



# CINT2000 Result

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**Dell**  
**Precision Workstation 360 (2.26 GHz P4)**

**SPECint2000 = 904**  
**SPECint\_base2000 = 871**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Jun-2003 Hardware Avail: May-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	158	885	158	887	
175.vpr	1400	249	563	250	561	
176.gcc	1100	100	1100	100	1097	
181.mcf	1800	257	699	255	707	
186.crafty	1000	117	856	117	855	
197.parser	1800	217	830	217	831	
252.eon	1300	130	1000	112	1158	
253.perlbmk	1800	182	988	170	1060	
254.gap	1100	93.3	1179	93.3	1179	
255.vortex	1900	136	1400	136	1400	
256.bzip2	1500	223	672	212	708	
300.twolf	3000	469	640	398	754	

### Hardware

CPU: Intel Pentium 4 (533 MHz system bus)  
 CPU MHz: 2260  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1  
 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: 4 X 512MB non-ECC DDR333 SDRAM  
 Disk Subsystem: 1 x 80GB ATA/100 7200 RPM  
 Other Hardware:

### Software

Operating System: Windows XP Professional SP1  
 Compiler: Intel C++ Compiler 7.1 (20030402Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 MicroQuill SmartHeap Library 6.01  
 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

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

### BASE TUNING

C: -QxW -Qipo -O3 +FDO  
 C++: -QxW -Qipo -GX -GR

### PEAK TUNING

164.gzip: -QxW -Qipo -Oa -O3 +FDO  
 175.vpr: -QxW -Qipo -O3 +FDO  
 176.gcc: -QxW -Qipo -O3 +FDO  
 181.mcf: -QxW -Qipo -O3 +FDO shlw32M.lib  
 186.crafty: -QxW -Qipo -O3 +FDO  
 197.parser: -QxW -Qipo -O3 +FDO  
 252.eon: -QxW -Qipo -O3 +FDO  
 253.perlbmk: -QxW -Qipo -O3 +FDO shlw32M.lib



# CINT2000 Result

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Dell  
Precision Workstation 360 (2.26 GHz P4)

SPECint2000 =	904
SPECint_base2000 =	871

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jun-2003 | Hardware Avail: May-2003 | Software Avail: Apr-2003

## Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll11 +FDO
300.twolf:    -Qipo -QxW -O3 -Oa      shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib:  MicroQuill SmartHeap Library 6.01
              www.microquill.com
```