

# OPEN MIND Technologies AG

## Hardware and Software Requirements (As of: 26. 08. 2011)

	hyperCAD® Geometric Engine	hyperMILL® in hyperCAD®	hyperMILL® in Autodesk Inventor®(2)	hyperMILL® for SolidWorks
<b>PC configuration</b>				
DVD drive	x	x	x	x
Processor (at least)	Intel 805	Intel 805	Intel 805	Intel 805
Processor (recommended) <sup>5) 6)</sup>	Intel Core2 Quad	Intel Core2 Quad	Intel Core2 Quad	Intel Core2 Quad
RAM memory (at least)	2	2	2	2
<b>Free hard disk memory (MB) <sup>1)</sup></b>				
CAD/CAM product	760	3500	3500	3500
OpenGL-compliant graphics card, Recommendation: Nvidia with 256 MB, such as Quadro FX. Suitable graphics card for CAD/CAM workstation. For hyperMILL® in Inventor and hyperMILL® for SolidWorks the recommendations of each CAD producer are valid. For hyperMILL® in hyperCAD® : Error-free operation cannot be guaranteed when using ATI graphics cards.	x	x	x	x
<b>Possible operating systems <sup>3)</sup></b>				
Windows XP	x	x	x	x
Windows Vista <sup>4)</sup>	x	x	x	x
Windows 7 <sup>4)</sup>	x	x	x	x

1) Recommended memory for running the relevant product; higher memory is required with the increasing complexity of the models processed.

2) Part of Autodesk Inventor Series.

3) Valid for hyperMILL® in Autodesk Inventor® and hyperMILL® for SolidWorks: in each case, the operating system supported by the CAD system is supported (Exception: Windows 98/Windows NT is not supported).

4) To ensure an error-free data exchange within hyperMILL® / hyperCAD®, the **User Account Control** has to be deactivated. To this purpose, proceed as follows:

- **Windows Vista**: click **Start > Control panel** and enter the string **User Account Control** in the search field. Deactivate the option in the dialog displayed. Then close the dialog.

- **Windows 7**: click **Start > User Icon > User Account Control Setting**. Move the slider on the left part of the dialog completely downwards and click **OK**. Now the system has to be restarted.

Please note also the terms of the different CAD manufacturers.

5) We have tested the software with Intel Xeon processors. There was not a noticeable performance advantage compared to other processors of the same class.

6) Basically, the usage of more cores leads to performance improvement, but in single cases it may also lead to memory problems and to performance loss caused by technical limiting conditions.

## Graphics Cards

We have tested the following graphics cards for use with:

[Surface modeling, solid modeling and drafting](#)

### Graphics cards for surface modeling, solid modeling and drafting

The high-end and professional cards range are recommended for professional use or complex models and drawings. In general, it is a good idea to install the recommended display driver for your graphics adapter. Please check your video card manufacturer web site for more information about display drivers, BIOS update and so on. Click [here](#) for links to many of the most popular video card manufacturer web sites.

Entry Level	Windows Vista 32/64	Windows XP *	Windows XP 64 *	Windows 7 32/64
3Dlabs	Not available	Wildcat VP 760 - 3.01-0842 Wildcat VP 870 - 3.01-0842 Wildcat VP 880 - 3.01-0842 Wildcat VP 970 - 3.01-0842 Wildcat VP 990 - 3.01-0842  Wildcat 4110 - 05.05.05.16 Wildcat 4210 - 05.05.05.16  Wildcat4 7110 - 05.06.02.57 Wildcat4 7210 - 05.06.02.57	Not available	Not available
AMD - ATI Tech.	--	Radeon™ X1300 - 10.2 Radeon™ X1600 - 10.2 Radeon™ X1650 - 10.2 Radeon™ X1800 - 10.2 Radeon™ X1900 - 10.2 Radeon™ X1950 - 10.2	Radeon™ X1300 - 10.2 Radeon™ X1600 - 10.2 Radeon™ X1650 - 10.2 Radeon™ X1800 - 10.2 Radeon™ X1900 - 10.2 Radeon™ X1950 - 10.2	--
NVIDIA	GeForce™ 6 6500 - 258.96 GeForce™ 6 6600 - 258.96 GeForce™ 6 6800 - 258.96	GeForce FX™ 5200 - 175.19 GeForce FX™ 5900 - 175.19  GeForce™ 6 6500 - 258.96 GeForce™ 6 6600 - 258.96 GeForce™ 6 6800 - 258.96  Quadro FX™ 500 - 169.96 Quadro FX™ 700 - 169.96 Quadro FX™ 1000 - 169.96 Quadro FX™ 1100 - 169.96 Quadro FX™ 2000 - 169.96 Quadro FX™ 3000 - 169.96 Quadro FX™ 4000 - 169.96  Quadro FX™ 350 - 169.96 Quadro FX™ 550 - 169.96 Quadro FX™ 560 - 169.96 Quadro FX™ 1300 - 169.96	GeForce FX™ 5200 - 175.19 GeForce FX™ 5900 - 175.19  GeForce™ 6 6500 - 258.96 GeForce™ 6 6600 - 258.96 GeForce™ 6 6800 - 258.96  Quadro FX™ 500 - 169.96 Quadro FX™ 700 - 169.96 Quadro FX™ 1000 - 169.96 Quadro FX™ 1100 - 169.96 Quadro FX™ 2000 - 169.96 Quadro FX™ 3000 - 169.96 Quadro FX™ 4000 - 169.96  Quadro FX™ 350 - 169.96 Quadro FX™ 550 - 169.96 Quadro FX™ 560 - 169.96 Quadro FX™ 1300 - 169.96	GeForce™ 6 6500 - 258.96 GeForce™ 6 6600 - 258.96 GeForce™ 6 6800 - 258.96
Mid Range	Windows Vista 32/64	Windows XP *	Windows XP 64 *	Windows 7 32/64
3Dlabs	Not available	Wildcat Realizm100 - 04.05-0854 Wildcat Realizm200 - 04.05-0854 Wildcat Realizm500 - 04.05-0854 Wildcat Realizm800 - 04.05-0854	Wildcat Realizm100 - 04.05-0854 Wildcat Realizm200 - 04.05-0854 Wildcat Realizm500 - 04.05-0854 Wildcat Realizm800 - 04.05-0854	Not available
AMD - ATI Tech.	Radeon™ HD 2000 series - 10.2 Radeon™ HD 3000 series - 10.2  FireGL™ V3100 - 8.723 FireGL™ V3200 - 8.723 FireGL™ V3300 - 8.723 FireGL™ V3350 - 8.723 FireGL™ V3400 - 8.723 FireGL™ V5000 - 8.723 FireGL™ V5100 - 8.723 FireGL™ V5200 - 8.723  FireGL™ V3600 - 8.723 FirePro™ V3700 - 8.723 FirePro™ V3750 - 8.723	Radeon™ HD 2000 series - 10.2 Radeon™ HD 3000 series - 10.2  FireGL™ V3100 - 8.723 FireGL™ V3200 - 8.723 FireGL™ V3300 - 8.723 FireGL™ V3350 - 8.723 FireGL™ V3400 - 8.723 FireGL™ V5000 - 8.723 FireGL™ V5100 - 8.723 FireGL™ V5200 - 8.723  FireGL™ V3600 - 8.723 FirePro™ V3700 - 8.723 FirePro™ V3750 - 8.723	Radeon™ HD 2000 series - 10.2 Radeon™ HD 3000 series - 10.2  FireGL™ V3100 - 8.723 FireGL™ V3200 - 8.723 FireGL™ V3300 - 8.723 FireGL™ V3350 - 8.723 FireGL™ V3400 - 8.723 FireGL™ V5000 - 8.723 FireGL™ V5100 - 8.723 FireGL™ V5200 - 8.723  FireGL™ V3600 - 8.723 FirePro™ V3700 - 8.723 FirePro™ V3750 - 8.723	Radeon™ HD 2000 series - 10.2 Radeon™ HD 3000 series - 10.2  FireGL™ V3600 - 8.723  FirePro™ V3700 - 8.723 FirePro™ V3750 - 8.723
NVIDIA	GeForce™ 7 7200 series - 258.96 GeForce™ 7 7300 series - 258.96 GeForce™ 7 7400 series - 258.96 GeForce™ 7 7600 series - 258.96 GeForce™ 7 7800 series - 258.96 GeForce™ 7 7900 series - 258.96 GeForce™ 7 7950 series - 258.96  GeForce™ 8 8300 series - 258.96 GeForce™ 8 8400 series - 258.96 GeForce™ 8 8500 series - 258.96 GeForce™ 8 8600 series - 258.96 GeForce™ 8 8800 series - 258.96  GeForce™ 9 9600 series - 258.96 GeForce™ 9 9800 series - 258.96 GeForce™ 100 series - 258.96  Quadro FX™ 3400 - 259.57 Quadro FX™ 3450 - 259.57 Quadro FX™ 3500 - 259.57  Quadro FX™ 370 - 259.57 Quadro FX™ 570 - 259.57  Quadro FX™ 380 - 259.57	GeForce™ 7 7200 series - 258.96 GeForce™ 7 7300 series - 258.96 GeForce™ 7 7400 series - 258.96 GeForce™ 7 7600 series - 258.96 GeForce™ 7 7800 series - 258.96 GeForce™ 7 7900 series - 258.96 GeForce™ 7 7950 series - 258.96  GeForce™ 8 8300 series - 258.96 GeForce™ 8 8400 series - 258.96 GeForce™ 8 8500 series - 258.96 GeForce™ 8 8600 series - 258.96 GeForce™ 8 8800 series - 258.96  GeForce™ 9 9600 series - 258.96 GeForce™ 9 9800 series - 258.96 GeForce™ 100 series - 258.96  Quadro FX™ 1400 - 259.57 Quadro FX™ 1500 - 259.57  Quadro FX™ 3400 - 259.57 Quadro FX™ 3450 - 259.57 Quadro FX™ 3500 - 259.57  Quadro FX™ 370 - 259.57 Quadro FX™ 570 - 259.57  Quadro FX™ 380 - 259.57	GeForce™ 7 7200 series - 258.96 GeForce™ 7 7300 series - 258.96 GeForce™ 7 7400 series - 258.96 GeForce™ 7 7600 series - 258.96 GeForce™ 7 7800 series - 258.96 GeForce™ 7 7900 series - 258.96 GeForce™ 7 7950 series - 258.96  GeForce™ 8 8300 series - 258.96 GeForce™ 8 8400 series - 258.96 GeForce™ 8 8500 series - 258.96 GeForce™ 8 8600 series - 258.96 GeForce™ 8 8800 series - 258.96  GeForce™ 9 9600 series - 258.96 GeForce™ 9 9800 series - 258.96 GeForce™ 100 series - 258.96  Quadro FX™ 1400 - 259.57 Quadro FX™ 1500 - 259.57  Quadro FX™ 3400 - 259.57 Quadro FX™ 3450 - 259.57 Quadro FX™ 3500 - 259.57  Quadro FX™ 370 - 259.57 Quadro FX™ 570 - 259.57  Quadro FX™ 380 - 259.57	GeForce™ 7 7200 series - 258.96 GeForce™ 7 7300 series - 258.96 GeForce™ 7 7400 series - 258.96 GeForce™ 7 7600 series - 258.96 GeForce™ 7 7800 series - 258.96 GeForce™ 7 7900 series - 258.96 GeForce™ 7 7950 series - 258.96  GeForce™ 8 8300 series - 258.96 GeForce™ 8 8400 series - 258.96 GeForce™ 8 8500 series - 258.96 GeForce™ 8 8600 series - 258.96 GeForce™ 8 8800 series - 258.96  GeForce™ 9 9600 series - 258.96 GeForce™ 9 9800 series - 258.96 GeForce™ 100 series - 258.96  Quadro FX™ 3400 - 259.57 Quadro FX™ 3450 - 259.57 Quadro FX™ 3500 - 259.57  Quadro FX™ 370 - 259.57 Quadro FX™ 570 - 259.57  Quadro FX™ 380 - 259.57



AMD - ATI Tech.	Radeon™ HD 4000 series - 10.2 Radeon™ HD 5000 series - 10.2  FireGL™ V5600 - 8.723 FireGL™ V7100 - 8.723 FireGL™ V7200 - 8.723 FireGL™ V7300 - 8.723 FireGL™ V7350 - 8.723 FireGL™ V7600 - 8.723 FireGL™ V7700 - 8.723 FireGL™ V8600 - 8.723 FireGL™ V8650 - 8.723  FirePro™ V5700 - 8.723	Radeon™ HD 4000 series - 10.2 Radeon™ HD 5000 series - 10.2  FireGL™ V5600 - 8.723 FireGL™ V7100 - 8.723 FireGL™ V7200 - 8.723 FireGL™ V7300 - 8.723 FireGL™ V7350 - 8.723 FireGL™ V7600 - 8.723 FireGL™ V7700 - 8.723 FireGL™ V8600 - 8.723 FireGL™ V8650 - 8.723  FirePro™ V5700 - 8.723	Radeon™ HD 4000 series - 10.2 Radeon™ HD 5000 series - 10.2  FireGL™ V5600 - 8.723 FireGL™ V7100 - 8.723 FireGL™ V7200 - 8.723 FireGL™ V7300 - 8.723 FireGL™ V7350 - 8.723 FireGL™ V7600 - 8.723 FireGL™ V7700 - 8.723 FireGL™ V8600 - 8.723 FireGL™ V8650 - 8.723  FirePro™ V5700 - 8.723	Radeon™ HD 4000 series - 10.2 Radeon™ HD 5000 series - 10.2  FireGL™ V5600 - 8.723 FireGL™ V7100 - 8.723 FireGL™ V7600 - 8.723 FireGL™ V7700 - 8.723 FireGL™ V8600 - 8.723 FireGL™ V8650 - 8.723  FirePro™ V5700 - 8.723
NVIDIA	GeForce™ 200 series - 258.96 GeForce™ 400 series - 258.96  Quadro FX™ 4400 - 259.57 Quadro FX™ 4500 - 259.57 Quadro FX™ 5500 - 259.57  Quadro FX™ 4600 - 259.57 Quadro FX™ 5600 - 259.57  Quadro FX™ 1700 - 259.57 Quadro FX™ 580 - 259.57 Quadro FX™ 1800 - 259.57  Quadro Fermi 600 - 259.57 Quadro Fermi 2000 - 259.57	GeForce™ 200 series - 258.96 GeForce™ 400 series - 258.96  Quadro FX™ 4400 - 259.57 Quadro FX™ 4500 - 259.57 Quadro FX™ 5500 - 259.57  Quadro FX™ 4600 - 259.57 Quadro FX™ 5600 - 259.57  Quadro FX™ 1700 - 259.57 Quadro FX™ 580 - 259.57 Quadro FX™ 1800 - 259.57  Quadro Fermi 600 - 259.57 Quadro Fermi 2000 - 259.57	GeForce™ 200 series - 258.96 GeForce™ 400 series - 258.96  Quadro FX™ 4400 - 259.57 Quadro FX™ 4500 - 259.57 Quadro FX™ 5500 - 259.57  Quadro FX™ 4600 - 259.57 Quadro FX™ 5600 - 259.57  Quadro FX™ 1700 - 259.57 Quadro FX™ 580 - 259.57 Quadro FX™ 1800 - 259.57  Quadro Fermi 600 - 259.57 Quadro Fermi 2000 - 259.57	GeForce™ 200 series - 258.96 GeForce™ 400 series - 258.96  Quadro FX™ 4400 - 259.57 Quadro FX™ 4500 - 259.57 Quadro FX™ 5500 - 259.57  Quadro FX™ 4600 - 259.57 Quadro FX™ 5600 - 259.57  Quadro FX™ 1700 - 259.57 Quadro FX™ 580 - 259.57 Quadro FX™ 1800 - 259.57  Quadro Fermi 600 - 259.57 Quadro Fermi 2000 - 259.57
<b>High End</b>	<b>Windows Vista 32/64</b>	<b>Windows XP *</b>	<b>Windows XP 64 *</b>	<b>Windows 7 32/64</b>
AMD - ATI Tech.	FirePro™ V7750 - 8.723 FirePro™ V8700 - 8.723 FirePro™ V8750 - 8.723	FirePro™ V7750 - 8.723 FirePro™ V8700 - 8.723 FirePro™ V8750 - 8.723	FirePro™ V7750 - 8.723 FirePro™ V8700 - 8.723 FirePro™ V8750 - 8.723	FirePro™ V7750 - 8.723 FirePro™ V8700 - 8.723 FirePro™ V8750 - 8.723
NVIDIA	Quadro FX™ 3700 - 259.57 Quadro FX™ 4700 - 259.57  Quadro FX™ 3800 - 259.57 Quadro FX™ 4800 - 259.57 Quadro FX™ 5800 - 259.57  Quadro Fermi 4000 - 259.57 Quadro Fermi 5000 - 259.57 Quadro Fermi 6000 - 259.57	Quadro FX™ 3700 - 259.57 Quadro FX™ 4700 - 259.57  Quadro FX™ 3800 - 259.57 Quadro FX™ 4800 - 259.57 Quadro FX™ 5800 - 259.57  Quadro Fermi 4000 - 259.57 Quadro Fermi 5000 - 259.57 Quadro Fermi 6000 - 259.57	Quadro FX™ 3700 - 259.57 Quadro FX™ 4700 - 259.57  Quadro FX™ 3800 - 259.57 Quadro FX™ 4800 - 259.57 Quadro FX™ 5800 - 259.57  Quadro Fermi 4000 - 259.57 Quadro Fermi 5000 - 259.57 Quadro Fermi 6000 - 259.57	Quadro FX™ 3700 - 259.57 Quadro FX™ 4700 - 259.57  Quadro FX™ 3800 - 259.57 Quadro FX™ 4800 - 259.57 Quadro FX™ 5800 - 259.57  Quadro Fermi 4000 - 259.57 Quadro Fermi 5000 - 259.57 Quadro Fermi 6000 - 259.57

\* Please note that Microsoft Windows® Vista Service Pack 2, Windows® XP Service Pack 3, Windows® XP64 Service Pack 2 are recommended.

Last update: 28 September 2010