Supported File Formats

The OMAX IntelliMAX Premium Software Suite features the broadest file support in abrasive waterjet software. From standard 2D DXF files to advanced 3D shapes, IntelliMAX can import from all major CAD/CAM and artistic drawing programs, allowing you to use your existing workflow.

This list is not complete. Many other additional file formats are supported, but not listed here. In addition, OMAX offers custom programming services, should you have a special need. Contact OMAX if you have questions.

VECTOR GRAPHICS	
Adobe Illustrator (.ai)	LAYOUT
ART image file (.art)	LAYOUT
FastCAM (.cam)	LAYOUT
Cadkey file (.cdl)	LAYOUT
Corel Metafile Exchange (.cmx)	LAYOUT
G-Code file (.cnc)	LAYOUT
Autodesk Design Web Format (.dwf)	LAYOUT
DWG (.dwg)	LAYOUT
DXF (.dxf)	LAYOUT
DWG (.dwg)	LAYOUT
Encapsulated Post Script (.eps)	LAYOUT
Hewlett Packard Graphics (.hpg or .hpgl)	LAYOUT
Initial Graphics Exchange Specification (.iges or .igs)	LAYOUT / IntelliCAM
g-code (.n)	LAYOUT
MicroStation Design File (.dgn)	LAYOUT
Numerical Control Machine Instructions (g-code)(.nc)	LAYOUT
Computer Numeric Control File (g-code)(.ncc)	LAYOUT
OMAX Extended Files (.omx)	LAYOUT / MAKE / 3D Path editor / IntelliCAM
OMAX Routed Data (.ord)	LAYOUT / MAKE / 3D Path editor
Portable Document Formt (.pdf)	LAYOUT
Autodesk (.plt)	LAYOUT
G-Code file (.ppg)	LAYOUT
Visual Profiler CAM (.prf)	LAYOUT
Postscript File (.ps)	LAYOUT
.pte	LAYOUT
AutoCAD Shape File (.shx)	LAYOUT
Scalable Vector Graphics (.svg)	LAYOUT
Text File (.txt)	as g-code	LAYOUT

3D FILES

3D Studio 3D Scene (.3ds)	3D Path Editor
3D ACIS Modeler (.asab)	IntelliCAM
3D ACIS Modeler (.asat)	IntelliCAM
A Creo Elements/Pro file (.asm)	IntelliCAM
CATIA V5 (.CATPart)	IntelliCAM
CATIA V5 (.CATProduct)	IntelliCAM
CATIA V4 (.exp)	IntelliCAM
DXF (.dxf)	IntelliCAM
DWG (.dwg)	IntelliCAM
Autodesk Inventor file (.iam)	IntelliCAM
Initial Graphics Exchange Specification (.iges or .igs)	IntelliCAM
Autodesk Inventor file (.ipt)	IntelliCAM
Quake 2 Player Model (.mc2)	3D Path Editor
CATIA V4 (.model)	IntelliCAM
OMAX Project File (.OMAXProj)	IntelliCAM
Solid Edge 3D CAD (.par)	IntelliCAM
Polygon model format (.ply)	3D Path Editor
A Creo Elements/Pro file (.prt)	IntelliCAM
A NX Unigraphics file (.prt)	IntelliCAM
Solid Edge 3D CAD (.psm)	IntelliCAM
3D ACIS Modeler (.sab)	IntelliCAM
3D ACIS Modeler (.sat)	IntelliCAM
CATIA V4 (.session)	IntelliCAM
A SolidWorks assembly file (.sldasm)	IntelliCAM
A SolidWorks part file (.sldprt)	IntelliCAM
Half Life Model (.smd)	3D Path Editor
Solid Modeling / Prototype file (.stl)	3D Path Editor
A STEP file (.stp)	IntelliCAM
A STEP file (.step)	IntelliCAM
Triangular Irregular Network (.tin)	3D Path Editor
A VDA-FS file (.vda)	IntelliCAM
Parasolid File (.x_b)	IntelliCAM
Parasolid File (.x_t)	IntelliCAM
Parasolid File (.xmt_bin)	IntelliCAM
Parasolid CAD File (.xmt_txt)	IntelliCAM

RASTER GRAPHICS

(.all)	LAYOUT's IntelliTrace
Windows Bitmap (.bmp)	IntelliTrace / Render as Solid / Camera and IntelliETCH
Camera Raw (.crw)	LAYOUT's IntelliTrace / IntelliETCH
Windows Cursor (.cur)	LAYOUT's IntelliTrace / IntelliETCH
PC Paintbrush file (.dcx)	LAYOUT's IntelliTrace / IntelliETCH
DICOM (.dcm)	LAYOUT's IntelliTrace / IntelliETCH
Enhanced Windows MetaFile (.emf)	LAYOUT's IntelliTrace / IntelliETCH
Graphics Interchange Format (.gif)	LAYOUT's IntelliTrace / IntelliETCH
Windows Icon file (.ico)	LAYOUT's IntelliTrace / IntelliETCH
JPEG 2000 (.jp2, .j2k)	LAYOUT's IntelliTrace / IntelliETCH
Joint Photographic Experts Group (.jpg or .jpeg)	LAYOUT's IntelliTrace / IntelliETCH
Personal Computer Exchange (.pcx)	LAYOUT's IntelliTrace / IntelliETCH
Portable Document Format (.pdf)	LAYOUT's IntelliTrace
Portable Network Graphics (.png)	LAYOUT's IntelliTrace / IntelliETCH
Photoshop Document (.psd)	LAYOUT's IntelliTrace / IntelliETCH
Pixel Magician image file (.pxm)	LAYOUT's IntelliTrace / IntelliETCH
Tagged Image File Format (.tiff)	LAYOUT's IntelliTrace / IntelliETCH
Truevision Graphics Adapter (.tga)	LAYOUT's IntelliTrace / IntelliETCH
Wireless BitmapFile Format (.wbmp)	LAYOUT's IntelliTrace / IntelliETCH
Windows MetaFile (.wmf)	LAYOUT's IntelliTrace / IntelliETCH

OTHER

Audio Video Interleave File (.avi)	LAYOUT's IntelliTrace / OMAX Camera / IntelliETCH
Batch File (.bat)	Custom Reports in MAKE
.bts	OMAX compiled BitStream tool path
.html	Custom Reports in MAKE
Moving Picture Experts Group (.mpg)	LAYOUT's IntelliTrace / IntelliETCH
OMAX Script (.OMAXScript)	OMAX Scripting Engine
OMAX compatible CNC	IntelliCAM
(omaxnc, omaxcnc)	MAKE
Rich Text Format (.rtf)	Custom Reports in MAKE
AsciiText file (.txt)	Custom Reports in MAKE
Extensible Markup Language (.xml)	Custom Reports in MAKE
Compressed archive (.zip)	Creates Report for Technical Support

Notes

It is also possible to extend the file importing capabilities of the OMAX software via the built in OMAX Scripting Language. Templates are provided to get the programmer started. As one example of many possibilities, there is a g-code "reverse post" importing template that can be used to bring in files from other machines into the OMAX Layout CAD/CAM system, or directly into the OMAX Make controller software.

The OMAX Custom Reporting feature can create custom reports from virtually any text based file, and is not limited by the short list of common examples above.