

Specifications

Stock Range	
Corrugated Board	E/ B/ C/ A/ AB flute (1~8.5 mm)

Basic Performance	
Max. Sheet Size	1650 × 1200 mm
Min. Sheet Size	650 × 450 mm
Max. Mechanical Speed	5500 s/h
Max. Cutting Pressure	400 ton

Die-Cutting	
Max. Cutting Size	1630 × 1180 mm
Inner Chase Size	1670 × 1210 mm
Min. Gripper Waste	12 mm
Adjustable Gripper Bite Range	6-12 mm
Cutting Rule Height	23.8 mm
Mobile Lower Platen Adjusting Range	±1.5 mm

Electrical	
Total Power Required	47 kw
Variable Speed Main Motor	22 kw
Max. Air Compressor Displacement	0.7 m³/min
Electrical Power	380V, 3-Phase, 50HZ

	SAL	SAHL
Machine Dimensions (Catwalk included) (L × W × H)	11280× 5277 × 2548mm	11066× 5292 × 2848mm
Gross Weight	40 Ton	40 Ton
Delivery Pile Height	320 mm	1400 mm(Pallet included)

ETERNA always puts quality first during the development. Each product goes through rigorous and meticulous tests. Attention from every tiny detail, every production process, every technology procedure, even the small aspect of product management, is taken very seriously. Because we always uphold the philosophy of manufacturing the highest quality products for our customers.

Eterna is committed to creating die-cutting machines with highest quality standards.

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ETERNA

Automatic Die Cutter
with Stripping Station

E CUT 1650 PRO
CLASS: SAL/SAHL

Simply
efficient



* In the interests of product improvement, the manufacturer reserves its rights to change specifications and features without notice.

Automatic Die Cutter with Stripping Station

ECUT 1650 PRO

CLASS: SAL/SAHL

ECUT 1650 SAHL automatic die cutter is designed to work on litho-laminated, flexo and other pre-printed corrugated boards. This high-performance specialty machine can die cut corrugated board from 1-8 mm thickness. It is equipped with optimized indexing unit that is based on proprietary motion curve to ensure smooth and reliable high production output.

There are two delivery options: regular batch delivery (SAL) and high pile batch delivery (SAHL) to suit your production needs.



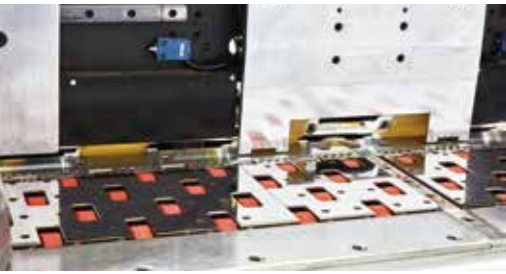
- Main Features:**
- New generation PLC control to facilitate easy operation and maintenance;
 - Precise sheet and gripper bar registration as well as even pressure between upper and lower platens;
 - Best safety standards built in among the peers;
 - Optimized mechanical design to reduce components for better structural integrity and reduced fault rate;
 - 10.4” high resolution HMI to display all machine commands and information;
 - Centralized lubrication system for easy and precise maintenance.



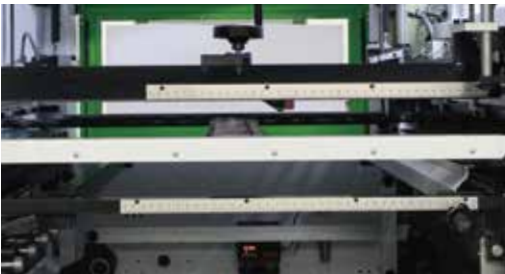
- FEEDER**
- The combination of feeding technology of European diecutting machine and lead edge feeding features of high-speed flexo printing machine, newly designed lead edge feeder with precise feeding system will provide more accurate and positive feeding than ever;
 - Left and right hand side guides with separating and synchronizing adjustment available. Inclined front guide plate with back and forth, up and down micro-adjustments to reduce the pressure on bottom sheet of the pile to ensure smooth feeding;
 - Rear jogger at feeder in preparation for future in line with prefeeder in order to improve productivity and decrease labor cost (optional);
 - Sheet feeding grid height adjustable according to sheet quality and thickness for smooth and precise feeding.



- Servo Drive Extended Long Feeder**
- Selectable left and right side push lays to ensure accurate alignment;
 - The conveyer belt is imported, and rotary brushes could be adapted to run cardboard with different thickness, paper pressing frame is designed for heavy duty structure;
 - Patent special differential sheet feeding curve ensures gentle touch of lead edge at front lay hence accurate register;
 - Sheet arrives at front lay with servo motor controlled slow down action for precise registration.



- DIE-CUTTING SECTION**
- Specially designed for diecutting machines, this new worm gear and crank shaft mechanism drives the mobile platen through toggle mechanism more efficiently, reducing the main motor power by 16% and thus decreasing power consumption;
 - Cutting pressure fine adjustment wheel with position indicate gauge;
 - Newly designed gripper bar parallel cam driving index unit with large motion angle to allow gripper bar starts and stops gently, thus require less and smaller nicks and higher productivity.



- STRIPPING SECTION**
- Stationary middle stripping board coupled with special upper stripping frame movement curve in order to produce extra force at waste nipping point for clean waste stripping;
 - Center line system for quick stripping die set up and change over, compatible with Centerline II ;
 - Center line system for quick system tool set up and change over, compatible with Centerline II ;
 - Front edge waste removal system removes and transfers waste edge outside the machine via conveyor belt;
 - Front edge waste stripping tool with longer stroke and superior curve of motion greatly eases the stripping action.



- DELIVERY (SAL)**
- Escalator delivery fork with non-stop air cylinder for neat and positive delivery and conveyor belt delivery table to protect the sheets from scratches;
 - The bundle delivery table can be prepared for future connection with breaker for in line operation (to be required at order);
 - Electrical batch counter.
- High Pile Delivery (SAHL)**
- High pile delivery system with non-stop curtain allows sheets to be transferred as a high pile;
 - Electrical batch counter;
 - Mechanical cam driven side joggers and shutter (banana bar) with motorized position adjustment is more accurate and suitable for multi-out diecutting;
 - Electrically adjustable side joggers are reliable and easy to operate.

