



ON-DEMAND PRODUCTION OF LABEL & PACKAGE
IN RIGHT TIME, RIGHT PLACE & RIGHT QUANTITY



PROFESSIONAL DIGITAL
SHEET-FED DIE CUTTER

DUOBLADE F

FULL-CUT & HALF-CUT



Easier
Stronger
More compact

FULL-CUT & HALF-CUT SUPPORT
UNIQUE AUTO SHEET-FED
DIGITAL DIE-CUTTER

EASY OPERATION BY AUTOMATIC SYSTEM

Automatic control of distance between cutting heads
Automatic mark sensing

USER-FRIENDLY DESIGN

More compact body in 1m height
Adjustable basket angle in 6 levels

STABLE PAPER FEEDING

Height sensor control
Adjustable belt suction power
Adjustable airbrush blowing power
Threshold height control





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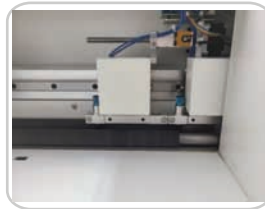


FEATURE



HIGH CAPACITY TRAY

Stacking 1000 sheets to cut all at once automatically.



DUAL BLADE

Using 2 cutting heads for double speed. Automatic spacing adjustment between cutting heads from 30mm to 190mm.



FABRIC FEEDING BELT

Better durability unstretchable belt than rubber, without dust contamination.



STABLE FEEDING I

Vacuum power of suction belt can be controlled to support various size and weight of paper.



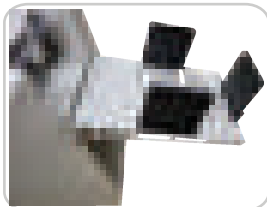
ANGLE ADJUSTABLE BASKET

Basket angle can be adjustable in 6 levels for convenience.



STABLE FEEDING II

Different airflow can be adjustable for each air brush slot can effectively separate 2nd paper to prevent double feeding.



SUPPORTING LONGER MEDIA

Paper collecting basek supports max. 630mm length of paper size.



STABLE FEEDING III

Paper height sensor can control ideal height of top paper to prevent both of jamming and double feeding, depending on paper type.

SPECIFICATION

Max. feeder capacity: 1,000 sheets (200gsm)

Media size: Min. 210mm x 148mm, Max. 340mm x 630mm

Sticker cutting size: Min. 10mm x 10mm, Max. 340mm x 550mm

Cutting speed: Max. 3,000mm/s (Acc. Max. 500mm/sec²)

(Super A3 150 ~ 600 Sheets/hour)

Qty of heads 2 heads

Die-cutting technology with tungsten steel rotary blades

Power: 100 ~ 240 VAC, 1000 W

Machine size: 820(W)mm x 703mm(L) x 1026(H)mm

Weight: 150 kgs





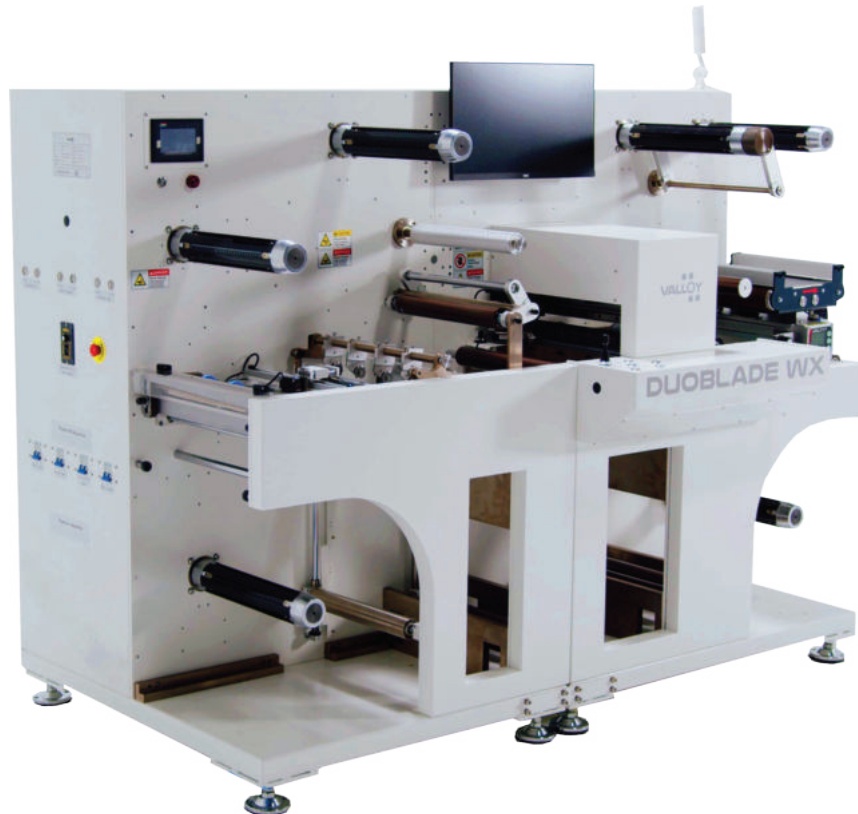
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SPECIALIZED SOLUTION
FOR DIGITAL LABEL FINISHING

DUOBLADE WX

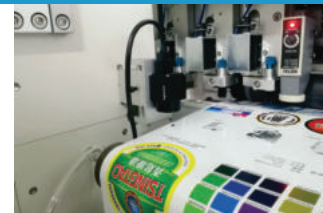
The most ideal digital blade cutter alternative to laser cutter
Supporting both of Roll to Sheet & Roll to Roll



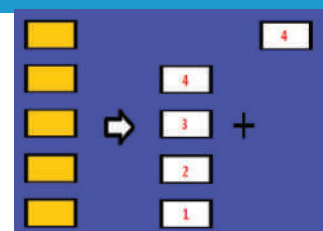
FASTER THAN EVER

- **All-In-One solution**
Lamination, Rewinder for the Lamination Backing, matrix removal, slitting, trimming, sheeting
- **Artificial Intelligence applied**
CCD camera recognizes barcode to select job automatically
Distance between heads can be adjusted automatically by job data
- **Trajectory Optimization**
It automatically calculates optimal usage of heads in each step of cutting for a specific job
- **9M/min cutting speed (10cm x 10cm rectangles)**
DUOBLADE WX has single station with 4 heads as default
* DUOBLADE WX III (2021) has 3 stations (12 heads) to reach 27m/min speed.
- **Max. 350mm x 600mm size label cutting**
- **Embedded PC with big LCD touch screen**

Artificial Intelligence
Automatic Job Change

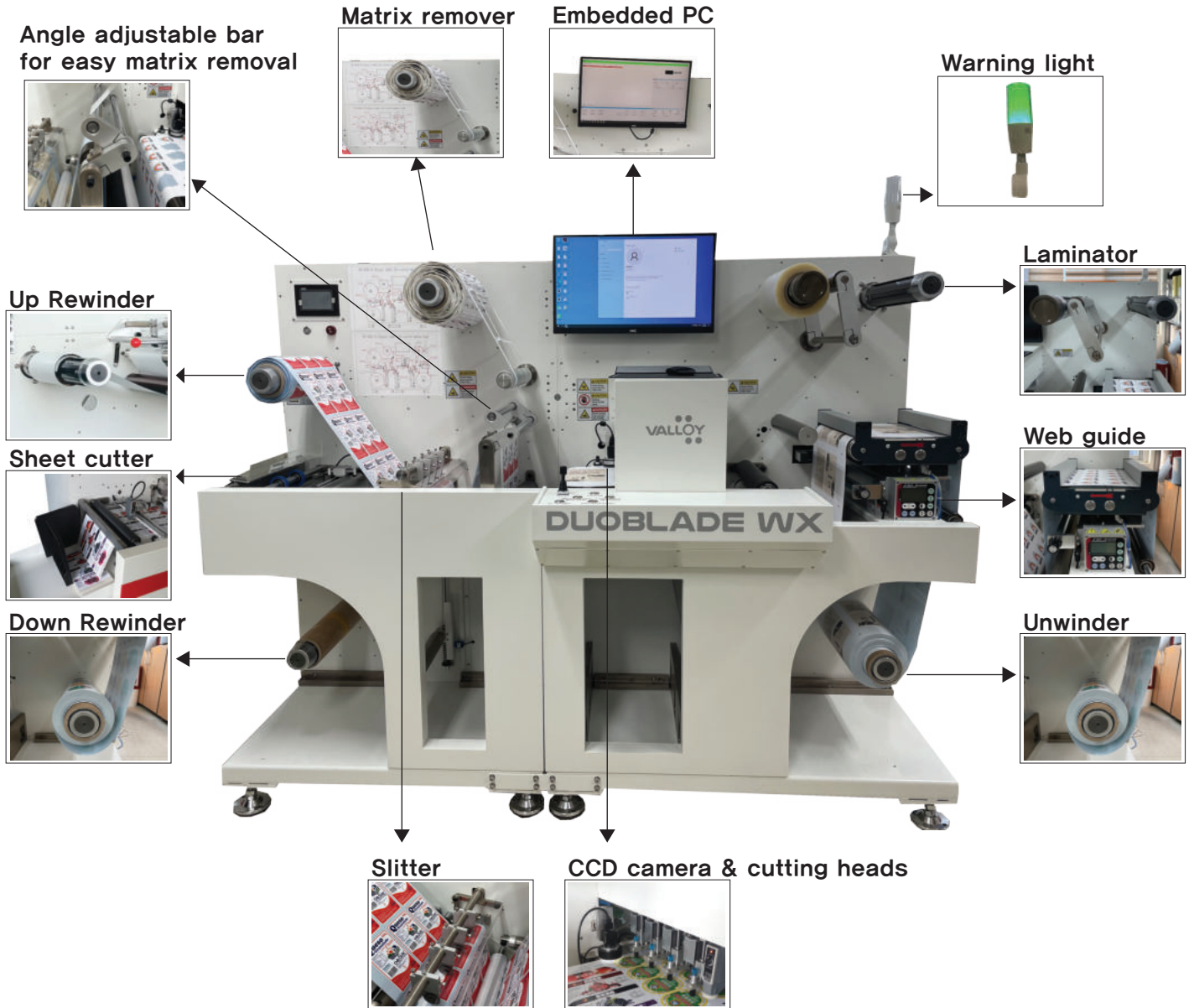


Trajectory Optimization
Optimized usage of heads





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SPECIFICATION

Max. media diameter	450mm	Cutting accuracy	0.05mm
Media width	100 - 350mm	CODE SCANNER	CCD Camera
Max. label size	330mm x 600mm	MARK SENSOR	Reflective photoelectric sensor
Tension system	6-axis automatic tension	Machine dimension	200cm(L) x 119.5cm(W) x 157.5cm(H)
Max. cutting speed	9m/min (single unit)	Machine weight	1200kgs
No. of cutting heads	4	Power supply	100-240V AC, 2000W
Slitter	4 (Max. 15)	Option	Sheeter
Web guide	Ultrasonic guided correction	Warranty	1 year





VALLOY

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ROLL-TO-ROLL MULTI-BLADE
DIGITAL LABEL DIE-CUTTER

DUOBLADE SX

ROLL TO ROLL & ROLL TO SHEET



OPTION CHOPIN-350



Sheet cutter in automatic speed synchronization with DUOBLADE SX.

- Max. Cutting width: 350mm
- Cutting precision: 0.1mm
- Max. Cutting length: 700mm
- Max. Cutting speed: 150 sheets/min.
- Size (WxDxH): 670mm x 460mm x 915mm

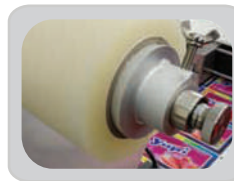
DUOBLADE SX is the most affordable digital label finishing machine with sophisticated controllability in commercial level quality and speed.

FEATURE



MULTI BLADE (Max. 4 units)

Faster by multi-blade (default 2).
Independent control of each blade.
Powerful servo-driven X-Y motions.



INLINE COLD LAMINATING

Embedded cold laminating unit. Simultaneous registration control using fine adjustment knob at the bar end.



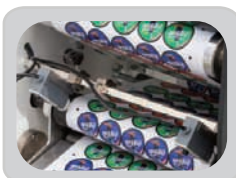
OPTIONAL REWINDER FOR LAMINATION FILM

Optional rewriter to support lamination film (Backliner).



INLINE SLITTING & SEPARATION

Supporting up to 15pcs slitters (default 4).
Individual control of depth and position.
Simultaneous registration control of all slitters together using fine adjustment knob.



WEB GUIDE SYSTEM

Default embedded web guide system to correct media feeding straightness.
Guaranteed constant accuracy in slitted mini rolls after slitting process.



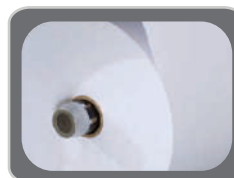
MEDIA CONNECTING PLATE

Embedded edge-to-edge connecting plate.
Easy installation of new rolls with keeping straight feeding path in stable way. Minimized loss of medias and media installation time.



AUTO TENSION CONTROL

Magnetic powder clutch for each of 1 unwinder and 2 rewinders. Electronic control of individual tension in easy and precise way.



PNEUMATIC EXPANSION ROLLERS

One touch push buttons to load and unload media rolls easily. Pneumatic expandable bobbins applied in each of unwinder and 2 rewinders.



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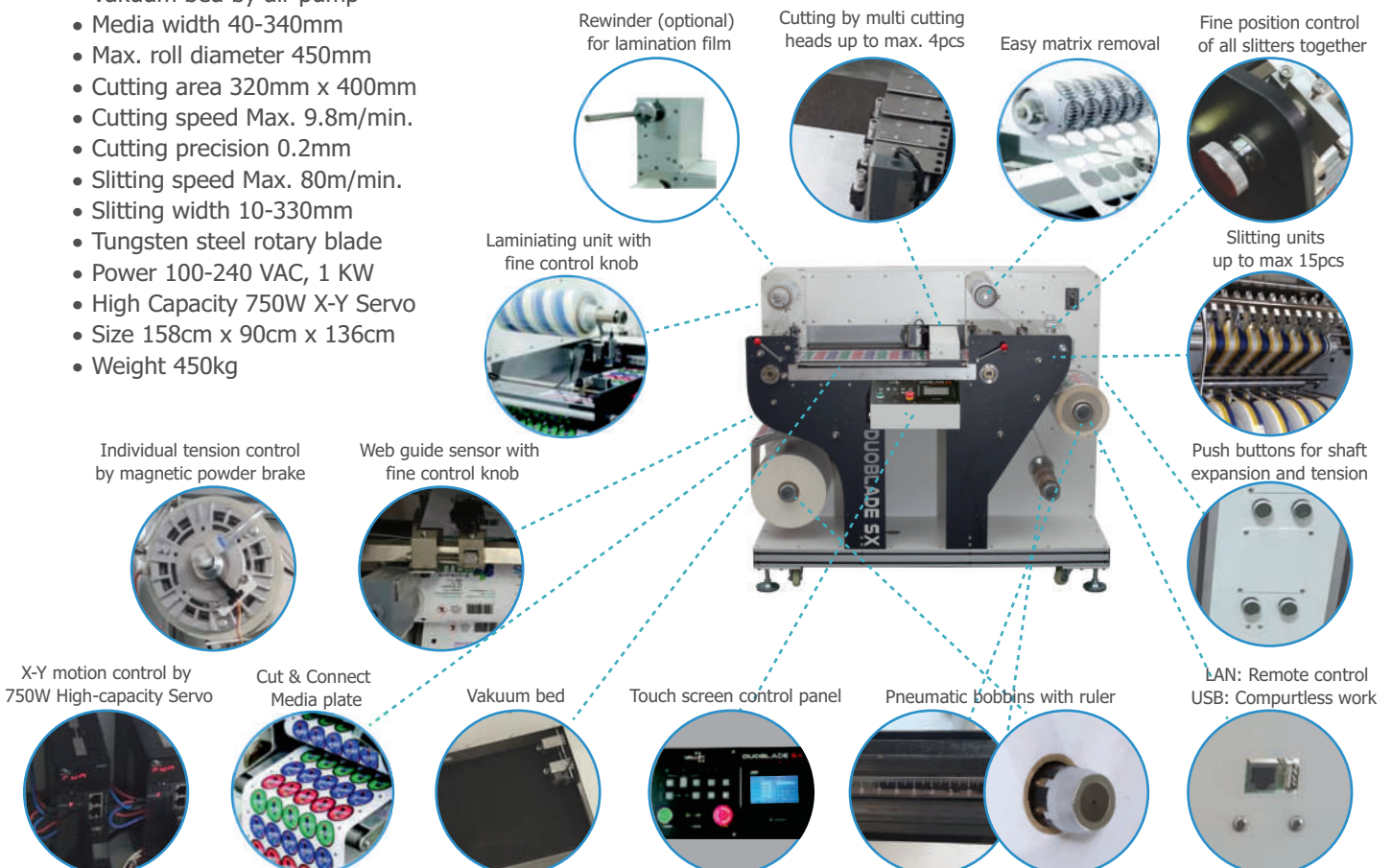


SPECIFICATIONS

DUOBLADE SX

PERFORMANCE	ALL-INCLUSIVE	SPECIAL	USER-FRIENDLY
Multi-blade Up to 4 Heads	Laminating Unit & Matrix Removal	Web Guide Control System	TCP/IP Interface
Max. 9.8m/min. Cutting Speed	Slitting Unit up to 15pcs	Split-Cut for long label	USB Memory
0.2mm Accuracy Tolerance	2nd Rewinder as default	Exclusive Slitting mode	Cut & Connect Media Plate
Max. 80m/min Slitting Speed	Optional Rewinder for laminating backliner	Electric Tension Control System	Pneumatic Core Expansion
			Realtime Control Speed & Pressure

- Including cutting software
- Supporting Corel Draw & Illustrator
- Vakuum bed by air pump
- Media width 40-340mm
- Max. roll diameter 450mm
- Cutting area 320mm x 400mm
- Cutting speed Max. 9.8m/min.
- Cutting precision 0.2mm
- Slitting speed Max. 80m/min.
- Slitting width 10-330mm
- Tungsten steel rotary blade
- Power 100-240 VAC, 1 KW
- High Capacity 750W X-Y Servo
- Size 158cm x 90cm x 136cm
- Weight 450kg



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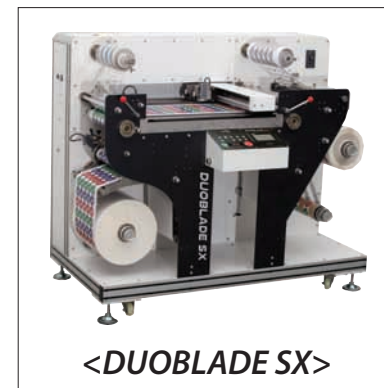
SHEETER FOR DUOBLADE SX

CHOPIN - 350

FOR ROLL TO SHEET



CHOPIN 350 is an optional sheeter for digital roll die-cutting machine. CHOPIN 350 runs in connection with DUOBLADE SX inline. Speed of each machine is synchronized by data signal communication.



** If required, it can be connected with old DuoBlade (S) machines or other digital blade die-cutter.*

SPECIFICATION

Cut width: 350mm	Cut precision: 0.1mm
Max. Cut length: 700mm	Size (W*D*H): 670 * 460 * 915
Max. Speed: 150 sheets/min (standard: 10cm length)	Weight: Approx. 100KG
Track cut position: Eyemark	Power supply" 220V, 500W





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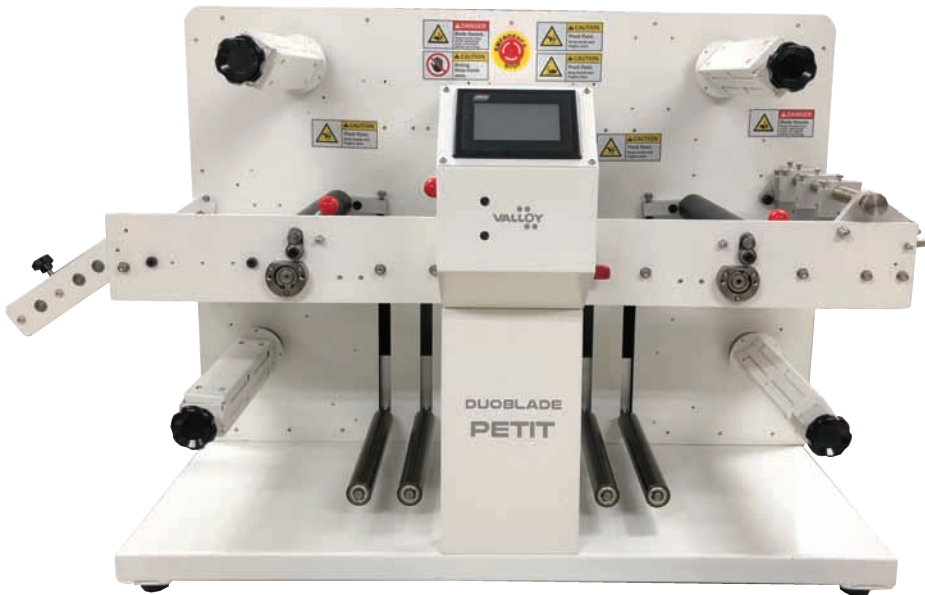


SPECIALIZED SOLUTION
FOR DIGITAL LABEL FINISHING

DUOBLADE PETIT

DESKTOP DIGITAL ROLL TO ROLL LABEL CUTTER, DUOBLADE PETIT

- * Inline-operation with VIP Color VP700/750
- * Offline-operation with OKI Pro 1040/1050



STABLE SLITTING SYSTEM
USING RING KNIVES



AUTOMATIC DOUBLE
HEAD GAP CONTROL



ALL IN SMALL, FAST & STRONG! DUAL CUTTING HEAD SYSTEM FOR INHOUSE LABEL FINISHING

No need of cutting dies anymore
for small volume production of labels.
Die-cutting, laminating, matrix removal
and slitting - all in the compact design.

- Supporting max. 240mm width roll
- Fast speed of 8meters/min
- Cutting max. 330micron thickness

CHOPIN-350 (Sheeter)

Inline sheet cutter - communicating
with DuoBlade Petit for speed sync.

- max. cutting width : 350mm
- cutting accuracy : 0.1mm threshold
- max. cutting length : 700mm
- max. cutting speed : 150 sheets / min
- Dimension(WxDxH) : 670mm x 460mm x 915mm



SPECIFICATION

MAX. ROLL DIAMETER	290mm
ROLL WIDTH	80 - 240mm
MAX. LABEL SIZE	230mm x 300mm
MAX. CUTTING SPEED	8m/min
NO. OF CUTTING HEADS	2 heads
NO. OF SLITTING UNITS	4 units
CUTTING ACCURACY	0.2mm
MARK SENSING WAY	Single eye mark or double eye mark
MACHINE DIMENSION	91cm(L) x 63cm(W) x 74cm(H)
MACHINE WEIGHT	120kgs
POWER SUPPLY	100-240V AC, 1000W
OPTION	Slitting units (max. 8 sets)
WARRANTY	1 year

