

# *BAUMCUT 31.5*

## *Paper Cutter*



High Productivity Cutting Solutions



**BAUM**

# Baumcut 31.5 Paper Cutter – an investment in quality, precision & performance

**The Baumcut 31.5 Microprocessor Control provides many features for your demanding applications:**



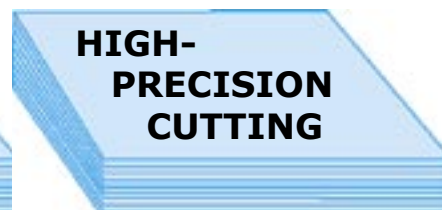
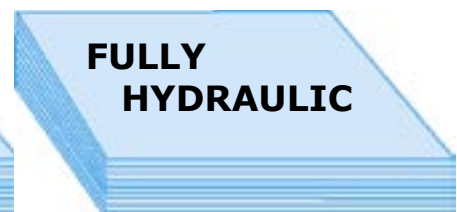
- 99 programs for storing separate jobs
- 6464 total cut step memory
- Automatic and manual cutting modes
- 999 maximum cut steps per program
- Records total number of lifetime cuts
- Records total number of knife changes
- Adjustable clamping time for extra air escape
- Adjustable knife resting time
- 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

The Baumcut 31.5 programmable cutter is efficient, compact, and easy to operate, with minimal maintenance. This heavy-duty, fully-hydraulic cutter features easy push-button programming and stores up to 99 programs with 6464 cut steps.

The Baumcut 31.5 offers high-productivity precision cutting with maximum safety in mind. Infrared safety beams, two-hand timed cut release and covered rear table help

ensure operator safety. Noise levels are kept to a minimum since the motor runs only during cutting operations.

Programming is automatic. Simply cut the first ream manually, and the cuts are stored as a program. A large central LCD display indicates data in the selected language. Knife changes are easy, with a front adjustment. Built-in table light and optical cutting line indicator yields more precise cutting.



## Baumcut 31.5 Features

- Push-button programming – stores up to 99 programs, 6464 cut steps
- Large, central LC display – indicates data in the selected language
- Optical cutting line indicator & table light – for precision cutting
- Automatic programming – first manual cuts stored as program
- Repeat function – cut sizes can be repeated as needed
- Low noise levels – motor runs only during cutting operations
- Manual backgauge positioning with electronic handwheel
- Hydraulic knife drive and clamping
- Overload protection – for main motor and backgauge drive
- Motor-powered backgauge drive
- Easy knife change with front adjustment – Tools included
- Hydraulic clamp pressure is adjustable for a variety of materials
- Non-corrosive closed table surface
- Machine self-diagnosis with error indication

## 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



**The Baumcut 31.5 is designed  
for these applications and more:**

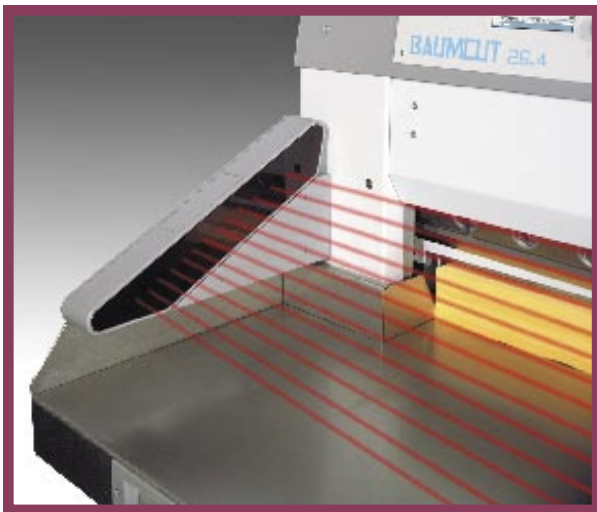
### **EASILY HANDLES:**

- **Business cards**
- **11" x 17"**
- **18" x 24"**
- **Labels**
- **12" x 18"**
- **19" x 25"**
- **8-1/2" x 11"**
- **17" x 22"**
- **20" X 26"**
- **23" x 35"**
- **and more**

# BAUMCUT 31.5



**Baumcut 31.5 cutter with Baum A2 Air Side Tables,  
Baum B2 Jogger and Baum L2 Stack Lift**



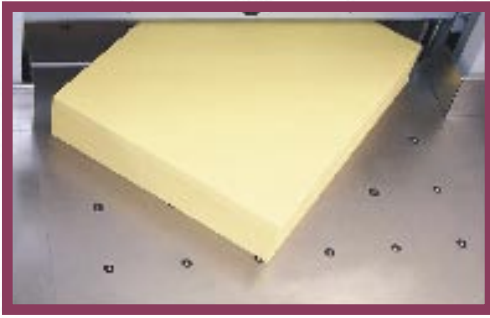
## **Infrared Safety Light Beams**

The Infrared Safety Light Beams are **standard** equipment on the Baumcut 31.5 paper cutter. [This feature is optional on other manufacturer's cutters in this class.] This system exceeds current mandatory safety requirements.



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### 31.5 Air Table

Provides a cushion of air that makes large format work easy to transport. The air bed table features air jets installed in a non-corrosive, stainless steel surface that does not need waxing.



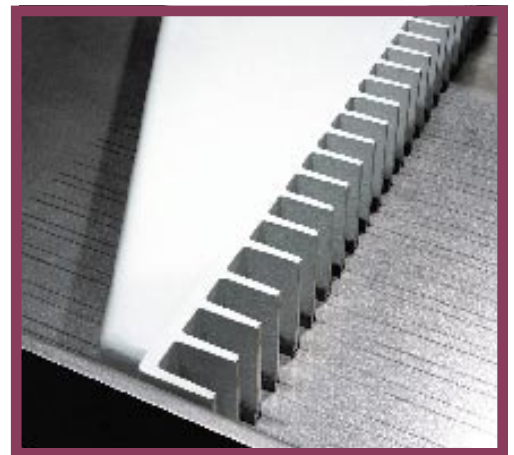
### Knife Change & Clamp Pressure Adjustment

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



### Exclusive Easy Knife Leveling

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



### Spring-loaded Backgauge Fingers

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

### Safety Knife Removal & Installation

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



### 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.





# BaumCut 31.5 Available Option/Accessories for more productivity and versatility



## Baum A2 Air Side Tables

The Baum A2 Air Side Tables adapt to the BaumCut 31.5 cutter, enabling heavy loads to be easily moved to and from the cutter. The large working surfaces provide a cushion of air that can easily handle large format work with minimum effort. These heavy-duty air tables can be arranged in several configurations to adapt to the floor space and workflow requirements of customers. The non-corrosive laminated table surface provides years of maintenance-free transportation of product. The Baum A2 Air Tables can be combined with the B2 Jogger and L2 Stack Lift to increase productivity even more.

## Baum B2 Jogger

Easier jogging with higher productivity is achieved with the automatic Baum B2 Jogger. Automatic tiltable gauges on both sides feature hard-chrome plated table surfaces for corrosion resistance and a long-lasting work surface. Air jets in the table surface make the jogging and movement of material easier. The table can be inclined to the right or left with four angular adjustments for each side. Jogging intensity can be infinitely adjusted. Air supply during jogging can be activated as needed. The Baum B2 Jogger can be operated offline, or integrated as a complete cutting system. External compressed air supply required by customer.



## Baum L2 & L4 Stack Lift

The Baum L2 & L4 Stack Lifts increase operator productivity by presenting the stock at a convenient work height. Loading cutting material without proper equipment greatly increases stress on the back of the cutter operator. The L2 & L4 provide an ergonomic solution for reducing back strain while increasing operator efficiency. The L2 & L4 Stack Lifts can be integrated to form a complete inline system with the B2 Jogger.

## Baum Q4 QuadCart

The rugged and durable Q4 Cart features long-lasting four-inch ball bearing casters. The four-sided, pivoting, rolling cart saves time, space and effort. It has a capacity for 48,000 11" x 17" 20# bond sheets, or 2,000 half-folded 20-page newspapers. A patented quick-release brake holds the cart in place as it pivots a full 360 degrees. The Baum Q4 conserves valuable floor space and makes it easy to move product throughout your production area.



# Baumcut 31.5 Specifications

Cutting width	31.5" [80cm]
Cutting height	4" [10cm]
Length behind knife	31.5" [80cm]
Table length front of knife	26-3/8" [67cm]
Table height	35-1/2" [90cm]
Knife speed	25 cuts/min
Knife thickness	0.5" [12.7mm]
Knife ground-off maximum	0.88" [22mm]
Knife rake angle	23 degrees
Minimum cut without false clamp plate	0.59" [1.5cm]
Minimum cut with false clamp plate	2.19" [5.5cm]
Clamp pressure [min]	440 pounds force [200daN]
Clamp pressure [max]	5950 pounds force [2700daN]
Backgauge speed	0 - 13 cm/sec
Net weight	2200# [997kg]
Cut steps	6464
Programs	99
Electrics	220V/3ph/60 Hz, 30 amps

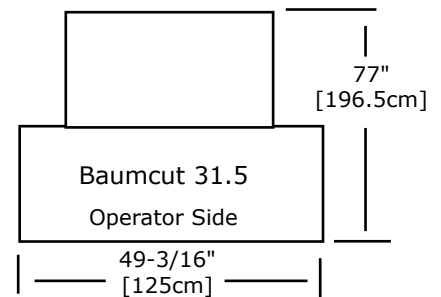
Specifications subject to change without notice.

## Standard Accessories:

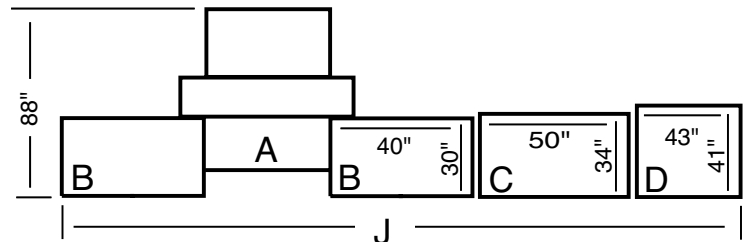
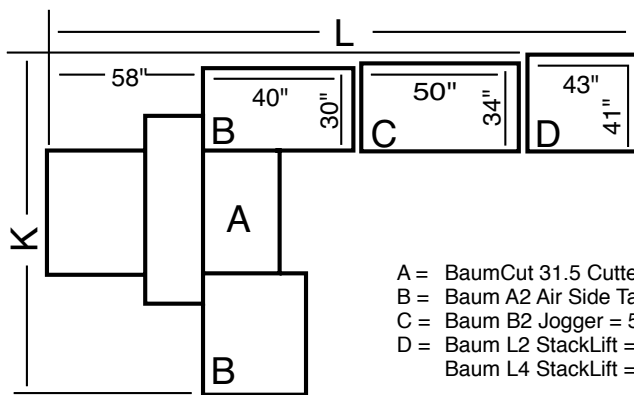
- [2] Knives in safety container
- [1] Knife-change tool kit
- [10] Cutting sticks
- [1] False Clamp Plate
- [1] Jogging Block

## Baumcut 31.5 Floor Plan:

with standard side tables



## Baumcut 31.5 Cutting Systems Floor Plans:



A = BaumCut 31.5 Cutter = 50"W x 72"D	<b>Width L2</b>	<b>Width L4</b>
B = Baum A2 Air Side Table = 40"W x 30"D	<b>StackLift</b>	<b>StackLift</b>
C = Baum B2 Jogger = 50"W x 34"D	J 204.5"	218.5"
D = Baum L2 StackLift = 43"W x 41"D x 60-78"H	K 101.5"	112.5"
Baum L4 StackLift = 57"W x 52"D x 60-78"H	L 194"	208"

Opposite hand configurations can also be assembled.

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