

BURNY 10 LCD Plus

SHAPE CUTTING MOTION CONTROL



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

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DEMAND BURNY



The BURNY 10LCD PLUS has taken the next step in PC-based motion control. Designed for multiple axis cutting machines, the PLUS features the latest advances in CNC technology on a proven platform, which is engineered to increase productivity and reduce costs.

The PLUS is an industrial grade PC, designed to operate in extreme shop environments where temperature and humidity extremes, metal dust, RF radiation, vibration, and constant machine movement are commonplace. It is easy to learn, easy to use, and allows multiple control and programming tasks to be completed simultaneously.

With a Windows® XP Embedded operating system, the BURNY 10LCD PLUS produces extremely precise and repeatable motion control. The results are clear-the highest accuracy and the tightest tolerances-even on the most complicated parts.

The BURNY 10LCD PLUS can operate any cutting machine and interfaces with virtually all processes including: oxyfuel, plasma, laser, waterjet, routers, punches, drills, knives, and markers. It is available as an upgrade to existing machines or can be delivered on a new machine. Backed by Burny's extensive staff of experienced in-house engineers and service technicians, the PLUS is ready to perform in your shop today!

As the premier member of the Burny family of numerical controls, the PLUS continues a 30-year history of improving productivity and increasing profits worldwide. This rich history and extensive knowledge-base uniquely positions Burny to be your total solutions provider; whether you need drive systems, AC and DC motors, gearboxes, or torch stations and height control systems. Demand Burny by contacting us today to learn more about the value that only Burny can provide.



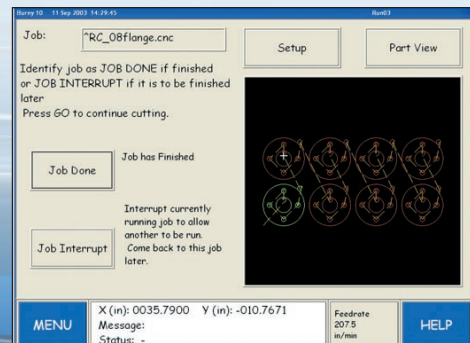
STANDARD FEATURES

Large, Bright Touch Screen

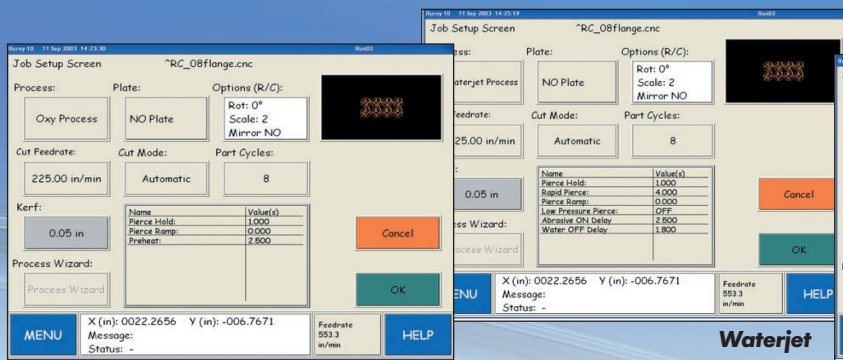
With a 15" (381 mm) industrial-grade touch screen, the PLUS provides an extremely user friendly machine interface. The wide viewing angle and high resolution graphics generate a bright display even in the harshest shop floor environment, allowing operators to easily and effectively move through the menus and guide the cutting machine.

Full Color, Interactive Graphic Display

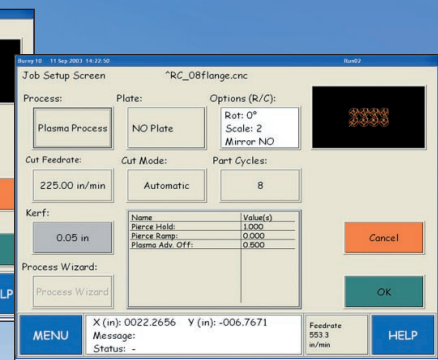
Eliminate dry runs and confirm the part program before cutting them with the PLUS's full color graphic display. View the cut path in real-time and monitor cut progress (especially important with underwater plasma). Use the zoom tools to verify part spacing and eliminate wasted or unusable product.



Full Color Graphics



Oxyfuel



Plasma

Process Control

This extremely powerful feature provides precise control over the settings used in oxyfuel, plasma waterjet and other cutting processes. Cutting parameters such as Voltage, Current, Cut Gas, Secondary Gas, Travel Speed, Torch Height and others can be imbedded into the part program. Process Control results in consistent cut quality, the elimination of setup errors, and produces optimum conditions for achieving maximum consumable life and superior cut quality.

Quick Plate Alignment

Quickly compensate for plate that is not aligned properly on the machine. The PLUS rotates the part program for proper placement on the true plate position. With a few simple screen prompts the PLUS rotates the part program for proper alignment with the plate. Virtually drop the plate and cut. This saves material and wasted time moving the plate into the correct cutting position.

Expandable Shape Library

Allows commonly used standard shapes to be designed right at the control. Touch the screen to input the required dimensions and follow a simple logical prompting process. Shapes are graphically displayed with dimension lines to assist the numeric entry process. A dynamic display draws the shape, which reduces guesswork. Now even complex shapes can be made consistently and accurately.

True Multitasking Environment

Increase operator productivity by performing many different tasks within the Windows® XP Embedded environment. Load a new part program, create or edit a part program, choose a new part program from the shape library, create or edit a program nest, check production messages, fill out productivity sheets, monitor consumables life—all at the same time and all while the machine is cutting!

Other Windows® XP Embedded Features



The BURNY 10LCD PLUS 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 BURNY 10LCD Plus while USB memory devices provide easy program transfer at the fastest download speeds available.

Fast DXF File Conversion

The PLUS accepts direct downloads of CAD/CAM DXF files, which reduces the expense of third-party post processing software. Further, the PLUS can automatically assign Lead In/Lead Out positions—or the operator can make these assignments manually.

Go To

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!

Monitor and Track Consumables

The BURNY 10LCD PLUS tracks torch consumable usage and can alert the operator when a consumable change is required. This feature will maximize consumable life and torch life. In addition, cut quality and part accuracy can be held to the highest levels.

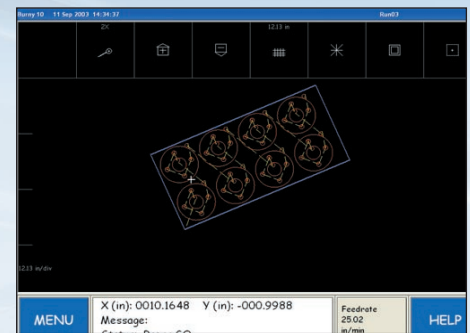
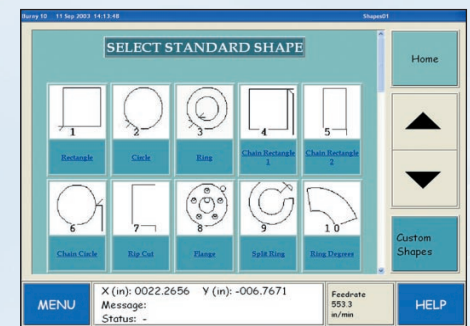
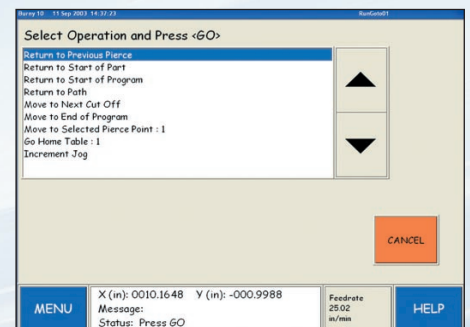


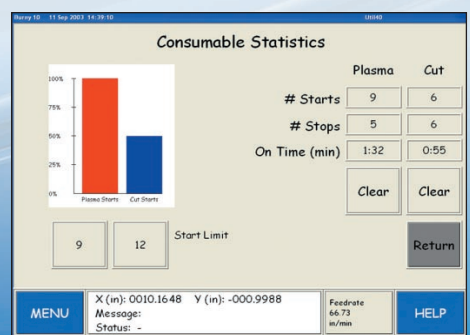
Plate Alignment



Shapes Library



Go To



Monitor Consumables

OPTIONS

Networking

Harness the power of network connectivity by quickly accessing remote files and directories directly from the BURNY 10LCD PLUS or connect the PLUS to other computers via the same network. Increase programming flexibility with the ability to download programs and information from remote locations. With network connection speeds, program transfer takes just seconds, even for large part programs. Further, take full advantage of wireless connections and eliminate potential RF interference and cable maintenance.

MTC's TurboNest BE

Increases plate utilization by 10% or more! The PLUS can be equipped with true shape automatic nesting. Additional cost savings can be realized when TurboNest BE is used in conjunction with the multitasking feature. The operator simply selects plate size and parts and TurboNest BE automatically places the parts for an upcoming job, while the machine is cutting. In addition, the PLUS can be configured for remnant nesting. Just outline the remnant and use TurboNest BE to automatically place parts on the remnant plate—quickly turning scrap into dollars!

SERCOS Digital Drives

The BURNY 10LCD PLUS uses the latest in motion technology and can be interfaced to several digital drive solutions including SERCOS. The advantages of digital drives include: serial communication by way of fiber optic ring that simplifies the machine wiring and eliminates potential RF noise in the drive system. The PLUS digital drive solution provides the most rapid and accurate motion updates available. Motion using digital drives provides the highest update rate and yields the most precise machine movement resulting in maximum cut quality.

JobTrak

Burny JobTrak allows you to monitor the cutting machine's productivity in real-time. Track actual cutting time, downtime, and receive detailed reports on actual job related costs. JobTrak provides the tools that allow you to pinpoint bottlenecks in cutting efficiency and gives you the ability to increase profits by making informed decisions regarding workflow on the shop floor.

Axis Mapping

Performed in conjunction with a laser measuring system, positional data is accessed by the BURNY 10LCD PLUS to modify the programmed cut path thus compensating for inaccuracies in the machine, rails, or torch stations. This option produces even higher accuracy, higher quality, "straighter" parts, and less scrap/rejects.

BURNY CAP

Burny CAP, a Configurable Application Program, is a proprietary program that allows machine functions to be customized to meet any requirement. CAP eliminates the need for additional PLC controls for logic interface and sequencing. In addition to enhancing the flexibility of machine functions, CAP simplifies the machine construction for added reliability and lower maintenance costs. CAP operates by way of fiber optic serial communication and provides unlimited input/output capability using Ethernet and other serial communication protocols.

HARDWARE PLATFORM

- **Interface:** 15" TFT USB Touch Screen
- **Processor:** 2 GHz Intel® (or faster)
- **Memory:** 256 MB DDR RAM
- **Operating System:** Windows® XP Embedded
- **Storage Space:** 30 GB Hard Drive (or larger)
- **Connectivity:** USB, 3.5" Floppy Disk Drive (standard), Networking (optional)
- **Physical Controls:** 8 Direction Keypad, Start, Stop, Go To, Reverse, and Feedrate Potentiometer (optional)
- **Enclosure:** High Temperature and Humidity, Metal Dust, RF resistant (plasma), vibration/movement. Contain high voltage/high current outputs for plasma, waterjet, oxy fuel and other processes.
- **Physical Dimensions:** 18.3" (465 mm) wide, 14" (356 mm) high, 12" (305 mm) depth
- **Weight:** 32 lbs (14.5 kg)
- **Power Required:** 115/230 VAC @ 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**



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