

BaumCut 22E & 22N

Smaller Format Cutting Solutions



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BaumCut 22 Paper Cutters . . .



Baumcut 22E

BaumCut 22 E and N Series programmable cutters are efficient, compact and easy to operate with minimal maintenance. Both models provide heavy-duty, fully hydraulic features that also include multiple, easy programming capabilities that can store up to 198 programs on the "E" series and unlimited programs on the "N" series.

The BaumCut offers high productivity precision cutting with maximum safety in mind. Standard safety features include infrared safety light beams, two hand timed cut release and an enclosed, see-thru rear table help insure operator safety. Noise levels are kept to a minimum since the motor runs only during cutting operations.



22 Table

The BaumCut table features a maintenance free, non corrosive, stainless steel design that does not require waxing or special cleaning. The table design is slot-free to eliminate stumbling of the bottom sheet while turning the lift during cutting.



Exclusive Easy Knife Leveling

Easily accessible eccentric adjustment from the front of the cutter provides knife leveling with **no screws to adjust.**



Knife Change & Clamp Pressure Adjustment

Easy knife change and clamp pressure adjustments are made from the front of the cutter.

Programming is easy on both models. There are multiple methods to enter and store programs that include cut and record, manual line item entry and use of block programs that step you through what is needed. The "N" series has all of the programming methods previously described and also includes a unique barcode reader and JDF capability to send programs to the cutter via a digital workflow.

Both models feature easy knife change, a large well lighted table and clear LED cut line light.



Baumcut 22N



Spring-loaded Backgauge Fingers

Every backgauge finger is spring-loaded to prevent the bottom sheet from sliding underneath.



Safety False Clamp Plate

Installation and removal are easier and safer with the exclusive detent design. Simply press the detent locations with a common screwdriver to release the false clamp plate.



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an investment in quality, precision & performance

BaumCut 22E & 22N Controls



The BaumCut 22E Microprocessor Control provides many features for your demanding applications:

- 198 programs for storing separate jobs
- 6464 total cut step memory
- Automatic and manual cutting modes
- 999 maximum cut steps per program
- Records total number of lifetime cuts
- Records total number of knife changes
- Adjustable clamping time for extra air escape
- Adjustable knife resting time
- Block programming
- Jogging mark notation in cutting programs
- LCD readout display
- Membrane touch panel keypad
- Can enter and divide fractions into decimals
- Push-out programming steps
- Program protection
- Pop-up window for maintenance reminder



The BaumCut 22N provides all of the control features of the 22E in a convenient touch screen control panel, then adds more productive features:

- 18.5" touch-screen color display
- Bar code reader
- Computer network capability
- Fully programmable microprocessor control
- 1,998 programs [unlimited w/ESPV Compucut]
- False clamp plate
- Eccentric knife levelling
- Non-corrosive stainless steel table
- No slot in table
- Powered backgauge with direct positioning
- Fully hydraulic knife and clamp
- Fraction input w/automatic decimal conversion
- Adjustable clamp pressure
- Lifetime cut counter
- Quiet operation, hydraulic pump runs only during cutting
- Adjustable knife cycle timing



BaumCut "N" Series Overview

BaumCut 22N Series Cutters enable integration through a digital workflow for cutting programs with features not found on the BaumCut "E" series cutters. Cutting programs can be generated using a JDF file from prepress or built off line using the Baum Compucut program. The programming time for the cutter operator is eliminated giving higher production rates for the cutter. After the cutting programs are developed, they are transferred to the Baum "N" Series cutter using the P-Net server supplied by the customer. The cutter operator can then select the program from the memory bank or use the bar code scanner on the cutter.



P-Net Server

The P-Net server provides the capability to have virtually unlimited storage via the ESPV (External Cutting Program Management). Every cutter integrated into the network can access the ESPV.

Compucut

All BaumCut "N" series cutters include the Compucut software and barcode reader as standard features. The customer provides the P-Net server and hardware to load the software and create the cutting programs.

Bar Code Scanner

The bar code scanner feature enables the operator to place a printed bar code using standard bar code fonts underneath the scanner conveniently located under the left hand safety light beam assembly. The scanner reads the code and searches the database in the BaumCut "N" series cutter for a match. When the desired program is found the BaumCut "N" series cutter automatically activates the program and the automatic function mode of the cutter sending the back gauge to the first cut position. Using the bar code scanner eliminates the need to search for cut programs in the memory banks. On the cutter screen a sample of the page to be cut will be displayed and will show the cuts being made and the work disappearing as it is cut.

Prepress



End user creates cutting program using Compucut software on the end user supplied PC.

Compucut



P-Net



Created programs are transferred to the BaumCut "N" series cutter using a dedicated, customer supplied, P-Net server.

ESPV external cutting program management provides limitless enlargement of memory.

BaumCut "N" Series



Cutting programs are accessed for use via the bar code scanner or manually searching the stored programs in the Baum "N" series database.



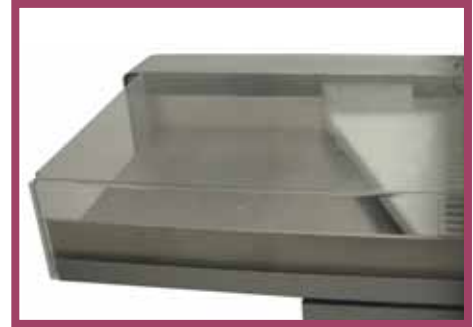
BaumCut 22E & 22N Safety Features:

- Infrared safety beams are standard
- Two-hand timed cut release with non-repeat device
- Rear table fully covered
- Permanent check of knife position
- Machine self-diagnosis with error indication



Infrared Safety Light Beams

The Infrared Safety Light Beams are standard equipment on the BaumCut paper cutters. Baum was one of the first companies to make this standard equipment on all of our BaumCut paper cutters meeting and exceeding many safety standards. Any intrusion in the light beam area by any object will prevent the clamp and knife from operating.



Rear Safety Cover

The see-through rear safety cover prevents reaching into the cutting area from behind while providing a clear view of the backage. It also keeps the cutter table free of debris.



Two-Hand Cut Buttons

Standard equipment includes the two-hand cut safety control. This feature provides additional safety and security for the operator. The unique cut button design is also timed so that both button must be pressed together for both the clamp and knife to operate. BAUM was one of the first companies to make this a standard feature on all BaumCut paper cutters.



Safety Knife Removal & Installation

An added edge shield connects the knife removal tools provides **safe and easy** knife removal and installation.

Specifications

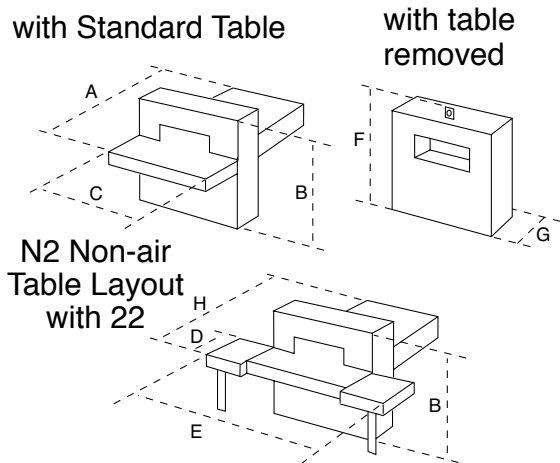
BaumCut 22

Cutting width22.05" [56cm]
 Cutting height/clamp opening max..... 3.15" [8cm]
 Length behind knife22.05" [56cm]
 Table length front of knife 26-3/8" [67cm]
 Table height..... 35.5" [90cm]
 Knife speed 20 cuts/min
 Knife thickness..... 0.38" [9.7mm]
 Knife grinding reserve 0.88" [22mm]
 Knife rake angle 23 degrees
 Minimum cut without false clamp plate 0.59" [1.5cm]
 Minimum cut with false clamp plate 1.97" [5cm]
 Clamp pressure [min]405 pounds force [180daN]
 Clamp pressure [max] 2698 pounds force [1200daN]
 Backgauge speed on return way [0 - ...].....2.76"/sec [7cm/sec]
 Shipping weight 1395 lbs [632kg]
 Electrical power input [apparent power] 220/1/60 2.2 kVA
 Recommended electric supply fuse protection.....40 amps
 Operating amperage 32 amps
 Note: If measured power supply voltage is less than 215V and more than 245V, buck boost transformers are required.

Conforms to CE, UL, CSA, ANSI & ETL safety standards.

Specifications subject to change without notice.

BaumCut 22 Floor Layouts



BaumCut 22	
A	65.5" [166.4cm]
B	59.0" [149.9cm]
C	45.5" [115.6cm]
D	26" [66cm]
E	81.0" [205.8cm]
F	59.0" [149.9cm]
G	30.0" [76.2cm]
H	72" [182.9cm]

Requirements for P-Net for BaumCut N Series Cutters:

Customer Supplied PC Requirements:

- CPU min. 500 MHz P3 (or comparable)
- Windows 2000/ Windows XP installed
- Internet Explorer 6 or higher installed
- Minimum 1GB free hard disk space
- CD-ROM drive installed
- Network card is installed
- Administrator rights are enabled, or network administrator gives support when P-Net is installed etc.

Customer Supplied Network Requirements:

- Network cable
- TCP/IP address, etc. for cutting machine has been assigned by network administrator
- TCP/IP address, etc. for PC has been assigned by network administrator



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