ITT

BURNY

X L
PANEL PC

The most advanced technology in PC-based controls for maximizing productivity, improving quality, and reducing costs!

BURNY XL

The Burny XL is a Panel PC CNC product designed for machine builders who want to customize the look and feel of their machine. Two offerings with this platform enable you to get the control layout that is right for your application. An integrated solution comes with a PC attached to the LCD where as the remote model makes an aesthetic look that is all your own. The XL provides the latest advances in CNC technology including Burny CAP and Dynamic Bevel to drive down production costs and increase productivity.

Utilizing Windows® XP Embedded, the XL produces extremely precise and repeatable motion control and it contains many features not found in other numerical controls such as the only true multitasking control system on the market, DXF/DWG conversion, Advanced Plasma Process technology with an embedded material database, and I/O mapping capabilities with Burny CAP.

The Burny XL can operate any cutting machine and interfaces with most processes including: oxyfuel, plasma, waterjet, drills, and markers. Supported by Burny's extensive staff of experienced in-house engineers and service technicians, the XL is ready to perform for you today!

As a premium member of the Burny family of numerical controls, the Burny XL continues a 35-year history of improving the productivity and increasing the profits of our worldwide customer base. In addition to our industry leading line of numerical controls, Burny also offers drive systems, AC and DC motors, gearboxes, torch stations and height control systems. Demand Burny and contact us today to learn more about the value only Burny can provide.

INTEGRATED	REMOTE

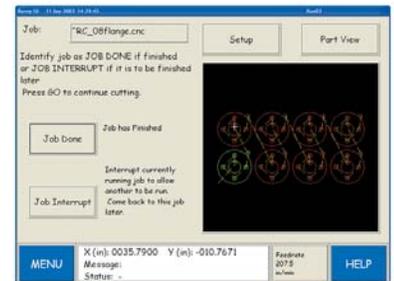Back panel not shown

Back panel not shown

AVAILABLE FEATURES
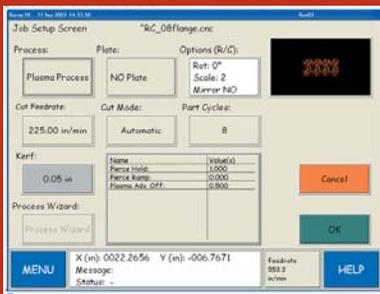
Bright Touch Screen Interface

With a 10.4", 15" or 19" industrial-grade touch screen, the XL provides an extremely user-friendly machine interface. The wide viewing angle and high resolution graphics generate a bright display even in the harshest shop floor environment, allowing operators to easily and effectively move through the menus and guide the cutting machine.

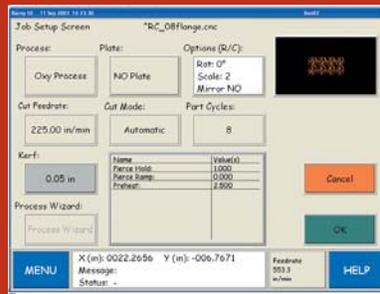**Full Color, Interactive Graphic Display**

Eliminate dry runs and confirm the part program before cutting them with the XL's full color graphic display. View the cut path in real-time and monitor cut progress. Use the zoom tools to verify part spacing and eliminate wasted or unusable material.
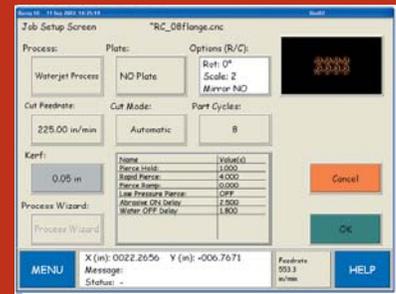
Full Color Graphics

Plasma

Oxy/fuel

Waterjet

Burny CAP (Custom Application Program) *[1]

Burny CAP is a soft programmable logic controller (PLC) that can be built into the XL control to provide maximum expandability. The HMI is customizable for multiple screens and replaces the need for an external PLC. Replace expensive custom PLC touchscreens with Burny CAP for a truly integrated product. The Burny XL communicates with the most popular ethernet modules, has I/O and drive connectivity and supports multiple interfaces simultaneously making it the most flexible CNC platform on the market today.

Advanced Plasma Process Control *[2]

The Plasma Process Wizard integrates automatic gas regulators and secondary height control remotes into a streamlined, state-of-the-art software package. Simply choose your material, thickness, and amperage right at the Burny. By sending the cut chart data to the plasma power supply from our embedded material database, all of the appropriate gas pressures, feedrates, and kerf values are adjusted to the perfect setting for that type of material making you an instant expert in plasma cutting.

Advanced Command Messaging (ACM)

Superior hole capability and fully automatic plasma control is the result of Burny's Advanced Command Messaging. ACM is a series of messages that are embedded into a part program to create on the fly plasma and job setting changes. These changes can mean the difference between a good hole or bad hole and long or short consumable life.

Fast DXF/DWG File Conversion

The XL accepts direct downloads of CAD files, which reduces the expense of third-party post processing software. Furthermore, the XL can automatically assign Lead In/Lead Out positions or the leads can be assigned in the drawing.
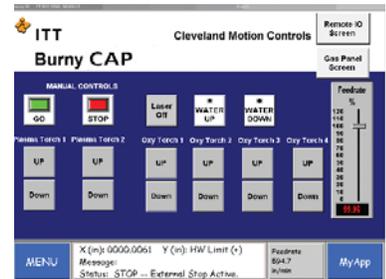
Advanced Nest Navigation

Interrupt the current cutting routine to cut a new part, move ahead multiple pierce points, recover from cut loss, recover from power loss, change torch consumables, interrupt a long nest, jump to the end of a part or nest, reverse cutting path—all quickly done at the touch of a button without losing machine position and without scraping valuable material! Up to 18 programmable home positions can be used for multiple cutting tables, part start locations, consumable change areas, or remote park positions.
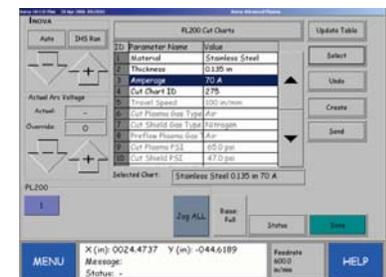
Dynamic Bevel *[3]

The Burny XL boasts advanced bevel logic capabilities using A, B, and C axes. This system is based on a SERCOS interface that requires very little electronic hardware on the CNC and is easy to configure for multiple bevel heads whether coordinated, mirrored, or slaved. The XL's very versatile bevel logic, for support of up to 22 axes, can be configured for most any mechanical design making XL customizable and extremely flexible.

Axis Compensation

Add Axis Compensation to your Burny XL to remove gearbox backlash and repeatable mechanical errors in all axes including bridge bow. Reverse Axis Compensation can further increase your machine repeatability removing virtually all mechanical errors.

Burny CAP [1]

Plasma Process Wizard [2]

Plasma Consumable [2]

Beveled Cut Sample [3]

OTHER ADVANCED FEATURES

- Networking via Wireless or Fiber
- Remote Diagnostics
- Automatic DWG/DXF CAD file conversion
- 10-minute Quick System Recovery

- Job Interrupt and Power Loss Cut Recovery
- 50 Standard Shapes
- Programmable Laser Offset for Fast Part Alignment
- Load other 3rd party program/application software

TRUE SHAPE NESTING (optional)

True shape embedded nesting increases flexibility and productivity in the XL control.

PRODUCTIVITY TRACKING (optional)

An embedded productivity tracking utility allows companies to monitor the actual productivity of the machine by a network connection. This feature can help identify bottlenecks on the shop floor.

OTHER WINDOWS ® XP EMBEDDED FEATURES

The Burny XL utilizes Windows ® XP Embedded, which provides the ability to take advantage of several productivity tools including remote desktop and USB (Universal Serial Bus) devices. Remote desktop provides the ability to access and operate a remote computer from the XL while USB memory devices provide easy program transfer at the fastest download speeds available.

HARDWARE PLATFORM

- Interface: 10.4", 15" and 19" with USB Touch Screen
- Processor: 1.8 GHz Intel Mobile (or faster)
- Memory: 1 GB DDR RAM (or greater)
- 80GB or greater SATA hard drive
- Operating System: Windows® XP Embedded
- Connectivity Options: USB, Network Ready (Optional)
- 2ms SERCOS cycle time
- 1ms analog cycle time
- 24 standard I/O—choice of relay or transistor outputs
- Distributed Ethernet I/O—almost infinite in number
- Physical Controls: OEM User Supplied
- Weight:
  - Integrated 19" - 38lbs. (17.24 kg)
  - Integrated 15" - 32lbs. (14.51 kg)
  - Integrated 10.4" - 26lbs. (11.79 kg)
- Power Required: 115/230VAC Auto Switching @ 50/60 Hz
- Operating Environment: 32 to 122°F (0 to 50°C) 95% Humidity (Non-Condensing)
- Partial List of Operating Languages: Swedish, French, Russian, Spanish, Chinese, Italian, Norwegian, and German.
- CE Compliant

KALIBURN Companion Products

(KALIBURN is now part of ITT Corporation)

"When others fall short, the Spirit lives on," delivering virtually dross free cuts with minimal cut face beveling (≤ 2°). Whether cutting gauge thick steel with exceptional edge quality, precisely cutting 1" (25.0 mm) steel at 85 IPM (2.2 MPM) or processing 2" (50.0 mm) steel at speeds that make other processes look obsolete, we have a system for you.

The KALIBURN INOVA includes a fully-programmable microcontroller, complete with interfacing for 8 torch stations. Program as few as 3 functions and you're up and running. You get precision and stability for all plasma cutting, including high current density applications. It offers a state-of-the-art anti-collision system to protect the torch, and an optional remote control with touchscreen to give you greater flexibility. The INOVA can be fully integrated into the ProLine gas console, greatly simplifying installation.

Two Brands. One Company.

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Cleveland Motion Controls is now part of ITT Corporation