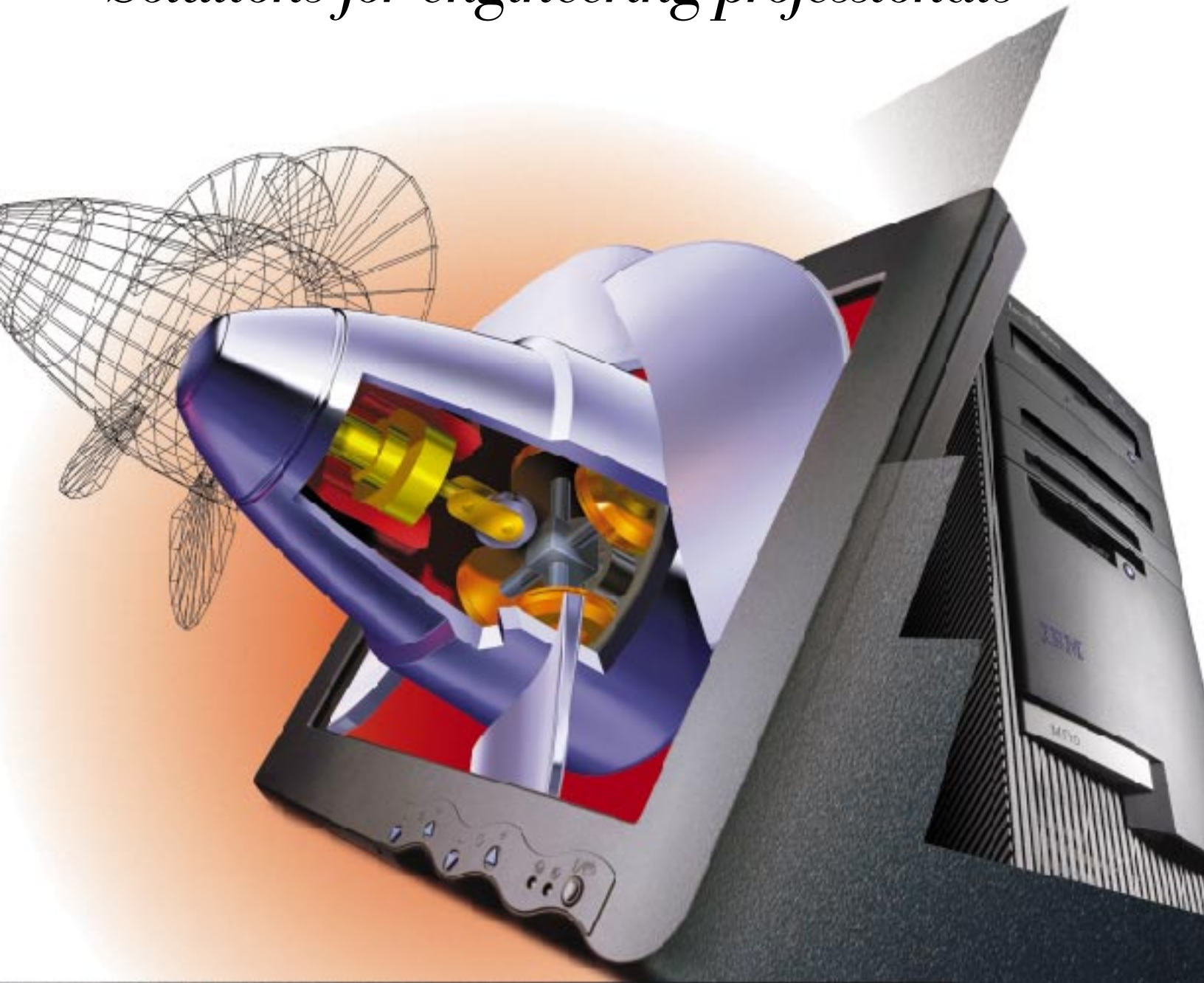


The IBM IntelliStation



*Solutions for engineering professionals*



IBM IntelliStation

*Rendering your vision  
to sub-pixel perfection...*



**The future of form and function**

Building the future? The tool you need is ready today. The IBM IntelliStation meets your daily challenge: to produce more, in less time, with higher quality. The IBM IntelliStation series equips your team with advanced Intel processor performance, scintillating 2D and 3D graphics subsystems, generous industry-standard expansion capabilities, and seamless integration with current and evolving work environments. A potent tool that sparks invention, forges new connections, reveals new insights. Back to earth – did we mention downright affordable?

**Killer apps have met their match**

Your specialized engineering applications are the ultimate test of the IntelliStation's award-winning design.<sup>1</sup> The criteria for your next workstation can be nothing less than potent performance, faultless reliability, and worry-free software compatibility – the very standards the IBM IntelliStation meets through certification by leading CAD/CAM/CAE software vendors. Their rigorous testing confirms the application-focused performance and compatibility of the IBM IntelliStation, as well as giving you the assurance of expert, coordinated support encompassing both hardware and software issues. For the real-world challenge you face every day, IBM is ready to assist you with vast cross-platform experience, world-class service, and a long tradition of collaboration with the engineering disciplines.

**The right tool for the job**

IBM has the precision tool you need to move your design through the development cycle in record time. The IBM IntelliStation burns through complex projects fueled by industrial-duty Intel Pentium II and Pentium Pro processors. In single or dual processor configurations up to 300MHz<sup>2</sup>, these IBM dynamos offer multitasking performance rivaling – even surpassing – proprietary workstations. For daunting data sets, the IntelliStation is fortified with massive memory configurations expandable up to 1GB, ultra-fast 7200rpm hard drives available up to 9.1GB<sup>3</sup>, and standard Wide Ultra SCSI throughput at up to 40MBps per channel. With balanced integration of these advanced standards-based technologies, the IBM IntelliStation sets the pace for technical application performance.

**Cross the platform boundaries with IntelliStation**

The IBM IntelliStation series combines Intel's most advanced processors with Microsoft Windows NT 4.0, for 32-bit speed and muscle. Like its UNIX peers, the IBM IntelliStation delivers a robust multitasking, multiprocessor design solution. Add to the bargain enhanced personal productivity, as well as more seats for your IT dollar, and you're ready to run your demanding CAD/CAM/CAE tools in harmony with your everyday Windows business applications. Plug-and-go Ethernet 10/100 is standard, making the connection with UNIX environments a convenient cross-platform reality. For critical applications that have yet to migrate to Windows NT, the Hummingbird "Try-and-Buy" Software Suite is included for efficient UNIX emulation on your IntelliStation. From input to output, the IBM IntelliStation is the integrated solution for simplifying your increasingly complex world.



*Smooth motion and  
pristine sound...*

## IntelliStation at a Glance

	M Pro	Dual M Pro	Z Pro
<b>Processor</b>	266MHz, 300MHz Pentium II processor	Single or dual 233MHz, 266MHz 300MHz Pentium II processors	Single or dual 200MHz Pentium Pro processors
<b>L2 cache</b>	512KB on-board	512KB on-board	256KB or 512KB on-chip at 200MHz
<b>Memory maximum Type/speed/total sockets</b>	512MB EDO ECC/60ns/3DIMMs	512MB SDRAM ECC/60ns/4DIMMs	1GB EDO ECC/60ns/4 DIMMs
<b>Wide Ultra SCSI hard drives</b>	4.3GB/5400rpm	Up to 9.1GB/7200rpm (optional)	2.1 and 4.5GB/7200rpm
<b>Slots/Bays</b>	5 slots/5 bays	6 slots/6 bays	7 slots/6 bays
<b>Graphics engines</b>	Matrox Millennium Intergraph Intense3D Pro 1000/T	PERMEDIA 2 Intergraph Intense3D Pro 2200/T	Matrox Millennium Intergraph Intense3D Pro 1000/T

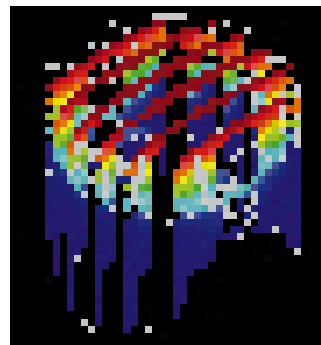
### A choice of graphic dimensions

To keep your design momentum flowing, IntelliStation offers leading graphics engines from 3Dlabs, Matrox, and Intergraph for super-crisp screen response and essential OpenGL support. For 2D and a wide range of 3D projects, the PERMEDIA 2 graphics adapter is the card to watch. This 24-bit screamer—based on 3Dlabs GLINT technology—taps into the dedicated Accelerated Graphics Port, with pipelined access to system memory delivering a brilliant 129 score on the Winbench test.<sup>4</sup> The Matrox Millennium card is a popular choice with 24-bit resolution up to 1600x1200 and a flicker-free refresh rate of 200Hz. And for your most demanding 3D designs, the Intense3D Pro 2200/T adapter from Intergraph delivers hardware-accelerated trilinear MIP-mapping and fill rates up to 22 million 32-bit texels/second. Virtually double that prodigious performance by adding the Intergraph Geometry Accelerator option with seven dedicated DSPs focusing 840 megaflops of processing power on your design. The IBM IntelliStation's realtime graphics eliminate the wait and let you create.

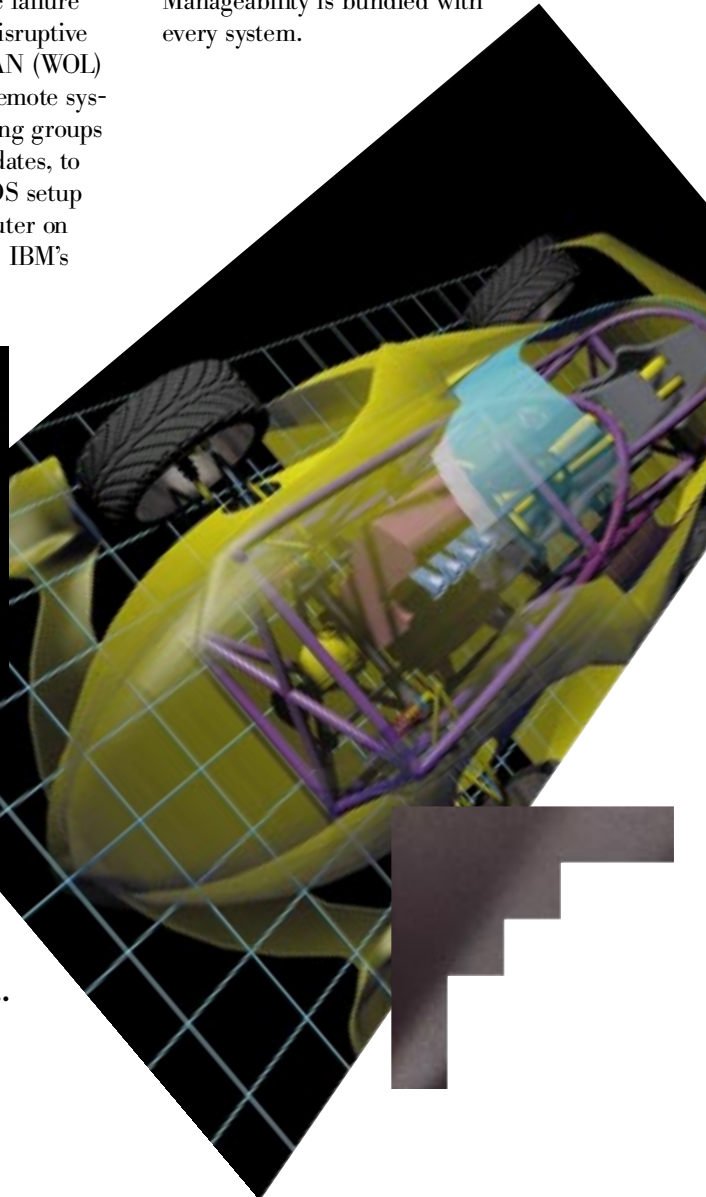
### Master your domain with Advanced Manageability

IBM is committed to help you manage and protect your computer investment. For example, IBM IntelliStations are equipped with intelligent hard drive diagnostics and DMI-compliant instrumentation. Monitor the health of your systems with IBM's predictive failure analysis tool that eliminate disruptive downtime. IBM's Wake on LAN (WOL) provides key technology for remote system management, from booting groups of computers for software updates, to standardizing the BIOS/CMOS setup of every WOL-enabled computer on the network—simultaneously. IBM's

Netfinity and Intel's LANdesk software clients<sup>5</sup> are included for unprecedented control over your domain. Work assured knowing IBM's Customer Service and Support Team is on alert 24 hours a day, 7 days a week,<sup>6</sup> ready with power tools like CoSession for remote problem resolution. With IBM, Advanced Manageability is bundled with every system.



*A  
smarter  
way to work...*







**IBM SystemXtra—your competitive edge**

IBM SystemXtra is designed to make the most of your IT investment by combining a host of technologies, services and convenient financing to make your job easier. Available exclusively through IBM Business Partners, services include training, on-site recovery assistance and network maintenance. Combined with IBM's Technology Exchange—a flexible and affordable way to upgrade your leased computers after only two years—this resourceful program brings you the worldwide expertise of IBM Global Services, with the personal attention of your trusted IBM Business Partner—all for a single, monthly payment.

**Visit your IBM Business Partner**

to view the intelligent performance of the IBM IntelliStation series. Or get a preview and the full list of certified CAD/CAM/CAE applications at our Web site: [www.us.pc.ibm.com/intellistation](http://www.us.pc.ibm.com/intellistation)

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- <sup>1</sup> M Pro model 6888 Best of Byte award winner Comdex Spring 97.
- <sup>2</sup> MHz only measures microprocessor clock speed, not application performance. Many factors affect application performance.
- <sup>3</sup> GB equals one billion bytes when referring to hard drive capacity. Accessible capacity may vary.
- <sup>4</sup> IBM results using WinBench 97 v1.0 Business Graphics WinMark 97; 1024x256 colors, Windows NT 4.0 SP2. Benchmarks submitted to the OpenGL Performance Characterization Organization: [www.specbench.org/GPC/OPC.static/](http://www.specbench.org/GPC/OPC.static/)
- <sup>5</sup> Provided on CD-ROM at no additional charge.
- <sup>6</sup> Excluding some holidays. Response time may vary.

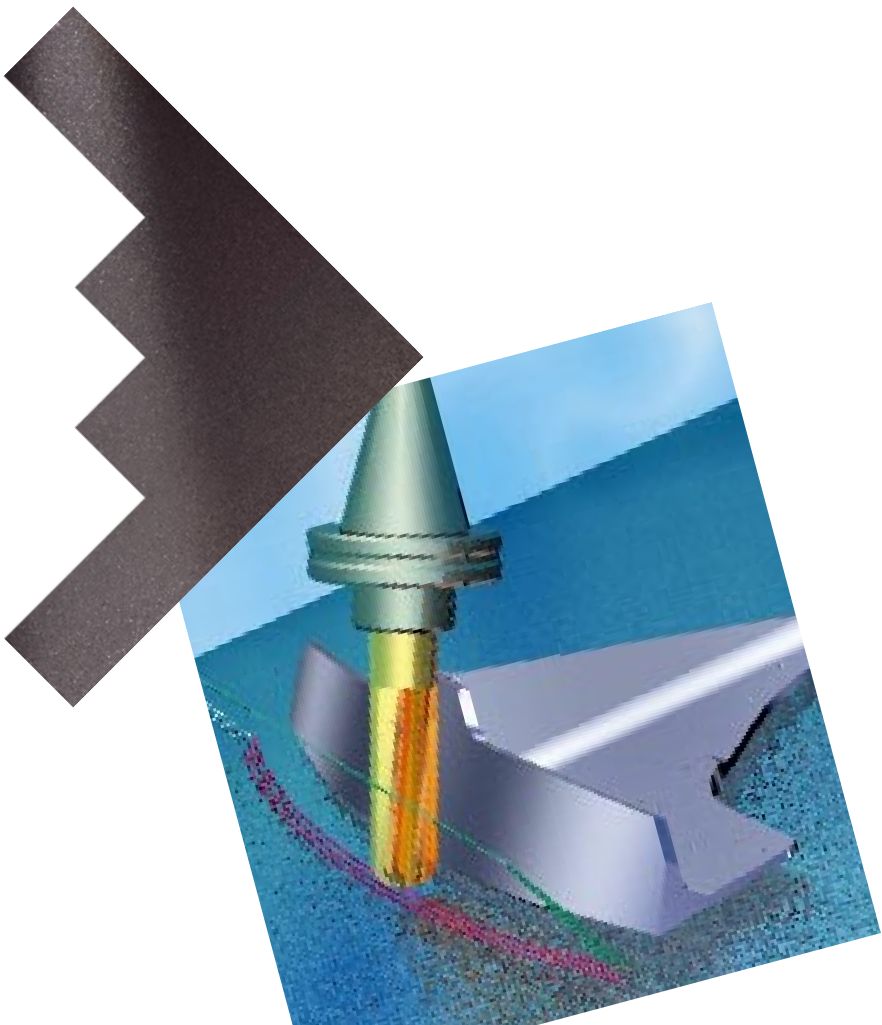
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Tested, warranted and supported by manufacturer to IBM IntelliStation Compatibility Standards.

