

**Price List Effective February 1, 2023**  
For Windows 98 SE, ME, 2000, NT, XP, Vista, Windows 7, 8 & 10

**PC Based Machine Tool Controller Software Sold Separately**

**CNC Professional PC-Based Machine Tool Controller Software only** – Up to 8 axes for any CNC machine type. Includes configurable operator screen with high-resolution solid modeled graphics, configurable G code, AS3000 Level-1 3D multimedia CAD/CAM system, diagnostic software, servo tuning software, logic process editor and desktop machine logic simulation test mode. **\$4,995 - Includes one year Maintenance Software Updates. DIY \$1,248 - See website**

**CNC Lite PC-Based CNC Machine Tool Controller Software only** – Up to 8 axes for any CNC machine type. Includes configurable operator screen, limited configurable G&M codes, diagnostic software, servo tuning software and logic process editor. **\$1,995 - Includes one year Maintenance Software Updates. DIY \$498 - See website**

**CNC Plus (Bonus Pac options for CNC Lite)** -- Includes (G40, G41, G42) Tool comp, (M98, M99) Subroutine calls, (G94, G95) IPR & IPM for Lathes, (G74) Lathe peck drilling, (G96, G97) Constant surface feed for Lathes, Threading and Tapping, Backlash axes compensation, Lead screw axes mapping compensation, Advanced Mid-Program start allows program to begin anywhere. **Adds \$1,500 to the price of CNC Lite - Includes one year Maintenance Software Updates. DIY adds \$377 onto CNC Lite - See website**

**Graphical Operator Interface Software only** – Up to 8 axes for non-CNC applications. Includes configurable general automation operator interface tools, complete general automation language, interacts with native motion card commands, diagnostic software, servo tuning software and logic process editor. **\$495 - Includes one year Maintenance Software Updates. DIY \$199 - See website**

**SmartPath** -- A Patent Pending intelligent tool path optimizer that automatically adjusts feedrates, accel rates and decel rates based on a set of rules and spindle torque defined on the SmartPath screen. Over 80 personal preference profiles can be saved to recall different cutting conditions for materials, vendors, machine types or user preferences. **\$795**

**Digitizing Probing Routine** creates 3D point cloud file to be used by a variety of CAD/CAM systems. **Call for driver or laser pricing.**

**PC Based Machine Tool Controller Hardware Sold Separately**

**Reliable Commercial Model. High-Speed DSP Based Motion Controller Card which runs independently and separately from Windows. Series CS18020 (PCI)** -- Includes: 32-bit servo/stepper microprocessor, separate memory and operating system with labeled and silk screened optically isolated output interconnect module to connect the computer to the machine, digital I/O and cables.

2 Axis+22 I/O (CS18220) = \$1,575

3 Axis+25 I/O (CS18320) = \$1,750

4 Axis+28 I/O (CS18420) = \$1,915

**Reliable Commercial Model. High-Speed DSP Based Motion Controller Card which runs independently and separately from Windows. Series-CS18060 (Ultra High Speed PCI card)** -- Includes: 32-bit servo/stepper microprocessor, separate memory and operating system with labeled and silk screened optically isolated interconnect module to connect the computer to the machine, extra auxiliary encoder channels to read hand wheels, spindles, turrets or tool changers, 7 analog inputs to read voltage, feedrate pot override or spindle speed override, digital I/O and cables.

2 Axis+22 I/O (CS18260) = \$2,310

3 Axis+25 I/O (CS18360) = \$2,760

4 Axis+28 I/O (CS18460) = \$3,095

5 Axis+71 I/O (CS18560) = \$4,269

6 Axis+74 I/O (CS18660) = \$4,489

7 Axis+77 I/O (CS18760) = \$4,704

8 Axis+80 I/O (CS18860) = \$4,894

**Reliable Commercial Model. DSP Based Motion Controller box which runs independently and separately from Windows. Series CS41030 (Ethernet)** -- Includes: 32-bit servo/stepper microprocessor, separate memory and operating system. 100 base T Ethernet, optically isolated digital I/O, Extra auxiliary encoder channels to read hand wheels, spindles, turrets or tool changers, 8 analog inputs to read voltage, feedrate pot override or spindle speed override, digital I/O and DB style terminal cable connections. (Mounts externally in provided metal box, not inside computer.)

Optional 1 meter to 7.5 meter cable that extends cable length from the DB style connectors. **\$35/each for 1 meter, \$50/each for 7.5 meter**

Optional Screw-on terminal break out boards that plug into DB style connectors. **\$75 each**

1 Axis+27 I/O (CS41130) = \$1,365

5 Axis+55 I/O (CS41530) = \$2,070

2 Axis+30 I/O (CS41230) = \$1,475

6 Axis+58 I/O (CS41630) = \$2,175

3 Axis+33 I/O (CS41330) = \$1,635

7 Axis+61 I/O (CS41730) = \$2,280

4 Axis+36 I/O (CS41430) = \$1,810

8 Axis+64 I/O (CS41830) = \$2,380

**CS16600 DSP Based Motion Controller** -- Includes: 32-bit true closed loop servo PCI card, Commercial Model. Optically isolated terminal strip/shielded cable to connect the computer to the machine, 6 encoder channels to read hand wheels, spindles, turrets or tool changers, 6 analog inputs to read voltage, feedrate pot override or spindle speed override, 26 digital I/O and cables. (Premium MicroSystems Option Recommended) **6 Axis+26 I/O (CS-16600) = \$594**

**Stepper Card CS14000** -- Includes external 4-axis step and direction board, serial (USB add \$35) and power cables, 100 KHz, 6 inputs, 7 outputs, 1 overtravel input and 1 E-stop. Optionally can also control step & direction brush and brushless servo motors up to 20 amps. **\$395**

**Options for the PC Based Machine Tool Controller**

**OPTO 22** Optically Isolated Relays (please specify voltage). **\$17-\$30 each depending on voltage and type.**

**OPTO 22** Optically Isolated Spare Relays Racks. Provides isolation and noise guard. Qty. 4 - \$53 Qty. 16 - \$168

**Extra digital I/O card(s)** -- Includes cable(s) and TTL terminal block(s) or relay rack(s).

**32 point (PCI) - \$720/set      48 point (PCI or PCI-e) - \$856/set      96 point (PCI or PCI-e) - \$1,246/set**

**PCI to PCI-e Adapter:** Allows standard PCI cards to plug into PCI-e slots. **\$99**

**Note:** Relay racks require Opto 22 relays of any voltage. Terminal blocks are limited to TTL voltage.

**MicroSystems Computer** – Industrial Rack Mount Computer. CamSoft's brand of affordable computers. Comes ready to use with pre-installed, pre-configured and pre-tested software & hardware per your order. Computer specs vary. **\$1,495**

**(Dual Screen/Monitor Video Card Option \$395)**

**CS Hand Held Controller** -- Hand Wheel, 2 feed/speed pots, 8 axis switch, increment switch, E Stop, 15 push buttons, 25 pin cable **\$1,295**

**Tool Room Hand Held Pendant** -- Pulse Wheel Generator, 6 axes & increment selector switches, E-STOP, 16 ft. spiral cable, 2 user configurable push buttons. **\$495**

**Control Mate Hand Held Controller** - Lightweight, low-cost hand held unit with cable. 24 user-definable push buttons **\$395**

**Xbox hand held controller + USB port Wireless remote station** **\$89**

**Industrial Joy Stick** - 360 degree travel with pressure sensor, position record button, stream mode recording trigger and USB cable **\$495**

**CamSoft Touch Screen Controller** - Full replaceable keyboard, 19" thin flat LCD 1024x768-16 million color Touch Screen, Push buttons: Cycle Start, Feed Hold, Emergency Stop, Key lock On/Off switch, Extension monitor, power & keyboard cables, two side handles, hand wheel, uses 100mm VESA standard mounting on back center. **\$2,895**

**Operator Station Kit** - mountable 19" Flat Screen Frameless Monitor, 2 adjustable monitor mounting brackets, Operator Plate Panel, E-Stop, Hand Wheel, Key Switch, 2 Lit Push Buttons, Cables (**LCD \$1,295, Touch Screen \$1,695, No Monitor or Brackets \$795**)

**CamSoft Flat Panel Cabinet Mount Controller** – 19" Flat LCD screen, 56 programmable buttons and hand wheel. **\$1,995**

**OPTIONS:** • 19" Flat Touch Screen monitor, **add \$395**, • Standard VESA arm mountable pendant cabinet enclosure, **add \$495**  
• Touch pad and on-screen pop-up keyboard, **add \$45**

**19" LCD flat screen monitor** that swings from a provided tiltable mounting arm. **\$495** (17" Touch Screen Model **\$945**)

**Standalone Analog Output Box**- Provides 4 analog outputs. Serial (*USB add \$35*) for voltages between +/- 10 vdc. **\$295**

**Standalone Analog Input Box**- Provides 4 analog inputs. Serial (*USB add \$35*) for voltages between +/- 10 vdc. **\$295**

**Standalone Digital Input/Output Box**– Provides 14 Inputs or Outputs. Serial (*USB add \$35*). **\$159**

**Standalone Handwheel Pulse Counter Box** – Reads digital quad hand wheel pulses through serial box (*USB add \$35*). **\$159**

**Spindle Marker Pulse Encoder** - For Threading and RPM control **\$129**

**UltraSonic Automatic Height Sensor** - Working Range 20mm to 250mm with 5 meter cable. **\$495**

**Bar Code Reader** for your PC. Easy to use interface built into CNC. **\$495**

**Servo and Stepper Motors with amplifiers and cables** -- *Call for pricing, based on size and torque.*

### **Advanced System 3000 CAD/CAM Products**

**Level 1** -- Includes 2- or 3-axis programming without surfacing, CAD file links and choice of automatic post processing for a Mill, Lathe, Foam Cutter, Grinder, EDM, Router, Laser, Plasma Cutter, Water Jet or Punch Press. **\$1,295, DIY \$99 - See website**

**Level 5** -- Includes all the Level 1 features with the addition of a solid modeled machine tool animated simulator, 6 automatic mill roughing features and 10 lathe roughing features. **\$2,595, DIY \$199 - See website**

**Level 10** -- Includes all the Level 5 features with the addition of parametric customizable utility feature. **\$5,995, DIY \$475 - See website**

**Level 20** -- Includes all the Level 10 features with the addition of over 20 automatic 3D surfacing features. Mathematical, multiple solid surfaces are created in up to 16 million colors. **\$13,995**

**Level 20 Plus** -- Includes all the Level 20 features with the addition of the Premium IGES Plus Translator - **Add \$895 to Level 20 price.**

**Level 30** -- Includes all the Level 20 features with the addition of features that will support 5-axis simultaneous machine tools. **\$17,995**

**Level 30 Plus** -- Includes all the Level 30 features with the addition of the Premium IGES Plus Translator - **Add \$895 to Level 30 price.**

**Nesting Software** for optimizing and automatically nesting any shape parts. Accepts DXF files for import. Runs in Windows with a fill-in-the-blank screen. Easiest nesting ever. **\$995**

**Art2CAM** creates 3D tool paths from bitmapped color coded or black & white dithered pictures or images. **\$1,995**

**4-Axis Wire** creates precisely coordinated tool paths for controlling 4-axis wire EDM or Hot Wire Foam Cutter machines. **\$995**

**Custom Posts** created to user specifications for each machine tool starting at **\$775**. Choice of off-the-shelf posts is included free.

### **Available Options for all Products**

**Standalone True Type Font Converter**- Converts standard Windows true type fonts into DXF, Vector or G Code files. Quick and easy engraving. **\$199**

**Raster2Vector** - Converts Bitmaps, Jpeg, TIF and PCX images to DXF CAD files or vector files consisting of lines, arcs and circles. **\$199**

**Service call or Training** -- 1 day (8 hour) increments of application assistance, custom logic writing or training. **\$775 per day -- Assistance time may vary. Travel and per diem will be billed separately if applicable.**

**OEM, Reseller & Retrofitter discounts 20% to 90%. OEM/Dealer prices will vary.**

**American Express, Discover, MasterCard & Visa accepted.**

**CamSoft reserves the right to make changes to this price list at any time.**