

Formax Cut-True 31H 28'' Hydraulic Guillotine Cutter

Product Spec Sheet



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The Formax **Cut-True 31H Hydraulic Guillotine Paper Cutter** features a hydraulic blade and clamp drive for true two-shift operation, and rugged heavy-duty construction for precision cutting of paper stacks up to 28" wide and up to 4" high. User-friendly features include a **color touchscreen control panel**, automatically-adjusting back gauge, an **internal light** to illuminate the cutting area, and the capacity to **program up to 100 jobs/100 cuts**.

Operation is simple using the color touchscreen for programming and selecting jobs. The **foot-pedal pre-clamp** and bright **LED Cutting Line** work together allowing operators to see exactly where the blade will cut and to make fine adjustments. **Electronically-controlled two-hand operation** engages the hardened steel blade for crisp, accurate cuts, every time. Cutting accuracy is 0.1mm on maximum paper stacks.

The Cut-True 31H features an **anti-friction ball deck with air-assist** and extra-large **side tables**, making it easier for operators to maneuver large paper stock. The **hydraulic clamp pressure** is easily adjusted using the pressure gauge knob, to provide the best clamp possible for different paper weights and stack heights. A removable **false clamp** is included to minimize the risk of marking sensitive paper stock or perfect bound books. It can be easily removed to decrease the minimum cut length to 1.18", and stored within the machine when not in use.

Standard **safety features** include dual-button operation and an **infrared safety curtain** which immediately stops operation if the light plane is interrupted. The Cut-True 31H also includes a **lock with key**, **blade lock**, **automatic blade return** from any position, a **blade change safety tool**, and a **wooden paper push** for safe alignment.

The Cut-True 31H is ideal for transforming large sheets into brochures, invitations, business cards, and more, with crisp, accurate cuts, and is a welcome addition to digital print shops and in-plant finishing operations.

Standard Features:

- Heavy Duty Construction:** Designed for true two-shift operation
- Hydraulically-Controlled:** Adjustable hydraulics control paper clamp and blade carrier
- Low-Friction Air-Assist Ball Deck:** Makes it easy for operators to move and position heavy paper stacks
- High-Speed Hardened Steel Blade:** Designed for accurate cuts and long life
- False Clamp:** Minimizes marking of sensitive paper stock, easily stores within the machine when not in use
- Color Touchscreen Control Panel:** Easily set, adjust and program jobs
- LED Cutting Line:** Bright red LED line indicates exactly where the blade will cut, allowing for precise adjustments prior to cutting
- Solid Steel Blade Carrier:** Built for longevity and minimal maintenance
- Internal Light:** Illuminates the cutting area for improved visibility
- Extra-Large Side Tables:** Allow users to maneuver large paper stacks with ease
- Fine-Tuning Knob:** Allows users to precisely adjust the back gauge position
- Hydraulic Pressure Gauge Knob:** Displays pressure and allows for easy adjustment of clamp pressure

Operating Features:

- Cutting Capacity:** Paper stacks up to 4" high and up to 28" wide
- Automatic Blade Return from Any Position:** Provides safe and accurate operation
- Programmable Jobs:** Up to 100 jobs/100 steps, including paper eject and cues for turning directions
- Foot Pedal Pre-Clamp:** Holds paper stack in position to check alignment prior to cutting
- Business Card Cutting Mode:** Allows for quick and easy set-up
- Automatically-Adjusting Back Gauge:** Ensures accuracy and reduces operator effort

Safety Features:

- Infrared Safety Curtain:** Light beam curtain shuts down operation if the plane is interrupted
- Two-Button Operation:** Both buttons must be pressed simultaneously, keeping hands away from the cutting area
- Blade Change Safety Tool:** Allows users to easily and safely change the blade
- Wooden Paper Push Tool:** Helps to quickly and safely align the paper stack
- Main Switch and Safety Key Lock:** Keeps cutter secure from unauthorized operators

Supplies:

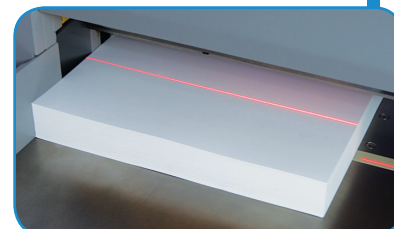
- 31-10:** Replacement Blade
- 31-20:** Replacement Cutting Sticks, pkg of 10

Specifications

Cutting Action:	Dual-button hydraulic
Maximum Cutting Width:	28.7" (730mm)
Maximum Paper Stack Height:	3.94" (100mm)
Programmable Jobs:	Up to 100 programs with up to 100 steps each
Length Behind Blade:	26.5" (673mm)
Length in Front of Blade:	25" (635mm)
Minimum Cut w/False Clamp:	2.36" (60mm)
Minimum Cut w/o False Clamp:	1.18" (30mm)
Table Size:	72.75" W x 25.125" D (1848 x 638mm) with standard side tables 43.12" W x 21.125" D (1095 x 537mm) without standard side tables
Clamp Style:	Automatic, hydraulic
Hydraulic Clamp Pressure:	700 - 4,500 psi (49 - 316 kg/cm ²)
Back Gauge Adjustment:	Fully programmable using touchscreen, accurate to 0.1mm
Blade Change Safety Tool:	Included
Dimensions:	73" W x 69" D x 56.9" H (1857mm W x 1754mm D x 1445mm H)
Weight:	1,323lbs. (600kg)
Power Supply:	208V, 60Hz, 30A dedicated line, NEMA 6-30P



Touchscreen control panel allows for programming up to 100 jobs



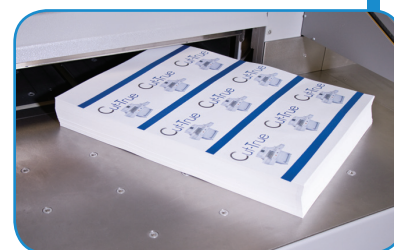
LED Cutting Line shows exactly where the blade will cut



Two-button operation, fine-tune knob, adjustable hydraulic pressure gauge



Foot pedal pre-clamp holds paper to check alignment prior to cutting



Air-assist ball deck helps operators process large and/or heavy paper stacks with ease

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