# CINT2000 Result

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## Dell

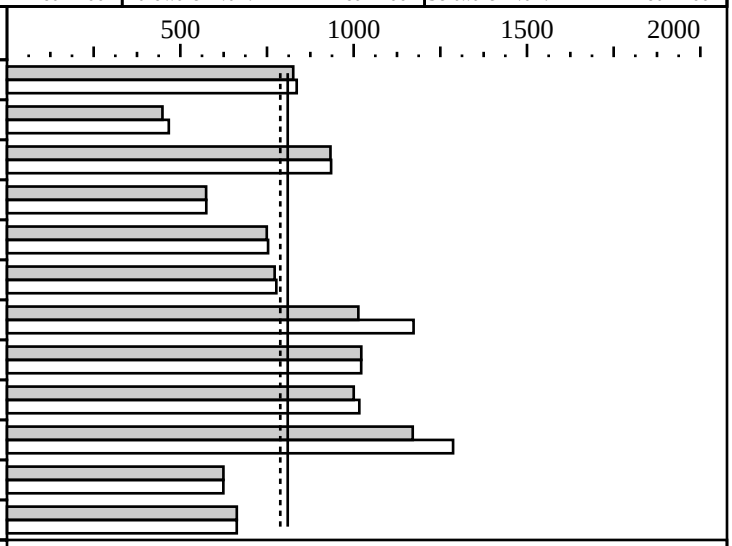
## Precision WorkStation 530 (2.2 GHz Xeon)

SPECint2000 = 810

SPECint_base2000 = 788

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 | 170 | 826 | 168 | 836 |
| 175.vpr | 1400 | 312 | 448 | 300 | 467 |
| 176.gcc | 1100 | 118 | 933 | 118 | 935 |
| 181.mcf | 1800 | 313 | 574 | 313 | 575 |
| 186.crafty | 1000 | 133 | 749 | 133 | 753 |
| 197.parser | 1800 | 233 | 772 | 232 | 777 |
| 252.eon | 1300 | 128 | 1014 | 111 | 1173 |
| 253.perlbmk | 1800 | 176 | 1022 | 176 | 1022 |
| 254.gap | 1100 | 110 | 1000 | 108 | 1016 |
| 255.vortex | 1900 | 162 | 1170 | 148 | 1287 |
| 256.bzip2 | 1500 | 240 | 624 | 240 | 624 |
| 300.twolf | 3000 | 453 | 663 | 453 | 663 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon |
| CPU MHz: | 2200 |
| 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 36GB Quantum Atlas 10K II U160 |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 Professional (SP2) |
| Compiler: | Intel C++ Compiler 5.0.1 (010922Z)<br>Microsoft Visual C++ 6.0 (SP5)<br>MicroQuill SmartHeap Library 5.0 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafty:  -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)

```
  255.vortex:  -Qwp_ipo +FDO -QxW -Oa
  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
```