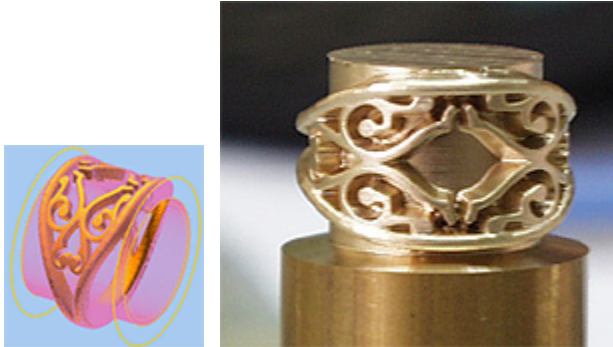
Fourth Axis Rotary:



Equipped with a versatile 3 jaw chuck (not shown) this highly accurate rotary 4<sup>th</sup> axis allows full 360 degree ring cutting right from metal or wax ring tubes.

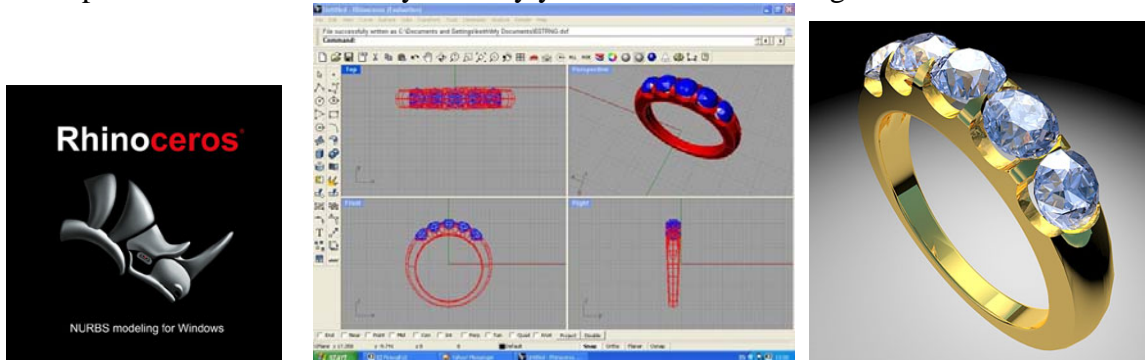
EASY TO USE DeskProto V5.0 FULL...

This is now the finest CAM software on the market today. Lex has taken the time required to make this program strong and easy to use. Flip Milling and 4 Axis milling are no harder to do than common 3 axis milling in this great program!



**RHINO 3D Modeling Software:**

Designing your models has never been easier! Rhino offers a superb, robust design atmosphere that is used in every industry you can think of. Design fast and smart in this



Injection molds are designed in just minutes using the fast Boolean difference feature in Rhino!

**The Process Is Easy! ...**

Since this isn't a course in CNC jewelry making, we'll keep this short. However, after seeing the major components, we thought it might be good to outline a little of the process at this point.

**1. You Have A Design Idea!**

Anything from jewelry to engraving or even fixtures for holding that free form piece of material can be easily produced using these same steps. Think Of It... Make It!

**2. Create A Model Of The Design In Rhino!**

Many models require only a 2D drawing to complete. Many others require the strength and full versatility of Rhino. Whatever the requirements, Rhino is up to the task!

**3. Open The Created Model In Desk Proto and Generate NC Code.**

Within the friendly environment of DeskProto, you keep full control of tooling, machine speeds and other important decisions. You will move quickly through DeskProto !

**4. Machine The Model Using The TAIG DSLS 3000 Mill.**

Set the machine up with material and a cutting tool, load the code program you produced and you are ready to turn your design into reality.

Now, is it REALLY this easy ??? No. It never is. Remember learning other tasks like wax carving, annealing, buffing, soldering, or stone setting??? CNC is no different. There is a learning curve.

Even with these four steps, just like buffing silver or Gold to a high polish, there are little steps in-between that you will need to master.

How long will it take?? We see users with NO machining knowledge, but with basic computer skills comfortably making jewelry in a week. If you have no basic computer skills your learning curve will be longer and more difficult. Perhaps four to six weeks.

Basic computer skills include:

- Saving a file

- Making a new folder on your hard drive
- Locating a file on your hard drive using search
- Sending an e-mail
- Opening a file
- Saving an e-mail attachment
- Installing a program on your computer

If you have these skills, you will easily learn CNC jewelry making. If you don't have these skills, get them. You will need them on a daily basis in any computer oriented task.

## **System Support....**

We are here to help. DeArmond Tool has been built on customer service and support. We never mind those "How Do I" questions. We know fully well they will come. DeArmond Tool's support is free. Support from DeskProto Software and Rhino support is free as well. If you have machine questions, call or e-mail us. If you have DeskProto or Rhino questions, we will be happy to answer those questions too. We use this system and know each of the products.

## **System Requirements....**

We highly suggest that you use two different computers. Don't panic! It isn't going to be that bad... read on.... The first for designing and creating the machine code. The second for running the mill. WHY?? Because the mill requires 100% of the computer processors attention. While cutting out a model, you cannot be designing another or using the computer for any other purpose. Therefore we suggest the following...

### **For The Milling Machine...**

Minimum Requirements:

- An older Pentium two or three. (told you it wouldn't be that bad)
- Intel mother board is best
- 150 meg hard drive
- 64 megs ram memory
- Windows XP Or Vista
- Any video card
- One parallel port
- Floppy drive
- An old color monitor of any sort

## **For The Cad /CAM ....**

Minimum Requirements:

- Pentium 3 or 4
- Windows 2000 Pro or Windows XP Pro
- Intel mother board
- 512 megs of ram memory
- 50 gig hard drive
- 64 megs video card memory
- 1024 x 768 resolution capability
- Internet connection
- CD Rom Drive
- Floppy Drive

## **Nice To Have....**

- USB on both computers
- 1 Gig of ram memory if you plan to handle solids files
- CD burner on the CAD /CAM computer
- USB thumb drive ... 125 meg is large enough

Remember, you will be transferring code programs between these computers. The code programs can vary greatly in size, depending on what you are making. Normally a simple 1.3 meg floppy disc will handle the transfer of files. Many users set up a simple P2P network between the computers. Either method gets the same result.

## **Another Method...**

If you just don't want to use two computers, then you can partition a hard drive on a computer running Windows XP. We list a computer in the accessories with this configuration. It is best not to try this yourself if you don't have the proper computer experience. This is NOT basic computing.

## **System Accessories...**

<b>Accessory</b>	<b>Description</b>	<b>Price</b>
Cutting Tools	Choose from the hundreds of sizes available on our web site. Don't see it??? Just ask! We have it.	Call
Vacuum Pump	Air and electrical models are available. We can match the pump exactly to your requirements.	Call

<b>Accessory</b>	<b>Description</b>	<b>Price</b>
10" X 4" Aluminum Grid Plate	A great add on! Drilled and tapped on 1" centers, this plate will allow you to hold about any material you can imagine. 4 styles to choose from. \$89.95 to \$150	\$125.00
Tail Stock & Riser	Holds & centers the opposite end of material when using the 4 <sup>th</sup> axis rotary.	\$129.75
T Nuts	Package of 10 T nuts. 1/4 -20 thread.	\$24.00
NSK 27,000 RPM Spindle & Mount	The NSK whisper quiet spindle system allows 0 to 27,000 quiet, highly accurate RPM. Mount for any MAXNC Mill is included.	\$3,487.00
Pentium 4 Computer W/ Software Loaded	A Pentium 4, 2.8 ghz, 150 gig Hard Drive, 512 megs ram, 125 meg video card, CD Drive, 4 USB outlets, Windows XP Pro, Floppy Drive, Keyboard & Mouse! Partitioned Hard Drive On Request at no charge.	\$785.00

0 to ¼ Drill Chuck & Arbor	A Good commercial grade drill chuck and arbor for your mill. This is a must-have accessory for those needing to do drilling.	\$31.00
On-Site Training	Learn in your own environment and gain from many years of experience. We travel world wide.	\$ Call

*All Prices Are Subject To Change Without Notice.*

Many other accessories are available for your system. If you don't find what you need, please call.

## **System Delivery....**

We ship only pre-paid orders. Orders for complete systems usually will arrive in seven to ten days from payment receipt. Accessories are typically in stock as well and are ready for immediate shipment. Machines are shipped UPS or FED EX ground. Software is usually shipped USPS Priority with a delivery confirmation. Due to 9-11, some shipments out of the U.S. are taking up to 3 weeks for delivery. If you have any questions about your order, please do not hesitate to call.

To Order Your Oscar CNC Jewelers System, Call: (806) 381-8898 or E-mail [dearmond@amaonline.com](mailto:dearmond@amaonline.com) today.