IBM

IntelliStation

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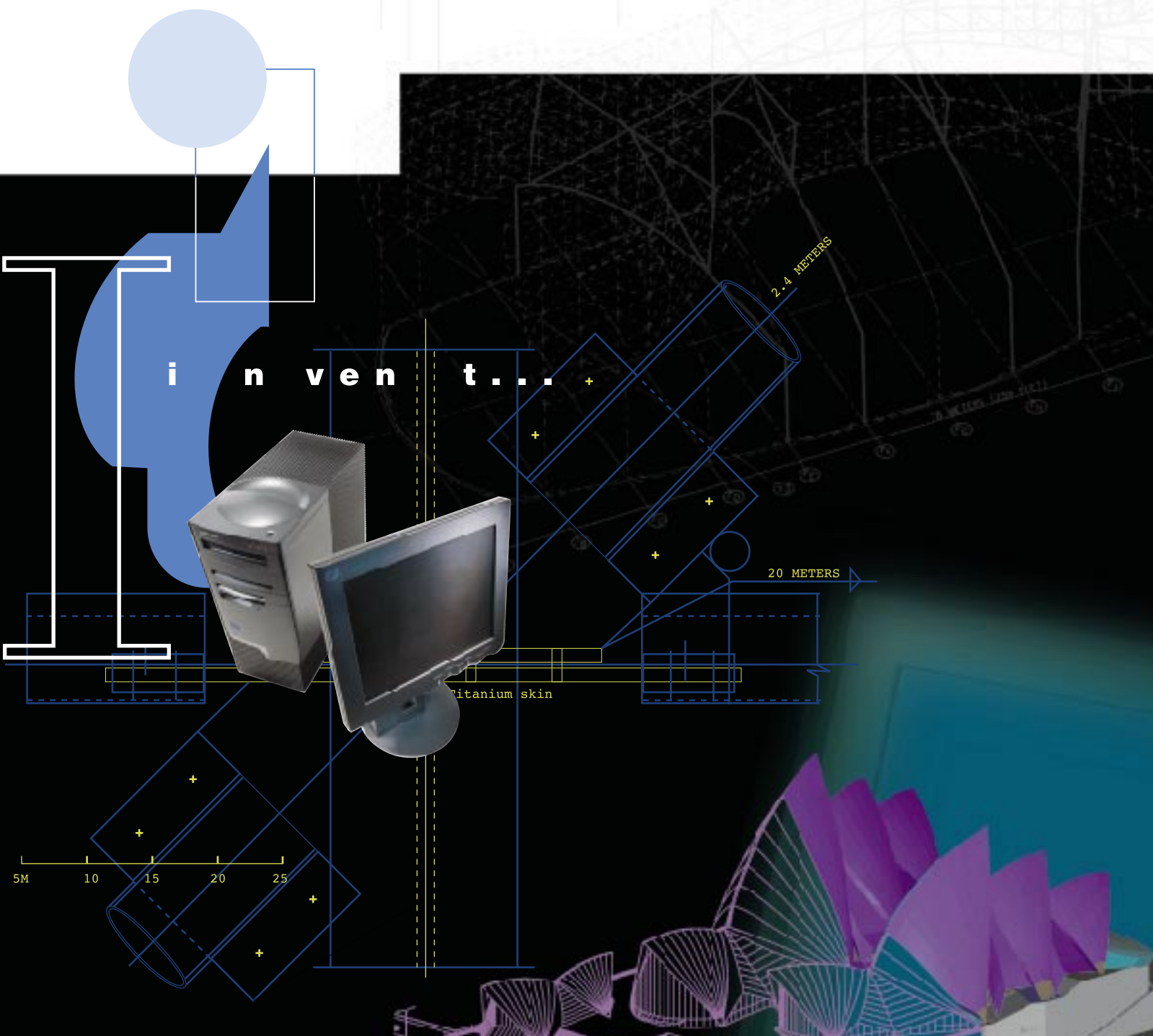
2.4 METERS

20 METERS

Titanium skin

5M   10   15   20   25

IntelliStation

Achieve more—better and faster—with the IBM IntelliStation

Building the future? The tool you need is here today, ready to meet your daily challenge: to produce more, in less time, with higher quality. A potent tool that sparks invention, forges new connections, reveals new insights. The IBM IntelliStation combines the most advanced Intel® Pentium® II processors with Microsoft® Windows® NT 4.0, the new standard for 32-bit computing. Result? Technical workstation performance and the ultimate in desktop productivity and manageability. Fueled to run your hungry engineering applications as well as your everyday business suite, the IBM IntelliStation's multitasking desktop is the center of your expanding universe. Collaborate across workgroups or across continents—the IntelliStation expedites your work from inspiration to Internet connection. Ready to plug-and-go with your current network and interoperable with UNIX environments for the ultimate in cross-platform convenience.

Application-focused performance

Single- or dual-processors, 2D or 3D graphics, IBM has the precision tool to meet your needs. The IBM IntelliStation is the choice for marathon work schedules, built with future growth in mind. Blaze through finite-element computations with dual Pentium II processors at up to 400MHz[1]. Or start with the uni-processor model and double your compute power as needed—simply plug in a second Pentium II module for symmetric multi-processing and get a real performance kick from multithreaded code. Intel's MMX™ technology enhances your image with smooth motion and pristine sound without requiring additional hardware. With 100MHz SDRAM expandable up to 1GB, available 10,000rpm hard drives, dual-channel Ultra Wide SCSI enabled with RAIDport and 10/100 Ethernet to speed your models over the wire, the IntelliStation bristles with flexible firepower to spark your creativity.

Application-focused graphics

Complex design demands instantaneous screen response. The IBM IntelliStation delivers with a choice of dimensions. For brilliant 2D performance, the 64-bit Matrox Millennium II packs 8MB of dual-ported WRAM (upgradeable to 16MB) and a 250MHz RAMDAC to achieve industry-leading WinMark scores. Combining high refresh rates with expansive resolutions up to 1920x1200, this graphics card is the industry reference. For demanding 2D display and a wide range of 3D projects, the PERMEDIA 2 enhanced card taps into a dedicated AGP slot for increased bandwidth and speed. Features such as OpenGL support, 100MHz SGRAM and 16-bit Z-buffering further enhance the GLINT-based power of the PERMEDIA 2 enhanced.

For the exacting 3D challenges of modeling, the Intense 3D Pro 3400 by Intergraph displays electrifying performance. Stacked with 16MB of video SDRAM and 16MB of texture SGRAM, you'll get the detailed view with true-color 1280x1024 resolution, 24- or 32-bit Z-buffering for precision object ordering,

Microsoft® Windows NT®

"It's the fastest NT workstation I've seen. Most systems can rotate a shaded image but the IntelliStation flies when integrating data, running toolpaths, and manipulating files. And it's easy to install—we just plugged it in, loaded the software, and it was ready to run."
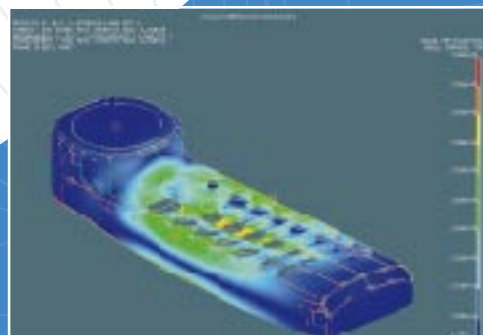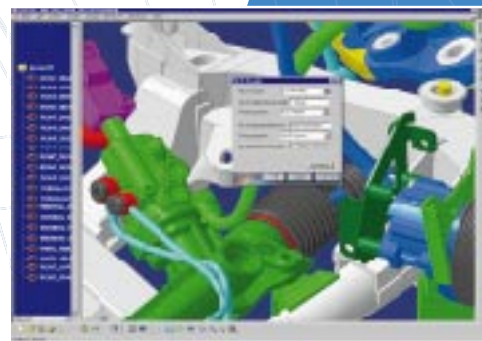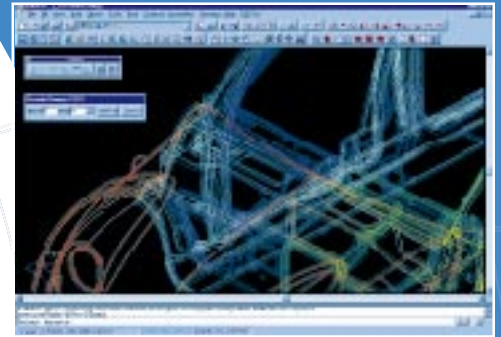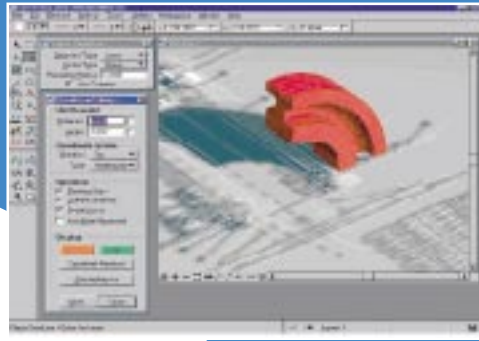
Mike Britt, Cadmold, Inc.

Gouraud shading, trilinear texture mapping and support for both OpenGL and Heidi. The available Intergraph geometry and light accelerator—supercharged with 14 digital signal processors (DSPs)—makes the IntelliStation the ultimate 3D environment on Windows NT. The IBM IntelliStation's real-time graphics eliminate the wait and let you create.

Application certification

The criteria for your next workstation can be nothing less than potent performance, faultless reliability and worry-free application compatibility—the very standards the IBM IntelliStation meets through certification by leading engineering vendors. Their rigorous testing confirms the IBM IntelliStation's performance and compatibility, giving you the assurance of expert, coordinated support encompassing both hardware and software issues. For the real-world demands you face every day, IBM has the experience, resources and technology partnerships to merit your complete confidence. For the current list of supported applications, visit our Web site at *www.ibm.com/pc/us/intellistation*

The IntelliStation advantage

IBM is committed to helping you deploy, manage and protect your workstation investment. For example, IBM's Asset ID[2] technology can identify and track the movement of IntelliStations "branded" with radio frequency ID tags to streamline deployment, inventory and security measures. Monitor hard drive performance with IBM's SMART Reaction™ proactive failure tools featuring customized client/manager alerts and automatic backup to ensure the safety of your valuable data. IBM introduced standards-based remote system management to the industry with Wake on LAN (WOL), enabling IS managers to power on systems over the network to perform off-hours tasks such as configuration and software updates. WOL is now supplemented by Alert on LAN technology that monitors and reports on temperature, voltage, chassis intrusion, component removal, disconnection to power or the LAN—even when the computer is powered off! Alert on LAN works as a stand-alone application or in conjunction with IBM's Netfinity Manager and Intel's LANDesk Client Manager—both software clients[3] are included with IntelliStation—providing unprecedented control over your domain.

Relief for your IT headaches

IBM SystemXtra is designed to make the most of your IT investment by combining a host of technologies, services, and flexible financing to make your job easier. These 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—for a single monthly invoice.

Visit your IBM Business Partner

to view the fully rendered performance of the IBM IntelliStation. Or get a preview and the full list of supported CAD/CAM applications at our Web Site: *www.ibm.com/pc/us/intellistation*

IBM IntelliStation M Pro Technical Specifications

Processor	350MHz or 400MHz Pentium II processor, dual capable, 512KB L2 cache
Memory std/max **Type/speed/total sockets**	64, 128 or 256MB/1GB SDRAM/ECC/100MHz/4 DIMMs
Hard drives[4]	Up to 9.1GB 10,000rpm Wide Ultra SCSI with SMART
Slots **Bays**	6 slots: 4PCI, 1 shared PCI/ISA, 1 AGP (5 open slots) 6 bays: (2) 3.5" internal; (2) 3.5" external; (2) 5.25" external
Graphics engines	Matrox Millennium II, 8MB/16MB max PERMEDIA 2 enhanced with 8MB flexible allocation video RAM Intergraph Intense 3D Pro 3400 with 16MB memory Intergraph geometry and lighting accelerator available

Designed for
Microsoft® Windows NT®

IBM IntelliStation® proven

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