

DeArmond Tool

P.O. Box 30684
Amarillo, TX 79120
(806) 381-8898

E-Mail dearmond@amaonline.com

The NEW Micro Mill DSLS 3000 Desktop Machining System utilizes the latest advanced Digital Sync Lock Servo (DSLS) control technology.

A full desktop machining system with capabilities to produce The most complex of designs in steels, aluminum, brass, plastics and waxes.



Machine Features:

- Position increment resolution 0.000125 in.
- Mechanical repeatability 0.0003 in.
- Powerful 1/4 HP continuous duty AC motor.
- Spindle Speed 1100 - 11000 RPM
- Heavy Duty and Precision ER-16 spindle assembly.
- Travel: X = 12", Y = 5.5", Z = 6"
- Rapid Traverse Speed (G00) up to 100 in/min.
-
- Continuous Contouring Feed rate up to 60 in/min.
- Precision Mechanics.
- Box way Z-axis assembly with ground steel plate and tapered brass gib.
- Adjustable tapered brass gib on X-axis.

- Ground steel sliding ways with adjustable brass gib.
- Hard anodized aluminum table.
- 1/2 inch 20 pitch Cr-Mo lead screws with adjustable split bronze nuts on all axes.

Complete System Includes:

- Micro Mill with New Powerful 1/4 HP spindle motor.
- Pulley set with drive belt.
- 3/16", 1/4" collets with collet closer
- DSLS Electronic Control Driver Unit
- Custom Windows XP Mach 3 software control interface.
- 4th Axis Amplifier and Port Included
- Input/Output Port Included
- 200 oz-in. stepping motors with integral high resolution encoders
- Printer cable, power cable

Control Features:

- Advanced Digital Sync Lock Servo DSLS control using the latest microcontroller chip technology.
- High resolution 1600 cpr encoders.
- High power electronic chopper drive amplifier.
- Standard computer parallel printer port input.
- 4th axis amplifier and port.
- Input/Output port.
- Spindle on/off (M3/M5) and Aux on/off (M8/M9).

Software Features:

- Custom Windows XP Mach 3 control interface.
- 2D or 3D Graphic Part Display Window.
- Complete G-code set of ALL G-codes.
- Complete M-code set.
- Import of standard DXF file formats.
- Import of standard HPGL file formats.
- Import of BMP and JPEG image files.

- Custom Wizards containing 20+ common machining operations (Bolt holes, pocketing, thread milling, etc.)
- 3D Digitizing Probe Input.
- User's manual
- 1 Year system warranty

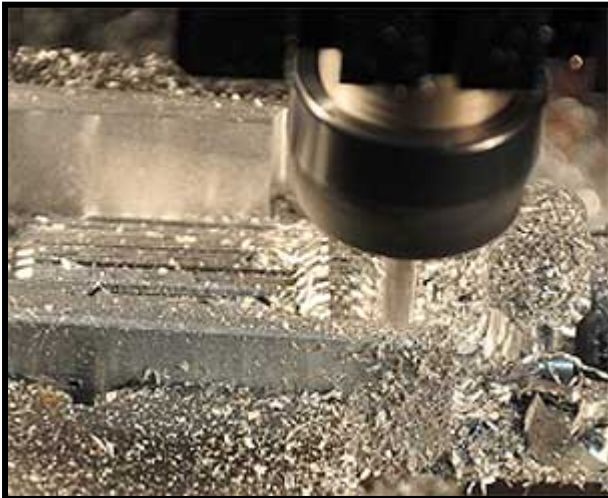
Computer System Requirements:

- Windows XP computer with Pentium 1 GHz or higher processor required.
- 20 MB Hard Drive.
- 128 MB Ram.
- Standard DB25 printer port output.

System Options:

- Full 4th axis rotary table system.
- 3D Digitizing Probe
- Rhino 4.0

What Do You Want To Make?



If you need to hog out metal, then just go at it! The Taig is strong and can get the job done.

Or, if you need that delicate touch.... Just change tools and you have that option as well. The prongs at the bottom for the 1 point diamonds to be set in this piece are .25mm in diameter. We can show you how!

Give Us A Call (806) 381-8898

