



# Immersion

*In developing MicroScribe 3D, it was Immersion's goal to provide graphic artists, animators, video game developers, industrial designers, engineers, and scientists with the highest performance, most cost-effective, and most versatile 3D digitizing system. The result is a highly refined product that looks and feels at home on the desktop while providing the performance of a precision industrial instrument. The award-winning MicroScribe 3D is constructed from the highest quality components using precise aluminum housings, lightweight graphite links, and state-of-the-art electronics to provide years of trouble-free digitizing. The mechanical arm is carefully counter-balanced to allow effortless, manipulation.*

## MicroScribe 3D Desktop Digitizing Systems

### The Fastest Way to Create 3D

MicroScribe provides a fast, reliable, and easy-to-use method for creating accurate 3D computer models. Just trace over the contours of a physical object and build complex 3D datasets in a matter of minutes. MicroScribe works with physical objects of any shape, size, and material. A variety of software packages provide the solutions you need to get up and running in no time.

### Software Support

To take advantage of MicroScribe, you can either use a dedicated digitizing software application or use one of many software drivers that link MicroScribe 3D to existing 3D graphics applications. Each of these options allows you to create complex 3D models using points, lines, polygons, splines, NURBS, or other standard geometric entities. Graphical datasets can be saved as dxf, IGES, obj, txt, 3ds, and other common file formats. You can even use MicroScribe 3D as a mouse to control camera views, set light source locations, and define animation trajectories in real-time.

### Compatible Software

#### Multimedia 3D Digitizing Software

Rhino 3D  
form • Z  
LightWave  
3D Studio MAX / VIZ  
Alias  
Maya

#### CAD/CAM/Inspection Software

Solidworks  
Delcam  
Maquette Volume  
AutoCAD RI4/2000  
Mechanical Desktop  
Mastercam  
CADKEY  
Rhino 3D  
solid Thinking  
Pro Engineer

#### Immersion Shareware

InScribe 3.0  
Software Developers Kit

### Specifications

#### Workspace:

MicroScribe-3D 50" sphere  
MicroScribe-3DX 50" sphere  
MicroScribe-3DL 66" sphere  
MicroScribe-3DLX 66" sphere

#### Accuracy (100 point ANSI sphere):

MicroScribe-3D 0.015" (0.38 mm)  
MicroScribe-3DX 0.009" (0.23 mm)  
MicroScribe-3DL 0.017" (0.43 mm)  
MicroScribe-3DLX 0.012" (0.30 mm)

Sampling Rate: 1,000 points/second

Footprint: 6" x 6"

Serial Interface: RS232

#### Requirements:

Available serial port on any PC, Mac, or SGI/UNIX

#### Available Drivers:

Allows MicroScribe to function within popular graphic modeling packages such as 3D Studio MAX, Alias, Maya, AutoCAD, form • Z, LightWave, SolidWorks, and many others!

#### Versatile Base:

Sits on desk, mounts on a tripod, or attaches to any surface.

#### Two Sizes:

MicroScribe-3D and MicroScribe-3DL

### About Immersion Corporation

Founded in 1993, Immersion Corporation develops hardware and software technologies that enable users to interact with computers using their sense of touch. Licensing opportunities are available for manufacturers and software developers that wish to integrate Immersion's hardware and software technology into electronic devices.

### For more information

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MicroScribe-3D

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