BURNY™ CNC CONTROL 2.5

50 preprogrammed shapes are just the start of its magic

Numerous Standard and Optional Features

You don't need a computer wizard to operate the new BURNY® 2.5. It's the easiest to use, and most cost-efficient CNC control available today for X-Y coordinate drive shape cutting machines: oxy-fuel or plasma. By a simple touch of the front control panel, an operator can conjure up to 50 commonly used shapes from its library storage, specify the respective dimensions, and then input the number of parts to be cut. Chain cutting of selected parts is just as easy. And with options, you can create and edit programs, receive downloaded information and even conduct two-way communications with off-line programming systems.

Oxy-fuel flame cutting machine

Over 40% Cost Savings

But there's no magic to how you'll save money and dramatically reduce production costs: Faster set-up. Precision tolerances. Consistent accuracy. Increased productivity. The elimination of templates. And reduced scrap.

Order the BURNY 2.5 with new machinery or to retrofit existing machines. Either way, it's priced within your reach and will pay for itself within months.

Let Us Help You Control Tomorrow ... Today

For more information about the BURNY 2.5 CNC Control, as well as more information about our complete line of CNC Controls and associated hardware for shape cutting, contact us today. We can help you cut a more profitable future.

Burny Division
Cleveland Machine Controls, Inc.
7550 Hub Parkway / Cleveland, OH 44125
Fax: (216) 642-2199
Telephone: (216) 524-8800.

BURNY PUTS YOU IN CONTROL

CMC CLEVELAND MACHINE CONTROLS

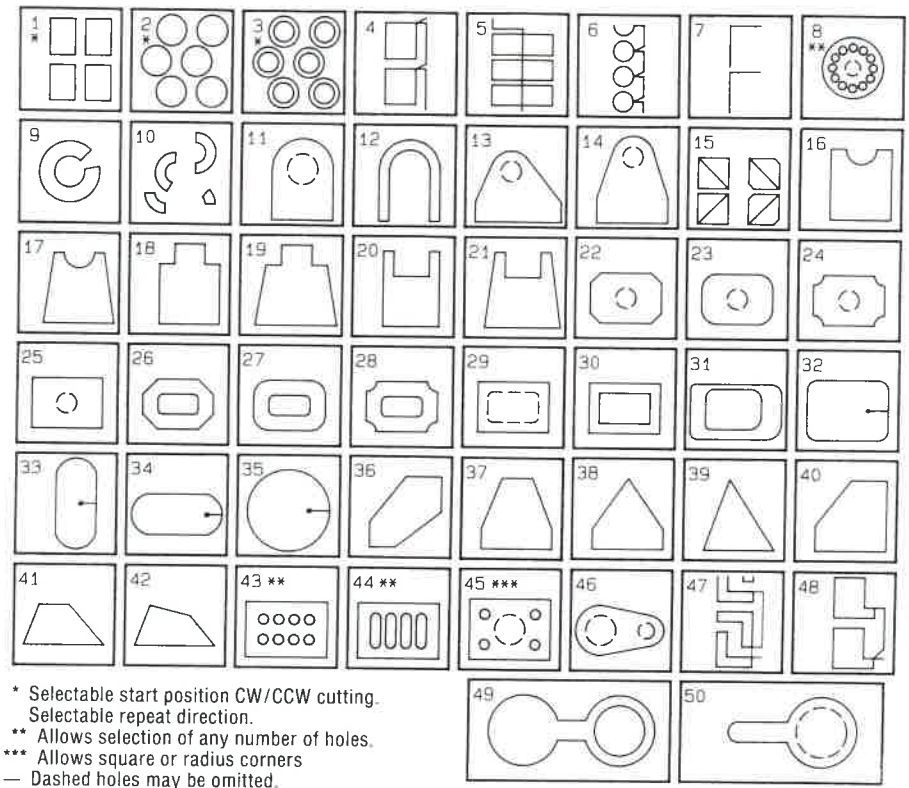
Distributed By:

BURNY 2.5 CNC CONTROL

61K Memory and BURNY 50 Shape Library

Your BURNY 2.5 CNC Control comes standard with 61K of non-volatile part storage memory and a built-in library of 50 commonly used shapes, i.e., circles, rings, rectangles, gussets, flange with bolt holes, etc.

Each shape can be easily selected on the front panel and then programmed for its specific dimensions. The chart below displays all of the shapes you can select from, and details standard cutting options available for various shapes.



* Selectable start position CW/CCW cutting. Selectable repeat direction.
** Allows selection of any number of holes.
*** Allows square or radius corners
— Dashed holes may be omitted. Corner radius may be set to 0 for sharp corners.

For New Or Existing Machinery

BURNY 2.5 can be utilized as a retrofit for your existing shape cutting machine, or can be ordered from the manufacturer with new machines. Either way, it can be fully operational and learned by your operator within just a few days. And, BURNY 2.5 can easily pay for itself within the first year.

Durable Construction

BURNY 2.5 is ideal for even the most demanding industrial environments. Its membrane keyboard keeps the CNC Control completely sealed from dust, oil, and other contaminants.

Numerous Features; Various Options

Audio indication when keys are pushed, selectable kerf compensation, automatic lead-in and lead-out, chain cutting, step-and-repeat and template teach are just some of the many standard features. Create/Edit (MDI) programming with program scaling, mirror imaging, rotation, automatic plate alignment, and complete RS-232/422 serial communications are all available as options.

STANDARD DESIGN AND CONSTRUCTION FEATURES

1. Two-axis control
2. CNC-Microprocessor based system
3. Executive operating program stored in non-volatile EPROM
4. State-of-the-art displays:
   a) Full ASCII vacuum fluorescent display
   b) High intensity LED indicators
5. 50/60 Hz 115/230 VAC power requirement
6. State-of-the-art IC's , LSI and VLSI
7. TENV cabinet
8. 110 degree F ambient
9. Sealed digital feedback encoders (0.0025 is sampling increment)
10. Membrane keyboard
11. Non-volatile part storage:
    a) No part storage memory loss if input power fails
    b) Battery backup
12. Self check on power up
13. Audio indication for key pushed
14. Multilevel EMI protection systems

STANDARD OPERATIONAL FEATURES

1. Prompting:
   a) User friendly in English language
   b) 16 character readout displays prompts
2. BURNY 50 Shape Library:
   a) Direct front panel selection
   b) Chain cut or selectable step and repeat
   c) Selectable start point on some shapes
   d) Selectable repeat direction on some shapes
   e) Selectable automatic lead-in/lead-out dimensions
   f) Built-in strip mode
3. Inch/Metric operation selectable
4. Choice of automatic, manual and test run with manual entry of:
   a) Selectable preheat time with override capability and selectable pierce ramp speed
   b) Purge delay time for plasma systems
   c) Selection of number of parts to be cut
5. Displays:
   a) Absolute dimensions
   b) Machine status
   c) Program status
   d) Cutting status
   e) Digital cutting speed
   f) Part library
   g) Preheat/Purge delay time
   h) Memory status
   i) Amount of memory remaining
   j) Program size in part storage memory (individual)
6. Automatic accel/decel on corners:
   a) Slowdown ramp and accel time selectable
   b) Plasma height sensor disable contact activates during slowdown
7. Return to pierce point or start position (home)
8. Automatic "cut row" count
9. Full back up along programmed path
10. Automatic or manual lead-in ability - Allows interlocking lead-in to be used to minimize plate warpage
11. Automatic return to cutter path from jog position (useful when cleaning torch tips)
12. Dynamic repositioning ("Move Over") during test run or single step mode.
13. Test run mode: Part is executed but all cutting functions are suspended
14. Single step mode: Block by block verification of the program path
15. Extensive built-in diagnostics and calibration
16. Template teach (digitizing)
17. Selectable kerf compensation
18. 61K Part storage memory -- non-volatile

OPTIONS

1. Create/Edit program (MDI front panel)
2. Program scaling (.001 to 65)
3. Automatic plate alignment
4. Program mirror imaging (x/y axis mirror)
5. Program rotation in .01° increments
6. 252K memory expansion
7. Foreign language prompting - Consult factory
8. Plasma interface
9. RS-232/422 serial communications with:
   a) Standard upload/download capability
   b) Enhanced "Program calldown" capability
10. Transmission isolation/short haul modem

Note: In an effort to keep our products updated with the latest in technological advancements, we reserve the right to change or modify the specifications above without notice. Please consult the factory before ordering.

Burny Division
Cleveland Machine Controls, Inc.
7550 Hub Parkway
Cleveland, OH 44125 U.S.A.
Fax: (216) 642-2199/Service: (216) 642-2198
Telephone: (216) 524-8800

CMC GmbH
Burny/Etek Division
Stadtring 254
D-6120 Michelstadt, Germany
Fax: 06061-2750
Telephone: 06061-71036

Burny International
Seattle Office
23327 19th Place West
Seattle, WA 98021 U.S.A.
Telex: 31-7746/Fax: (206) 485-8852
Telephone: (206) 485-2141

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