BaumCut 31.5E & 31.5N

High Productivity Cutting Solutions

BAUM

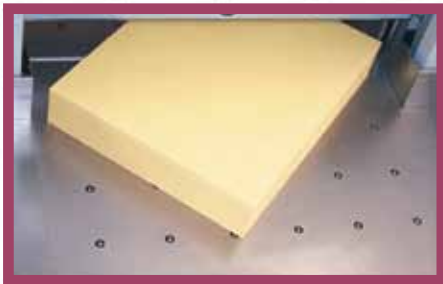**FOLDERS • CUTTERS • DRILLS • PRESS • FINISHING • GENUINE PARTS**

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BaumCut 31.5 Paper Cutters . . .

BaumCut 31.5E and 31.5N 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.

Baumcut 31.5E

31.5 Air Table
Provides a cushion of air that makes large format work easy to transport. The air table features air jets installed in a non-corrosive, stainless steel surface that doesn't need waxing.

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 31.5N

Spring-loaded Backgage Fingers

Every backgage 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 31.5E & 31.5N Controls

The BaumCut 31.5E 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 31.5N provides all of the control features of the 31.5E 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 31.5N 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	P-Net	BaumCut "N" Series

Compucut

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

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.

Cutting programs are accessed for use via the barcode scanner or manually searching the stored programs in the Baum "N" series database.
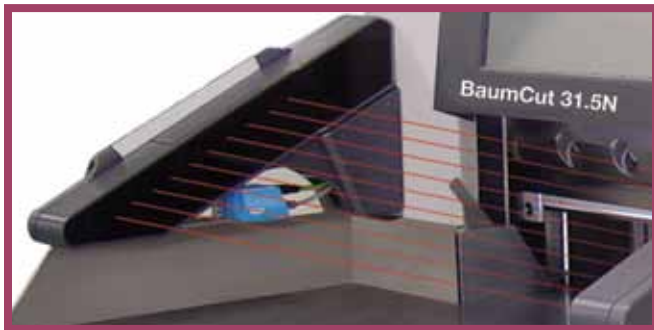
BaumCut 31.5E & 31.5N Safety Features:

- 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
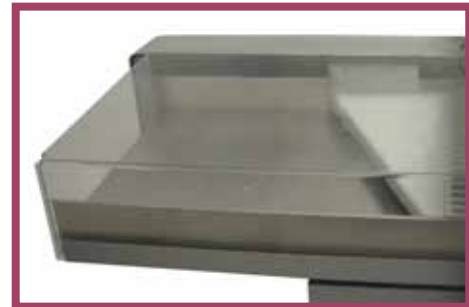- Cover over foot pedal

Clamp Foot Pedal Safety Cover

Protects against inadvertant lowering of the clamp. *No one likes pinched fingers.*

Infrared Safety Light Beams

The Infrared Safety Light Beams are **standard** equipment on the Baumcut paper cutters. [This feature is optional on other manufacturer's cutters in this class.] This system exceeds current mandatory safety requirements.

Rear Safety Cover

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

Two-Hand Cut Button

Standard equipment includes the two-hand cut button safety control. Provides additional security for the operator. Other cutter manufacturer's offer this feature as an option.

Safety Knife Removal & Installation

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

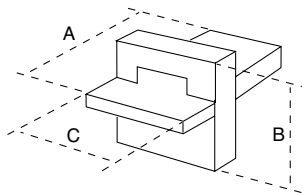Cutting width .... 31.5" [80cm]
Cutting height/clamp opening .... 3.94" [10cm]
Length behind knife .... 31.5" [80cm]
Table length front of knife.. 26-3/8" [67cm]
Table height... 35.5" [90cm]
Knife speed .... 25 cuts/min
Knife thickness.. 0.5" [12.7mm]
Knife grinding reserve .... 0.88" [22mm]
Knife rake 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] .... 397 pounds force [180daN]
Clamp pressure [max] .... 5952 pounds force [2700daN]
Backgauge speed on return way [0 - ...].................................. 5.12"/sec [13cm/sec]
Shipping weight .... 2370 [1075kg]
Electrical power input [apparent power] 4.0kVA
Electrical operating power 220/3/60...............30 amps operating, 35 amp min supply recommended

Note: If measured power supply voltage is less than 215V and more than 245V, buck boost transform-
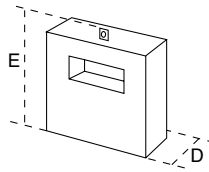ers are required.

Specifications subject to change without notice.
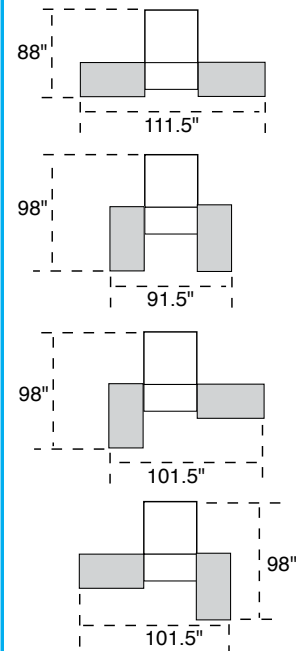
BaumCut 31.5 Floor Layouts

with Standard Table

with table removed

	31.5
A	77" [196cm]
B	62.5" [159cm]
C	56.5" [144cm]
F	67" [171cm]
G	31" [78.7cm]

A2 Air Table Configurations

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1660 Campbell Road
Sidney OH 45365-0728