



# CINT2000 Result

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**Dell**  
Precision WorkStation 530 (2.0 GHz Xeon)

SPECint2000 = **750**  
SPECint\_base2000 = **733**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Jan-2002 Hardware Avail: Jan-2002 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	186	754	183	764	
175.vpr	1400	328	427	315	445	
176.gcc	1100	124	885	124	884	
181.mcf	1800	319	564	319	564	
186.crafty	1000	146	687	146	686	
197.parser	1800	250	720	248	725	
252.eon	1300	141	920	122	1068	
253.perlbmk	1800	192	936	192	936	
254.gap	1100	118	931	116	945	
255.vortex	1900	187	1018	176	1083	
256.bzip2	1500	255	587	255	589	
300.twolf	3000	478	628	480	625	

### Hardware

CPU: Intel Xeon  
 CPU MHz: 2000  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1, 2  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 2 x 128MB PC800 ECC RDRAM  
 Disk Subsystem: 1 x 9GB Fujitsu 10K U160  
 Other Hardware:

### Software

Operating System: Windows 2000 Professional (SP2)  
 Compiler: Intel C++ Compiler 5.0.1 (010727Z)  
 Microsoft Visual C++ 6.0 (SP5)  
 MicroQuill SmartHeap Library 5.0  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
 186.crafy: -DNT\_i386  
 253.perlbmk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### FEEDBACK-DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof\_gen PASS2= -Qprof\_use

### BASE TUNING

C: -Qipo +FDO -QxW shlW32M.lib  
 C++: -Qipo -QxW -GX -GR

### PEAK TUNING

164.gzip: -Qipo +FDO -QxW -Oi- -Oa  
 175.vpr: -Qwp\_ipo +FDO -QxW  
 176.gcc: -Qipo +FDO -QxW shlW32M.lib  
 181.mcf: -Qipo +FDO -QxW shlW32M.lib  
 186.crafty: -Qipo +FDO -QxW -Oa shlW32M.lib  
 197.parser: -Qipo +FDO -QxW  
 252.eon: -Qipo +FDO -QxW  
 253.perlbmk: -Qipo +FDO -QxW shlW32M.lib  
 254.gap: -Qipo +FDO -QaxW



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## Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo +FDO -QxW -Oa shlw32M.lib
256.bzip2:  -Qipo +FDO -QxW shlw32M.lib
300.twolf:  -Qipo +FDO -QxW shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```