OEM 4 Axis CNC Controller
and
3D CAD/CAM System

Mills, Lathes, Routers, Flame cutters, WaterJets and Lasers
CamSoft's CNC Lite PC Based Controller
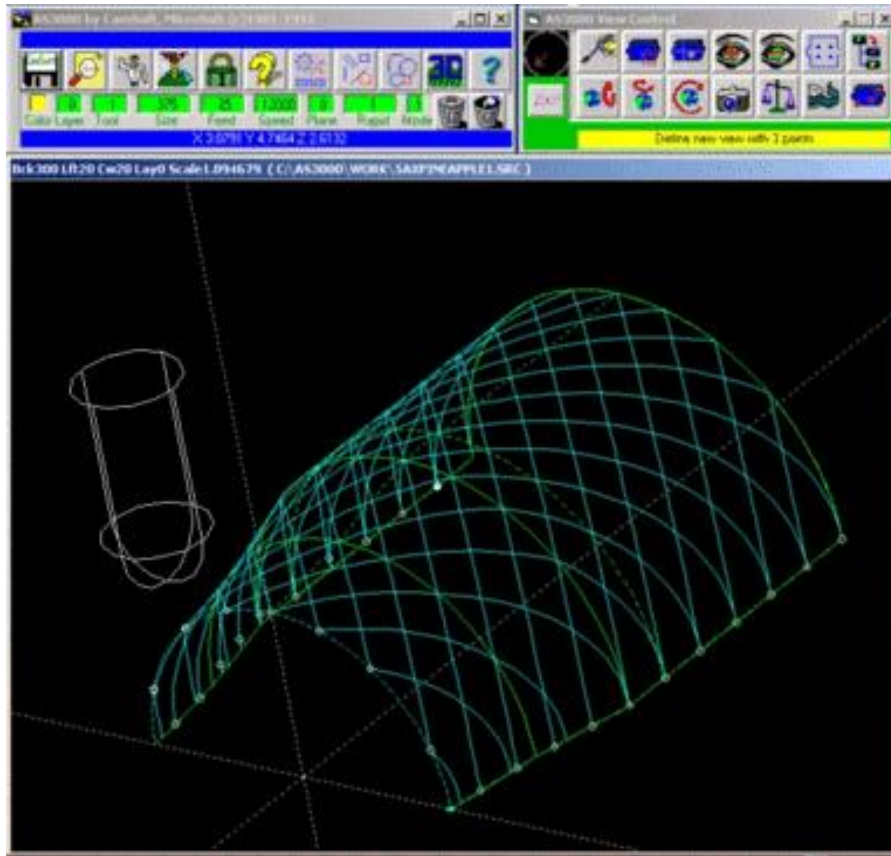*together with*
Advanced System 3000 Multi-Media 3D CAD/CAM
and
4 Axes Coordinated Stepper/Servo Box
plus
USB Jog Stick Hand Held Controller

Operator Interface with Hand Held controller

3D Multi-Media CAD/CAM Drawing/ToolPath System

4 Axes Stepper/Servo box, Digital I/O, power and serial cables

External DSP board generates pulses separately of the computers CPU

USB Hand Held Jog Stick Pendant

Optional Control Enclosure

Pre-engineered, Pre-assembled and cabled
Contains everything you need to be able to control up to 4 axis.
or 3 axis and a slave.
Does not include stepper motors or computer
Every thing else is included inside the enclosure:
4 axis motion card and digital I/O
CNC Lite controller software
Advanced System 3000 CAD/CAM software

USB Jog Stick Pendant
Power supply, wires, cables, Etc.

Features

CNC Lite software, Advanced System 3000 CAD/CAM, USB Jog Stick Handheld Controller, CS 14000 - 4 axes stepper motion board and cables.

Can also control step & direction brush and brushless servo motors up to 20 amps with various step and direction servo drives.

Open and Flexible to change
4 axis hardware and software
Customizable Operator Interface
Create your own Bitmapped Imaged Operator Screen
Have your own logo and product identity displayed
199 customizable G and M codes
Imports 3D DXF, IGES, HPGL, Gerber and CADKEY
3D Graphic Tool Path Simulation
3D CAD/CAM Graphics
3D Drawing and Tool Path
3D Multi-media Windows based CAD/CAM system
Includes HMI for Mills, Lathes, Routers, Flame cutters and Lasers
Runs whole CNC from Hand Held USB Jog Stick Controller
Controls step & direction brush and brushless servo motors up to 20 amps
Speeds up to 100,000 pps
Both serial and power cables provided
User Definable 6 inputs, 7 outputs, 1 overtravel input and 1 E-stop
External DSP board generates pulses separately of the computers CPU
Offer free posts to other model CNCs for better salability
Logic commands to create any routine such as tool changer, homing or probing
Huge Library of pre-written logic routines templates provided
Unlimited G code Program Size
Fanuc type G code
User Configurable G and M codes Table
User Diagnostic Software
Remote machine diagnostics, history and control from XP
Automatic machine maintenance reminders
Remote Machine Monitoring and Diagnostic
Event driven digital I/O logic
No physical PLC or Ladder Logic necessary
Works with Office NetWorks
2 Printed Manuals Totaling 800+ pages
Self Guided Tutorial Manual
Operators and Setup Manual
Complete Electronic Quick Search Database
Expandable with 100% software buy back upgrade policy
Offer other CamSoft upgrade options for high profits
One year free Maintenance/Support/Updates

A few of many options

High Speed Machining up to 3,000 ipm cutting speeds
PCI, EtherNet Style Motion cards
Non-Proprietary Hardware Sources
Many Hardware Vendors for Future Replacement parts
Software Drivers for Analog Servo Drives
Expandable up to 344 I/O with logic
Analog Spindle Speed Control
Multiple rotary tables
CNC Professional software Upgrades
Up to 8 axis motion
Simultaneous 5 Axis CAD/CAM programming
Solid Models and Surfacing CAD/CAM software
Dynamic Feedrate Control
True Type Font Engraving
Raster to Vector graphic image cutting
Automatic Nesting
High Speed Laser Scanning
Probing and Digitizing
SmartPath look ahead optimization
Several handheld, touchscreen, hanging or floor standing operator pendants
Pre-installed/pre-configured MicroSystem computer
Complete Servo or Stepper Motor/Drive Packages
Nationwide On-Site Customer Support or Service

Requirements

Windows based computer running 98SE ,ME ,NT ,2000 or XP
800 Mhz CPU or faster
600 mb hard drive space
CD rom
USB port
9 pin serial port

Detailed Specs

www.cnccontrols.com/cnclite.asp
www.camsoftcorp.com/prod01.asp
www.cnccontrols.com/usbjogstick.asp
www.cnccontrols.com/motionboards.asp

Know the major differences between systems targeting hobbyist.
First we would like to explain what everyone is thinking.
Why are the prices so different?
Is this more than what I need or not enough?
Basically, not all systems are created equal. What matters is that you know the differences.
www.cnccontrols.com/hobby.asp