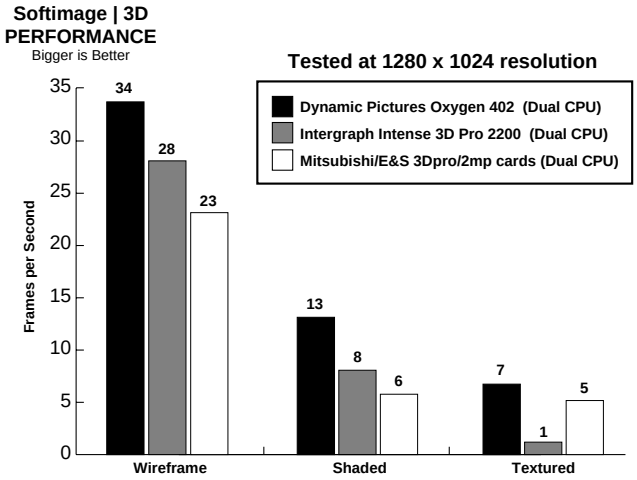
dynamic pictures

animation performance

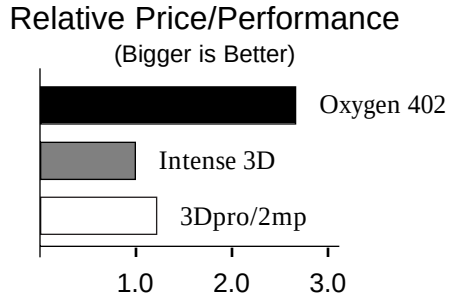
Dynamic Pictures® Oxygen™ 3D Family

The Best 3D Application Performance
The Best Price

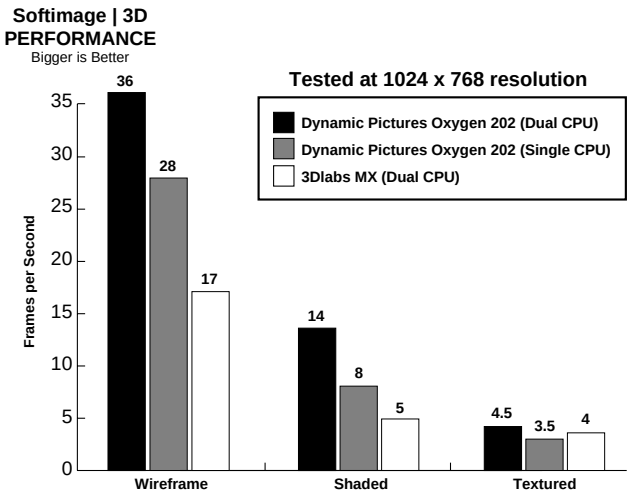
Below are the results from a Softimage® | 3D application-based test called Ancient Future. This benchmark measures real-world application performance using models from the professional animation community. The graphs below illustrate the performance of Oxygen 3D cards run on both single and dual Intel CPU systems, as well as the relative performance from more costly accelerators.



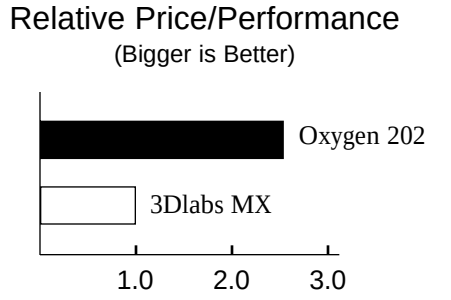
HIGH-END 3D CARDS	
3D CARD	***PRICE***
Oxygen 402 (powered by quad Oxygen chips)	**$2,299**
Intergraph Intense 3D Pro 2200 (powered by Realizm)	**$2,694**
AccelEclipse and FireGL 4000 (powered by Mitsubishi/E&S 3Dpro/2mp)	**$2,999**



On average, Oxygen 402 is 127% faster than Intense 3D Pro and 68% faster than AccelEclipse or FireGL 4000. Given Oxygen 402's lower price, it is 2.2 to 2.7 times the price-performance value of these competing cards.



MID-RANGE 3D CARDS	
3D CARD	***PRICE***
Oxygen 202 (powered by dual Oxygen chips)	**$1,199**
AccelPro MX and GLoria L/MX (powered by 3Dlabs MX chip)	**$1,499**



Oxygen 202 is 103% faster on average and 20% cheaper—an overall price-performance win of 2.54 times that of the MX cards. (Since MX cannot support 1280x1024 true color, the mid-range card tests were run at 1024x768.)

Test platform: Compaq 5100 Workstation, single and dual Intel 300 MHz processor(s), 128 MB RAM

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cad performance

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The Best 3D Application Performance
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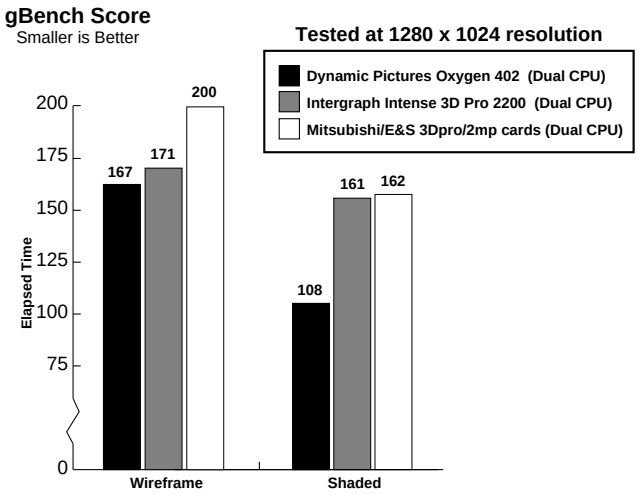
CAD based application benchmarks give users an accurate view of how a graphics accelerator will perform under real-world circumstances. The gBench test is based on Pro/Engineer® CAD software from Parametric Technology Corp. This test simulates a typical session of Pro/Engineer using models from the professional design community.



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Intergraph Intense 3D Pro 2200 (powered by Realizm)	**$2,694**
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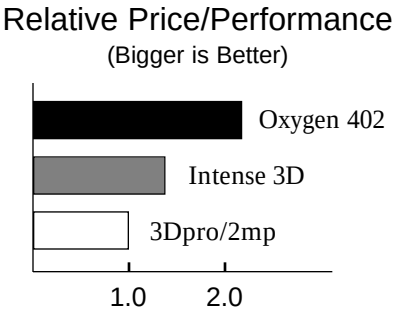
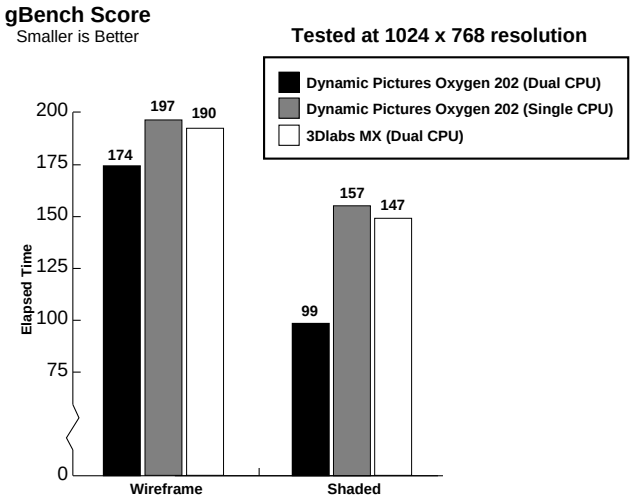


Based on these CAD tests, the Oxygen 402 is 35% faster than 3Dpro/2mp based cards, and 26% faster than Intense 3D. Given Oxygen 402's lower price, it is 1.6 to 2.2 times the price-performance value of these competing cards.



MID-RANGE 3D CARDS	
3D CARD	***PRICE***
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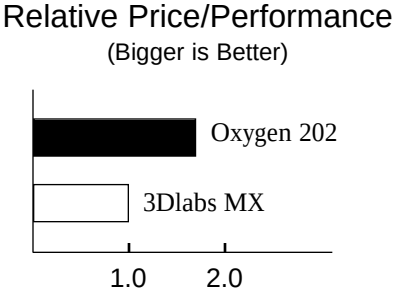

The Oxygen 202 is 34% faster than the MX based cards, and 20% cheaper—an overall price performance win of 1.7 times. (Since MX cannot support 1280x1024 true color, the mid-range card tests were run at 1024x768.)

Test platform: Compaq 5100 Workstation, single and dual Intel 300 MHz processor(s), 128 MB RAM

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