



ITT

BURNY

DAGGER NC
NC Controller



The productivity of a high end control in an affordable, flexible package.

Burny DAGGERNC™ is the most compact controller on the shape cutting market. The DAGGERNC™ offers easy relay based I/O, support for advanced plasma features and integrated torch height control (Burny SmartHC™).

The DAGGERNC™ is an affordable NC Control designed for machine builders who need superior cutting control at a fraction of the price of a traditional high-end plasma cutting system.

The DAGGERNC™ control 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 DAGGERNC™ is ready to perform for you today!

As a member of the Burny family of numerical controls, the DAGGERNC™ 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.



STANDARD FEATURES

Burny's Shape Cutting Human Machine Interface (HMI)

Burny DAGGERNC follows the tradition of Burny's PC based lineup by providing an intuitive and easy-to-use HMI while creating flexibility and maintaining functionality for machine builders. DAGGERNC is the next generation in PC-based shape cutting control.

Burny Reliability Built-In

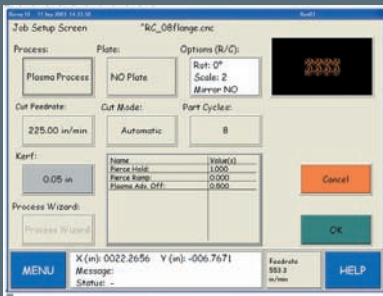
Windows XPe built on Compact Flash takes hard drive failures out of the picture with a solid state solution which cannot be affected by vibration and is more tolerant of temperature variations. Burny has analyzed common field failures and provided safeguards in the DAGGERNC control to provide a reliable shape cutting solution.

Wireless Flexibility by Burny

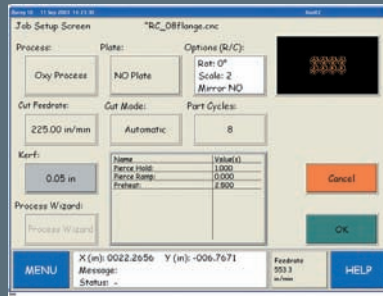
Wireless technology is now built into the DAGGERNC so that you can make the most of your business network. A wireless connection on Burny controls provides a maintenance free connection to your network so that you can improve productivity on your machine.

Integrated Relay Logic

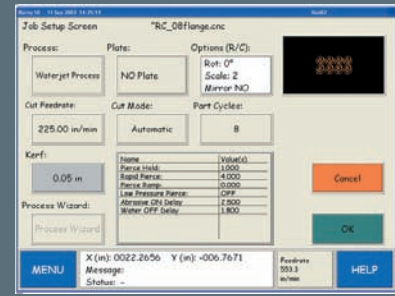
Connections to DAGGERNC are easier than ever by providing you relays for cutting outputs instead of transistor logic. Transistor outputs often cannot provide enough power to connect to cutting solenoids directly so an additional layer of wiring and components must be added. With DAGGERNC, wiring is improved with less connections and therefore, provides higher reliability at a lower cost.



Plasma



Oxyfuel



Waterjet

True Multitasking Environment *1

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 consumable life—all at the same time and all while the machine is cutting!

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 scrapping 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.

On Screen I/O Mapping *2

Quickly and easily configure I/O points for different functions right on the controller. This allows you the flexibility to arrange the I/O points in a fashion that fits the needs of each application.

Fast DXF/DWG File Conversion

The Burny DAGGERNC accepts direct downloads of CAD files, which reduces the expense of third-party post processing software. Furthermore, the DAGGERNC™ can automatically assign Lead In/Lead Out positions, or the lead configuration can be assigned in the drawing package.

Advanced Plasma Process Control *3 - optional

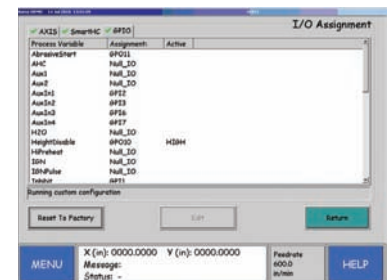
The Plasma Process Wizard integrates automatic gas regulators and secondary height control remotes into a streamlined, state-of-the-art software package. Simply choose your material, thickness, and amperage right at the Burny. By sending the cut chart data to the plasma power supply from our embedded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

Advanced Command Messaging (ACM) - optional

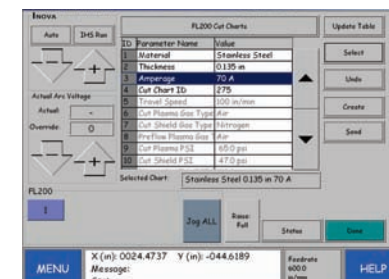
Superior hole capability and fully automatic plasma control is the result of Burny's Advanced Command Messaging. ACM is a series of messages that are embedded into a part program to create on-the-fly plasma and job setting changes. These changes vastly increase precision hole quality and extend consumable life.



Multi-Tasking 1



I/O Mapping 2



Plasma Process Wizard 3



Plasma Consumable 3

OTHER AVAILABLE FEATURES

- Networking via Wireless
- Remote Diagnostics
- Automatic DWG/DXF CAD file conversion
- 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 DAGGERNC™ 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.

HARDWARE PLATFORM

- Processor: 1.6 GHz Intel® Atom
- Memory: 1 GB
- Operating System: Windows® XP Embedded
- Storage Space: 16 GB Compact Flash
- Connectivity: Wireless networking standard
- Enclosure: High Temperature and Humidity, Metal Dust, RF resistant (plasma), vibration/movement.
- Physical Dimensions: 18.4"LX 10.73"W (12" including flanges) x 7.47"D
- Weight: 21lbs. (41kg)
- 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: Chinese, French, German, Italian, Norwegian, Russian, Spanish and Swedish
- CE Compliant

OTHER WINDOWS ® XP EMBEDDED FEATURES

The DAGGERNC™ 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 DAGGERNC™ while USB memory devices provide easy program transfer at the fastest download speeds available.

KALIBURN Companion Products



KALIBURN DAGGER 100™

Mechanized plasma system for cutting metal

FEATURES

- Auto-voltage automatically adapts to any incoming power from 230 V – 575 V, 3-phase
- Impulse (patent pending) starting circuit
- Engineered for mechanized cutting
- Mark/cut capability

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