

UCHIDA

UCHIDA AUTO FEED DIE CUTTER AERODIECUT



UCHIDA YOKO GLOBAL CO.,LTD.

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.

AeroDieCut

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.

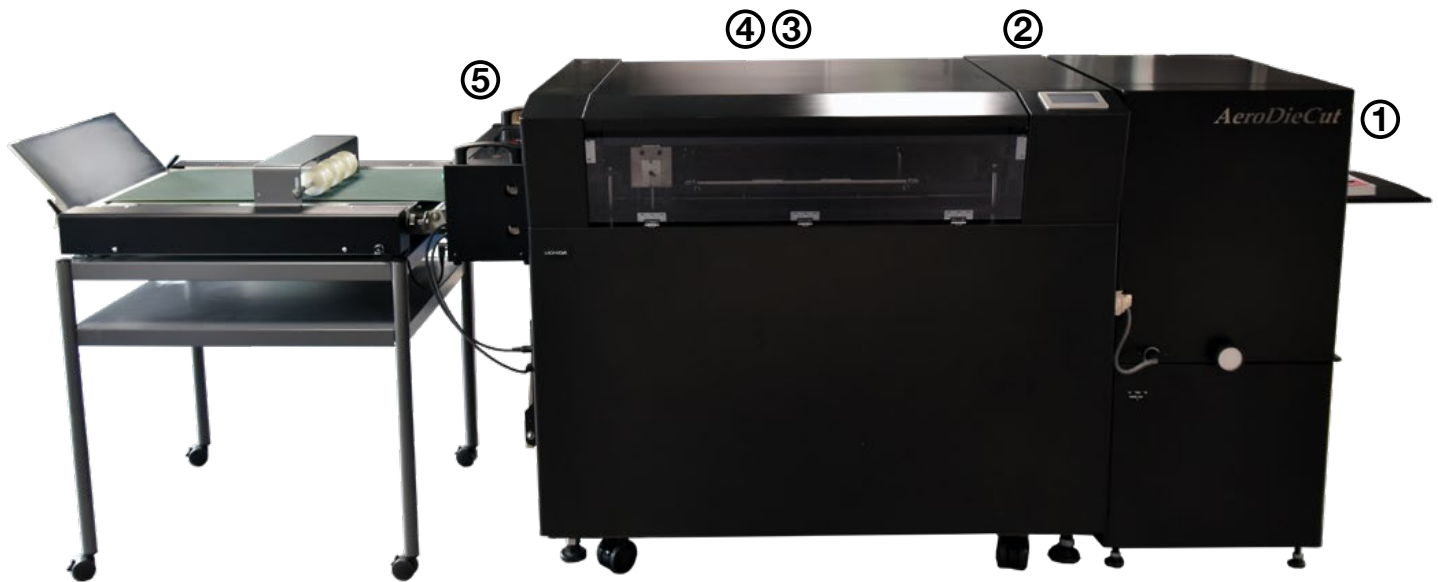


Unleash the potential of your print engines.

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.

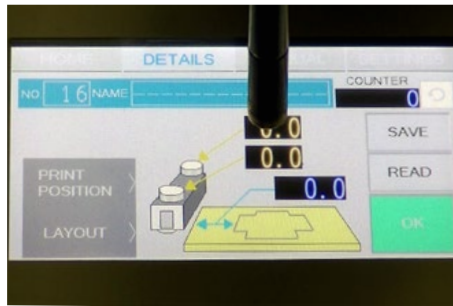


Configurations & Features



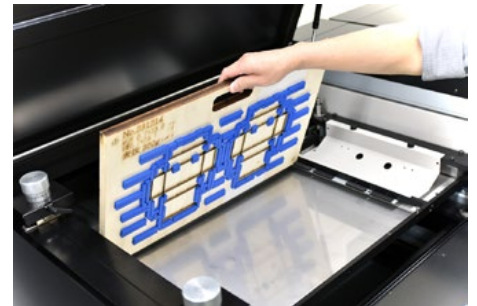
1. Feed Unit

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

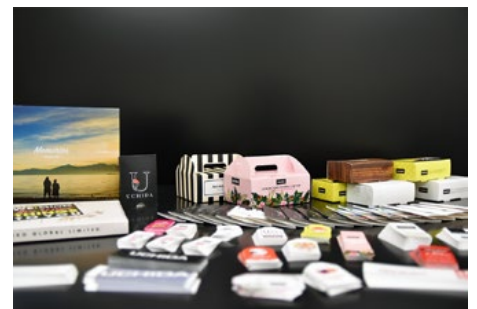
AeroDieCut features a step & repeat function that allows multiple cuts on a single sheet using one die, helping reduce die costs. Up to 20 repeats are possible for equal pitch.



5. Optional separator & conveyor delivery

The optional waste separator deflects waste into a bin and deliver only outputs to a card catcher or an out-feed conveyor. (Works only on uniform layouts.)

It reduces manual and labor intensive waste stripping process, and improves productivity.



Various applications

The AeroDieCut can cut, crease, and perforate on a print in a single 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.

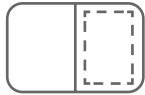
Figures

Die board size
350x550_{mm}⁺

Die board thickness
18_{mm}

Cutting rule height
23.3-23.8_{mm}

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



Max. paper size

365x515_{mm}

Max. finishing size

341x505_{mm}⁺*

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



Power consumption
400_{watt} (single phase)

Max. press speed
1,000 sheets/hr

Multi-up press (Step&Repeat)
up to **20** times/sheet *for eauql pitch
up to **5** times/sheet *for uneauql pitch

Options & Accessories

Option	Description	Included / Option
Die board rack	A rack for die boards and cutting plates. 1 unit included.	Included
Waste separator unit	Separates waste at the machine exit and improves finishing efficiency. Includes a card stacker for separated cards. Performance may vary by layout and job design.	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
Die board adapter	Enables the use of small die boards.	Option
Cutting plate (Stainless steel)	3 pcs/set. Harder material / extended lifetime / requires precise adjustment / recommended for long-run, professional use.	Consumable
Cutting plate (Aluminum)	3 pcs/set. Softer material / shorter lifetime / easy adjustment / recommended for short-run, quick setup.	Consumable



Waste Separator

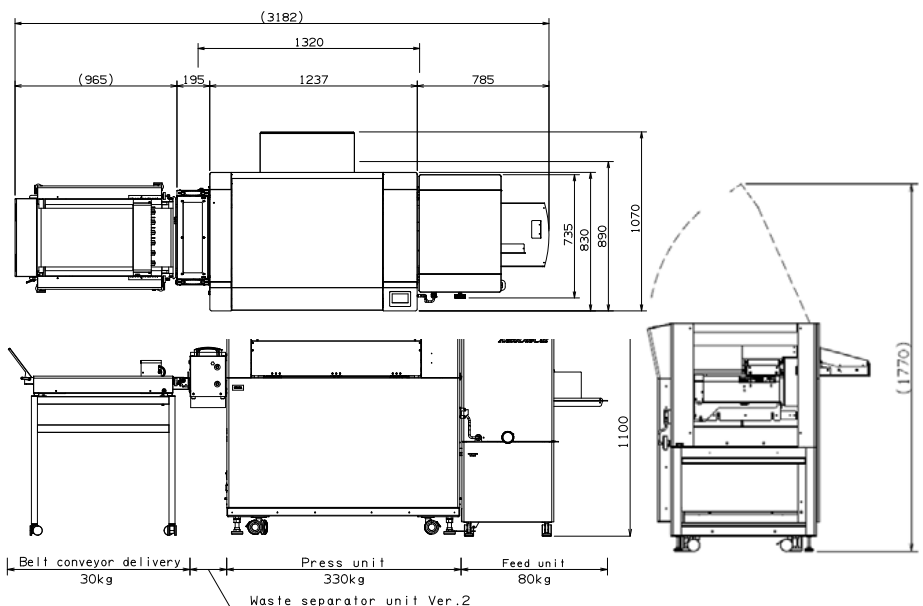


Die Board Adaptor

Specifications

Model	AeroDieCut
Machine Type	Auto-feed platen die cutter
Feedable paper size	210(W)x420(L) - 365(W)x515(L) mm
Maximum finished size	341(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 700 sheets/hour (w/waste separator)
Dimensions	2,700(W)x1,070(D), 100(H) mm
NET Weight	410kg
Power supply	100-120V or 200-240VAC, 50/60Hz
Power consumption	single phase, 400W

Dimensions



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*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