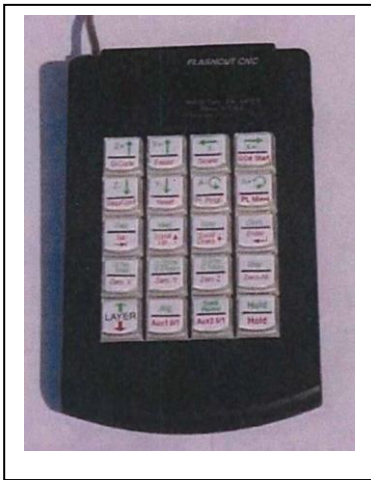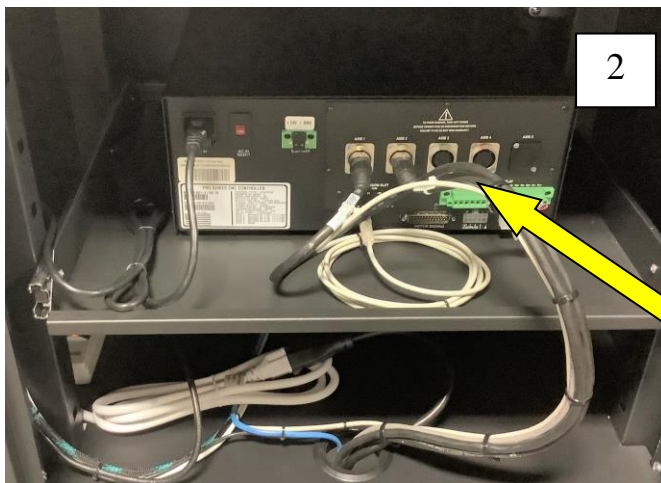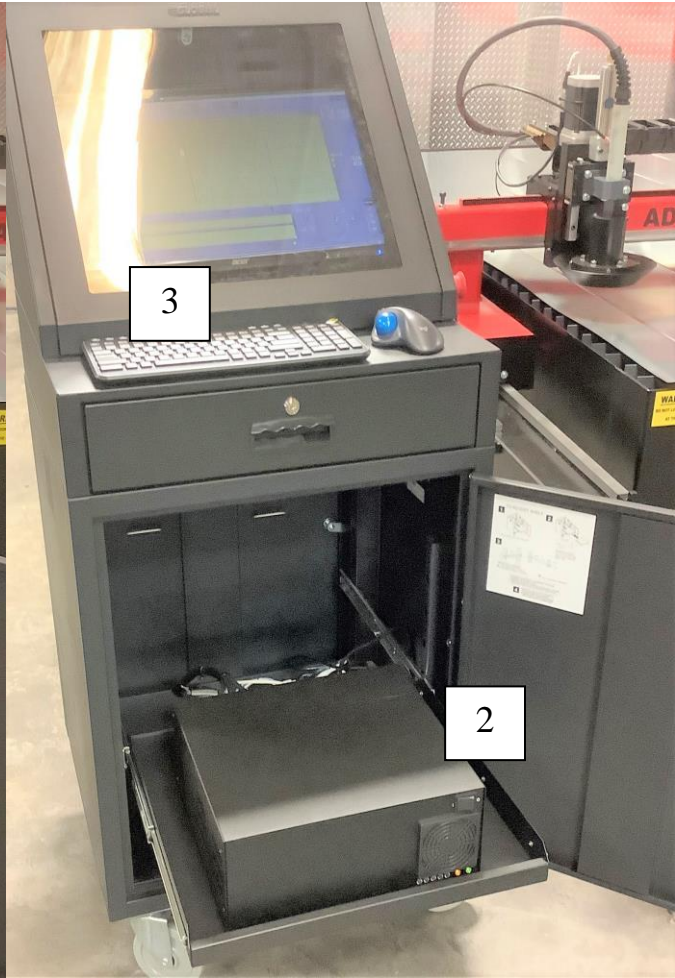# ACS- Color Graphic Control

20 inch Color CRT
4 Axis, 8 amp micro-stepping drive
Motors
Windows 10
Plasma Support Interface
Jump to Line, Dry Run
Momentary Run
Run File Forward and Backwards
Kerf Crossing Detection
DXF/DWG Import
Automatic Kerf Compensation
Overburn Support
Assign Different Operations to Each Part
Cut Sequencing
Operation Sequencing
Custom views of Kerf Width, Cut Direction
Toolpath, Rapids and Part Geometry
Customizable Post Processor

The Control Pendant allows you to move the X and Y axes. The Pendant has a 10 ft cable allowing the operator to manually position the cutting head when not in front of the Controller.

What's inside the Cabinet of the ACS Color Graphic CNC Control?

The ACS-V8-P controller is Windows 10 based and consists of several components:

1: The Windows PC that contains the operation software.

2: The Drive Unit that sends the information to the motors on the machine. This unit has been designed so that if there is a problem it can easily be removed and swapped out with a new drive box by the customer. ACS keeps a stock of drive systems available for fast turnaround.

3: Industrial Keyboard, Roller Ball and large Monitor for easy programming.

Special Note: ACS provides as standard a 4 Axis Drive System. If a drive board should go out, the operator can simply unplug the X or Y motor cable and move it to the back up drive slot, change one parameter in the control and continue in production.

Standard Office Computer System: (connected to shop controller)

Computer System and Printer

- ✓ Office Computer, Windows 10
- ✓ Large hard drive and RAM
- ✓ 10/100 Ethernet
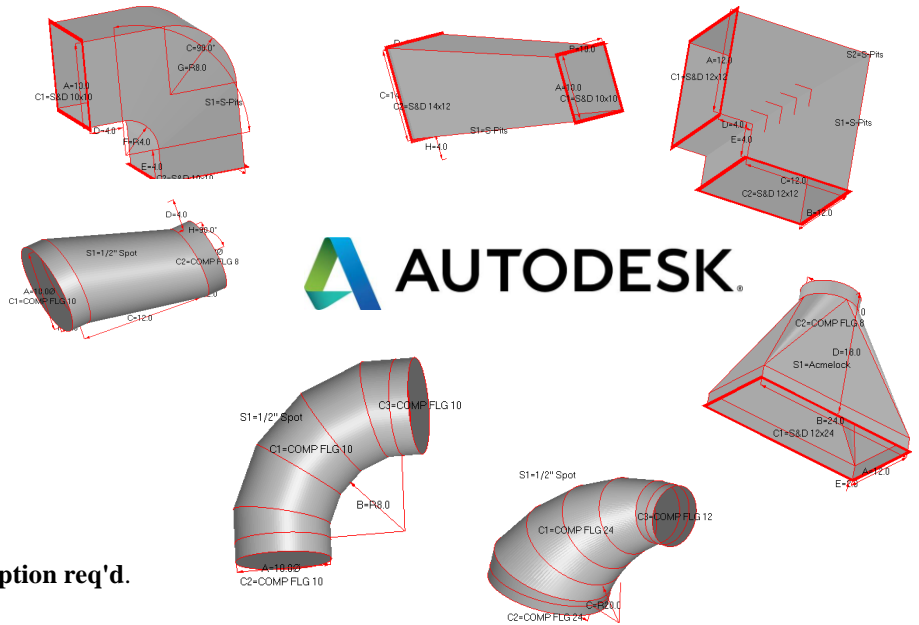- ✓ Keyboard, Color monitor, Printer

The computer and printer are in the office where the AutoDesk Fabrication CAMduct software is installed and where the programmer can concentrate on programming the jobs, printing the reports and printing the labels.

The office computer is connected to the shop computer allowing the operator to download jobs as required. The system also has an automatic download function; the operator just calls up the first sheet and after it is cut the next sheet is ready to process.

AutoDesk Fabrication CAMduct Software

- An AutoDesk Company
- Rectangular Fitting Libraries
- Circular Fitting Libraries
- Oval Fitting Libraries
- Bought Out Fitting Libraries
- Standard Shape Library
- AutoNest
- Manual Nest
- Opus-5 CAD 2-D Drawing Package
- Oversize Part Breakdown Program
- Management Reports
- Add Hole in fittings
- **Perpetual License - no yearly subscription req'd**.
- Internet Help
- First-Year Software Updates Included.
- **FREE** phone, fax & internet support for the lifetime of the machine, to the original owner.

Hypertherm Plasma Units

Plasma Options		Standard Powermax 45xp	Powermax 65	Powermax 85	Powermax 105	Powermax 125	MaxPro 200
Capacity	Output Cutting Amps	10 to 45	20 to 65	25 to 85	30 to 105	30 to 125	50 to 200
	Max Capacity (Not normal day to day cutting)	5/8"	3/4"	1"	1.25"	1.5"	2"
	Recommended up to	3/8"	1/2"	3/4"	7/8"	1"	1 1/4" Dross Free in 3/4"
	Input power phase	Single	Single /Three	Single /Three	Single /Three	480/3/60 Only	Three