UCHIDA AUTO FEED DIE CUTTER
AERODIECUT

AeroDieCut

UCHIDA

The redesigned die cutter, ideal for short-run digital print finishing.

Customers want printed materials faster, personalized, and in the quantity they need, whether it's for unique shaped cards or boxes. The AeroDieCut gives printers and marketing service providers a new way to do this.

It is easier than traditional large format die cutters and more productive than cutting plotters and laser cutters. The AeroDieCut can process complex cuts, creases, and perforations on printed materials in a single pass.

Safe, intuitive, compact.

In the past, die cutters were large, heavy duty, and could be used for decades, but they required skilled operators and were, above all, dangerous. The AeroDieCut was designed to be used by anyone, anywhere, with a focus on operator safety and minimal mechanical adjustments.

Modern use of traditional platen dies.

The AeroDieCut utilizes traditional platen dies, because these are matured in technology, easy to obtain, cost effective and the quality of the finishing is great. The AeroDieCut combines traditional and new technologies to bring a new experience to our customers.
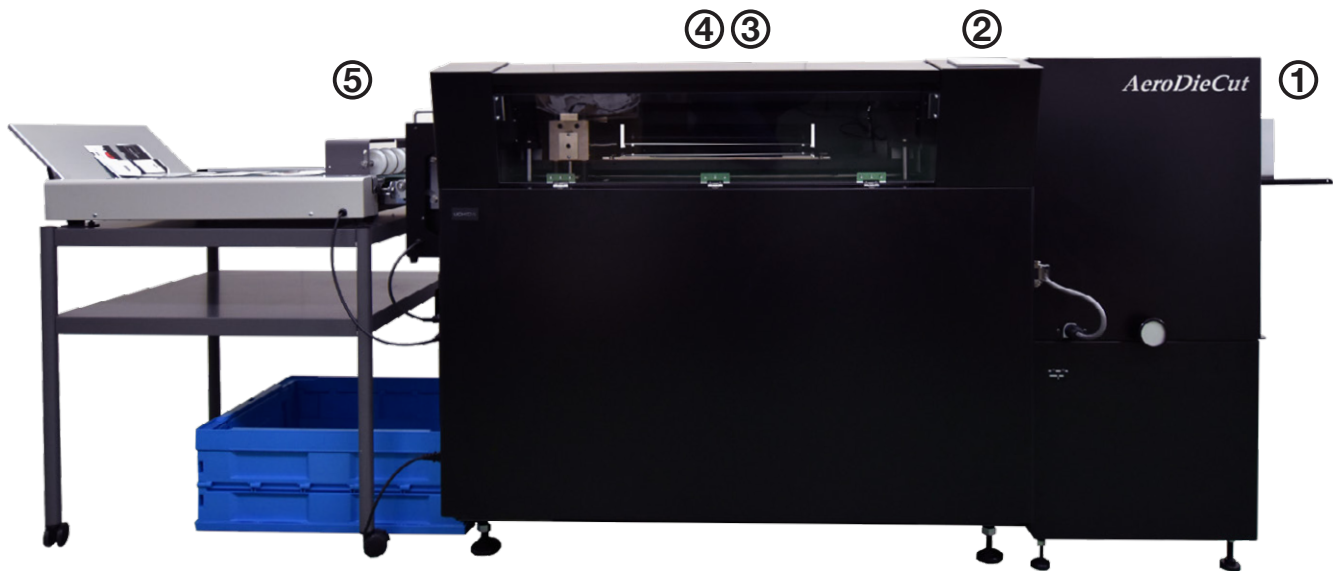
Unleash the potential of your print engines.

Print engines are getting better and better every year, but even the best printed material is no good without finishing. The AeroDieCut can turn your printed materials into a variety of applications such as cards, boxes, swing tags, shelf talkers, etc. The AeroDieCut will help you turn your creativity into reality and help your business grow.
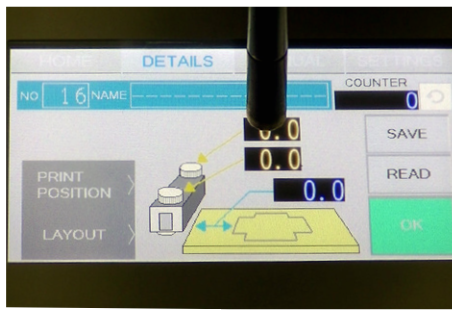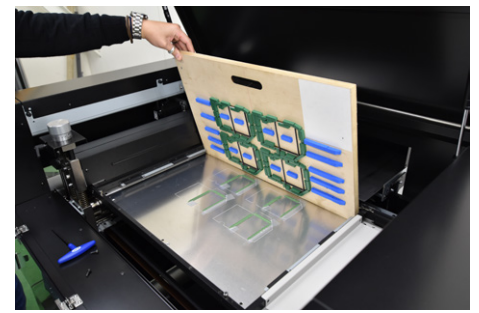
Configurations & Features

1. Feed Unit
The patented "Tri-suction feeder" ensures consistent paper feeding. The feeding unit equips an ultra-sonic sensor for double feed detection, and a cut-mark sensor to compensate image shift.

2. Easy touch screen operation
The 4.3" colored touch screen makes job settings and operation easy. 100 Job memories can be stored in the machine.

3. Main Unit (Press unit)
The main press unit uses patented "moving press rollers" mechanism to press the paper. This makes the die cutting process much quieter and power efficient than conventional die cutters.
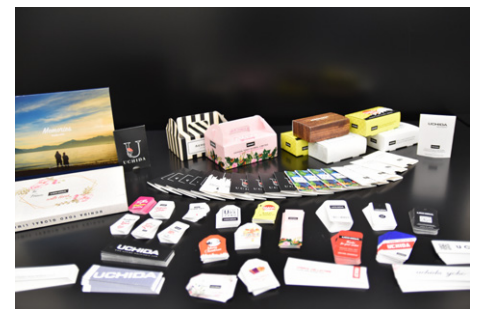
4. Multiple-up applications
The AeroDieCut features step & repeat function to finish multiple-up applications, which helps saving the cost of dies.

5. Optional separator & conveyor delivery
The optional separator deflects wastes into a waste bin as the die-cut paper is delivered. (Depending on layout)
The optional conveyor delivery table makes collecting process more efficient.

Various applications
The AeroDieCut can cut, crease, and perforate on a print in a signle pass. It turns your prints into a variety of applications, such as cards, swing tags, boxes, envelopes, shelf talkers, etc. Even transparent film sheets can be finished.
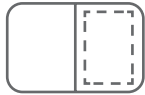
Die board size
350x550mm+

Die board thickness
18mm

Cutting rule height
23.3-23.8mm

Cut, crease, perf and emboss in a single pass.

Max. paper size
365x515mm

Max. finishing size
320x505mm+*

Depends on the original paper size. Slightly expandable upon understanding restrictions.

Power consumption
400watt (single phase)

Max. press speed
1,000sheets/hr

Multi-up press (Step&Repeat)
up to **5**times/sheet

Options & Accessories

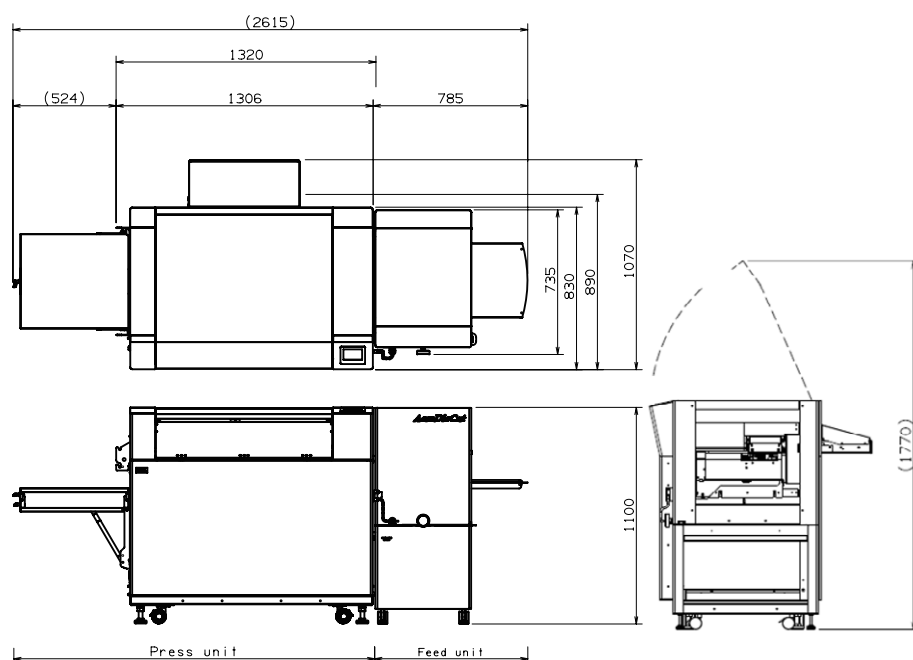| Option	Description	Included / Option
Die board rack	A rack for die boards and cutting plates. 1 unit included.	Included
Waste separator unit	The waste separator cartridge that fits to the machine exit and deflect a waste. Depending on the layout and the shape of the finished item, the waste separator unit may not work efficiently.	Option
Belt conveyor delivery	750mm length conveyor tray. Finished products will be neatly delivered.	Option
Stacking support guide	Supporting guide to stack flimsy paper/film neatly.	Option
Feeder Ionizer	Helps eliminating electric static on materials loaded on feeder.	Option
Cutting plate (Stainless steel)	3pcs/set. Harder material / longer lifetime / more difficult to adjust / recommended for long-run, professional use.	Consumable
Cutting plate (Aluminum)	3pcs/set. Softer material / shorter lifetime / easy to adjust / recommended for short-run, quick set up.	Consumable

Die board rack

Specifications

Model	AeroDieCut
Machine Type	Auto-feed platen die cutter
Feedable paper size	297(W)x420(L) - 365(W)x515(L) mm
Maximum finished size	320(W)x505(L) mm* *When finishing 365(W)x515(L)mm sheet. The maximum finishing size varies depending on the original paper size. Finishable area may be slightly expanded upon understanding die limitations.
Paper weight	120 - *400 gsm *Depending on paper quality. *Above 400 gsm may be possible upon validation and at own risk.
Materials	Paper, laminated paper, cardboard, synthetic paper, film(transparent), corrugated board etc.* *Pre-validation recommended for unique materials.
Operation	4.3" colored touch screen
Job memories	100 job memories
Feeding mechanism	Upper belt tri-suction feed (Patented) Side blow | Skew adjustment | Side aligner Ultra sonic double feed detection Cut mark registration Feed tray stacking capacity 100mm
Speed	1,000 sheets/hour
Dimensions	2,700(W)x1,070(D)x1,100(H) mm
NET Weight	410kg
Power supply Power consumption	100-120V or 200-240VAC, 50/60Hz single phase, 400W

*Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions.
*As part of our continuous product improvement program, specifications are subject to change without notice.

Dimensions

Press unit | Feed unit

UCHIDA YOKO GLOBAL CO.,LTD.