

RETRO SYSTEMS

MACHINE MOUNTED *MicroEDGE* CNC Control

DESCRIPTION:

The Retro Systems CNC control uses the **Phoenix** PC based motion control software designed specifically for the metal cutting industry by Hypertherm, the world leader in plasma cutting technology.

Our open architecture PC from Hypertherm enables the use of a standard ELO 15" LCD monitor and a standard keyboard and mouse. CNC files may be transferred to the control using the Floppy Drive, CD-ROM/DVD, USB port or RJ45 network connector.

The 15" ELO monitor is mounted into the left side of the inclined console face plate. Touch screen is optional. Placement of oxy-fuel and plasma operator controls and switches is machine configuration dependent.

With unparalleled ease of use, the **Phoenix** screens prompt the operator to select material type, material thickness, cutting amperage and gas selection from the CUT CHART screen. Process Parameter tables within the **Phoenix** software set and control cutting process and motion control variables delivering Total System Integration.

With 68 shapes in the library, Point & Click import of CNC files from a network or memory stick, on-screen basic nesting and the power of a PC running Windows XP Embedded, the Retro Systems CNC control is ready for production.

The CNC control is interfaced to powerful AC servo drive amplifiers mounted inside an enclosure either at the rear of the cutting machine or on the back deck of the cutting machine.



STANDARD CNC CONTROL FEATURES:

CNC software	Hypertherm Phoenix CNC software
Operating system	Microsoft Windows XP® - Embedded Version
Processor & memory	Intel 1.3 Ghz Celeron Mobile, 512 Megabytes RAM
Hard drive	60.0 Gigabyte Hard Drive or greater
Monitor	15" LCD Touch Screen monitor
Ports	(5) 2.0 USB, (1) RJ-45 Network, (2) Serial-9 Pin
RFI/ EMI shielding	Machine side Opto-Isolation: grounding
Input power	115VAC / 230VAC single phase, selectable
CAD Import	On-screen DXF file to NC file converter
Nesting	On-screen True-Shape Parts-in-Parts Automatic nesting
Shape library	68 shapes including text
Torch height control	Integrated SENSOR plasma torch height control software
Keys & Switches	Plasma / Oxy-fuel switch, Plasma Torch Up/Down, Oxy-fuel Torch Up/Down, E-stop, Smoke collector On/Off (optional)