

High-Speed Converting Machines

High-speed flat-bed, asynchronous and hot-stamp die-cutting for adhesives, films, foam, EMI shielding and optical-grade converting — represented by Vtech Singapore.

Territory Coverage

Sole Authorized Distributor for Singapore and Malaysia
Regional Distributor for Southeast Asia

Commercial Contact

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Ten Model Families — Flat-bed to Asynchronous

RS-V (flat-bed), RS-E (twin-station + hot stamp), RS-G (high-precision), RS-D (high-speed standard + heavy-duty), RS-U (Y-asynchronous), RS-Z / RS-S / RS-N / RS-T (post / up / in / skipping asynchronous), RS-W (hot stamping). Up to 18,000 cuts/h, ± 0.03 mm.



Why Converters Choose VTech

- 01 Commercial Proposals aligned with manufacturing priorities and ROI expectations
- 02 Faster coordination for quotation review
- 03 Professional installation planning support
- 04 Responsive after-sales service and prompt technical support
- 05 Competitive pricing and reliable machinery

INTRODUCTION

Rosen and Vtech Singapore

The Rosen RS-A flatbed series is engineered for converters demanding sheet-fed precision at scale – folding cartons, wine and cigarette boxes, cosmetics packaging, food-grade and corrugated work where quality, registration, and changeover speed all matter.

Through Vtech Singapore, customers gain a direct commercial channel for configuration matching, proposal coordination, installation planning, and structured after-sales follow-up – all in-region.

Commercial access

A single commercial contact for quicker quotation flow and clearer project communication.

Competitive positioning

Practical proposal support aligned to application fit, ROI expectations, and production priorities.

After-sales confidence

Coordinated support for installation planning, troubleshooting follow-up, and service response.

Sales Contact

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Commercial Positioning

- Reliable converting solutions for sustained production performance
- Commercially competitive proposals aligned with manufacturing priorities
- Structured coordination across installation planning, service response, and follow-up
- Prompt local engineering support – based out of Singapore, in-region for Southeast Asia



ROSEN

Rosen Precision Machinery (Guangdong) Co., Ltd

The High-Speed Converting Lineup

Eleven configurations across 10 model families — flat-bed, high-precision, asynchronous (Y/up/in/skipping/post), and hot-stamp die cutting for adhesives, films, foam, EMI and optical-grade converting.

Model	Function	Max Paper (mm)	Speed (sheets/h)	Accuracy	Application Sweet-Spot
RS-V	Flat-bed die-cut	370 / 460 / 540	450 pcs/min · 80 m/min	±0.1	Self-adhesive labels — high-volume label converting
RS-E	Flat-bed + hot stamp	370 / 460 / 540	450 pcs/min · 80 m/min	±0.1	Premium labels — die-cut + foil stamp in one pass
RS-G	High-precision die-cut	270–460 mm	12,000–18,000 pcs/h	±0.03	Electronics, optical films, medical
RS-D 300/350/450	High-speed die-cut	310 / 360 / 460	12,000–18,000 pcs/h	±0.03	Compact electronics, EMI, foam
RS-D 600/850	Heavy-duty die-cut	600 / 850	5,000 / 6,000 pcs/h	±0.03	Large-format foam, EMI shields, anti-vibration
RS-U 350/450	Y-asynchronous platen	360 / 460 (feed)	12,000 / 18,000 cuts/h	±0.03	Small-format precision (Y-axis), QDC dies
RS-Z	Post-asynchronous	310 / 360 / 460	12,000–18,000 pcs/h	±0.03	Multi-layer tapes, RFID inlays
RS-S	Up-asynchronous	Configurable	Servo-driven	±0.03	Adhesives, optical films, foam
RS-N	In-asynchronous	310 / 360 / 460	12,000–18,000 pcs/h	±0.03	Adhesive films, EMI shielding, foam parts
RS-T	Skipping asynchronous	310 / 360 / 460	12,000–18,000 pcs/h	±0.03	Optical display, RFID, multi-layer adhesives
RS-W	Hot stamping + die-cut	Configurable	High-speed inline	±0.03	Premium foiled adhesive products — combined process

WIDELY USED IN

Cigarette & Wine Boxes • Cosmetics & Premium Packaging • Pharma Cartons • Corrugated Display Boards • Beverage E-Commerce

RS-V

High Speed Flat-bed Die Cutting Machine

Servo-driven intermittent flat-bed die cutting – heavy-duty frame, accessible design, automatic/manual registration, up to 80 m/min, steady wi



Model Specifications

Parameter	RS-V370 / V450 / V530
Max web width	370 / 460 / 540 mm
Max die-cut area	360×335 / 450×380 / 530×450 mm
Max operating speed	450 pcs/min · 80 m/min
Pulling material precision	±0.1 mm
Lower template (V370/V450/V530)	377×350×17 / 457×400×17 / 537×470×17 mm
Upper template (V370/V450/V530)	389×355×17 / 469×400×17 / 549×470×17 mm
Total power	11 / 13 / 15 kW
Machine size L×W×H	3300×1450×1660 / 3300×1530×1660 / 3300×1610×1660 mm
Machine weight	3500 / 3900 / 4300 kg

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Daily Chemical

Wine Label

Food

Cosmetics

Medicine

Electronics

Self-Adhesive Labels

RS-E

Double Stations Flat-bed Die Cutting Machine

Twin-station flat-bed with integrated 90°-rotatable hot-stamping head – die-cut + hot stamping in one pass, up to 80 m/min.



Model Specifications

Parameter	RS-E370 / E450 / E530
Max web width	370 / 460 / 540 mm
Max die-cut & stamping area	360×335 / 450×380 / 530×450 mm
Max operating speed	450 pcs/min · 80 m/min
Hot stamping speed	200 strikes/min
Pulling material precision	±0.1 mm
Hot stamping accuracy	±0.15 mm
Lower / Upper template	377×350×17 / 389×355×17 mm (E370 baseline)
Total power	16 / 18 / 20 kW
Machine size L×W×H	4500×1450×1860 / 4500×1530×1860 / 4500×1610×1860 mm

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Daily Chemical

Wine & Cigarette

Cosmetics

Medicine

Electronics

Premium Labels

Hot Stamp

RS-G

High-Precision Die Cutting Machine

Fast die-cutting up to 18,000 times/h with electric pressure regulation, light-curtain protection, integrated blanking, and ± 0.03 mm precision.



Model Specifications

Parameter	RS-G250 / G300 / G310 / G450
Feed width	270 / 310 / 360 / 460 mm
Max die-cut area	250×200 / 300×250 / 350×300 / 460×390 mm
Max operating speed	18,000 / 18,000 / 18,000 / 12,000 pcs/h
Stroke of die seat	26 mm
Stroke regulation	30 mm
Pulling material precision	± 0.03 mm
Integration seeking precision	± 0.05 mm
Closing height of hardware die	75–95 mm (G250/300/310 adj) · 84–104 mm (G450 adj)
Total power	5.1 / 5.1 / 6.5 / 9.6 kW

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Electronics

Optical Films

Medical

RFID

Adhesive
Foam

Insulation

EMI

RS-D 300 / 350 / 450

High Speed Die Cutting Machine – single punch, compact format

Single-punch, stable pressure with strong punching force – automatic oil-supply, compact size and low noise.



Model Specifications

Parameter	RS-D300 / D350 / D450
Feed width	310 / 360 / 460 mm
Max die-cut area	300×250 / 350×300 / 450×390 mm
Max operating speed	18,000 / 18,000 / 12,000 pcs/h
Stroke of die seat	26 mm
Stroke regulation	30 mm
Pulling material precision	±0.03 mm
Integration seeking precision	±0.05 mm
Closing height of hardware die	75–95 mm (D300/D350) · 84–104 mm (D450)
Total power	5.6 / 5.6 / 10.1 kW

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Electronics

EMI Insulation

Adhesive Films

Foam

Conductive Cloth

Optical

Tapes

RS-D 600 / 850

High Speed Die Cutting Machine – heavy-duty, large format

Single-punch large-format – RS-D600 (600 mm feed, 5000 pcs/h) and RS-D850 (850 mm feed, 6000 pcs/h, intermittent oil supply).



Model Specifications

Parameter	RS-D600 / D850
Feed width	600 / 850 mm
Max die-cut area	600×640 / 650×850 mm
Max operating speed	5,000 / 6,000 pcs/h
Stroke of die seat	26 / 20 mm
Stroke regulation	30 / 10 mm
Pulling material precision	±0.03 / ±0.1 mm
Lower template	620×560×40 / 860×860×18.5 mm
Upper template	620×560×30 / 860×860×18.5 mm
Lubrication mode	Auto circulation / Intermittent oil supply

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Large Foam

EMI Shields

Insulation Sheets

Anti-Vibration

Industrial

Heavy Tapes

Multi-Layer

RS-U 350 / 450

Y Asynchronous Die-Cutting Machine – Compact Platen with XY Stroke

Y-axis asynchronous feeding saves material on small-format runs – dual-servo drive, automatic XY positioning, hardware/QDC die compatibility



Model Specifications

Parameter	RS-U 350 / RS-U 450
Feed width	360 / 460 mm
Max die-cut area	350×300 / 450×390 mm
Max operating speed	18,000 / 12,000 cuts/h
Stroke of die seat	26 mm
Stroke regulation	30 mm
Pulling precision	±0.03 mm
Registration precision	±0.05 mm
Closing height of hardware die	75–95 mm (350) • 84–104 mm (450) adjustable
Asynchronous feeding precision	±0.03 mm

Common Specifications

Available materials	Adhesives • Films • Foam • Foil • EMI • Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Electronics

Medical

RFID

Labels

Adhesive
Films

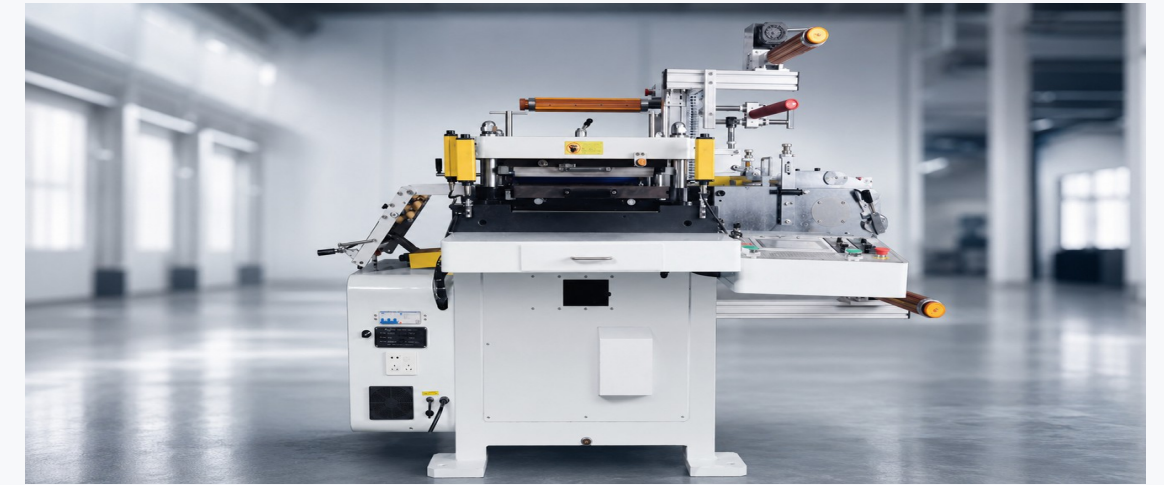
Foam Parts

Cosmetics

RS-Z

Post Asynchronous High Speed Die Cutting Machine

Post-modular asynchronous function – traced and positioning asynchrony, double-servo drive, low noise, stable pressure, accurate pulling.



Model Specifications

Parameter	RS-Z300 / Z350 / Z450
Feed width	310 / 360 / 460 mm
Max die-cut area	300×250 / 350×300 / 450×390 mm
Max operating speed	18,000 / 15,000 / 12,000 pcs/h
Stroke of die seat	26 mm
Stroke regulation	30 mm
Pulling material precision	±0.03 mm
Integration seeking precision	±0.05 mm
Closing height of hardware die	75–95 mm (Z300/Z350) · 84–104 mm (Z450)
Total power	7.2 / 7.2 / 11.7 kW

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Electronics

Multi-Layer Tapes

RFID Inlay

Optical Films

Adhesive
Foam

Tapes

Films

RS-S

Up Asynchronous Die Cutting Machine

Up-asynchronous die-cutting – stable pressure with large punching force, automatic oil-supply system reduces mechanical abrasion, compact footprint



Model Specifications

Parameter	RS-S series
Asynchronous mode	Up-asynchronous feeding
Pressure regulation	Auto pressure regulation
Lubrication	Automatic circulation oil supply
Drive system	Servo-driven, low-noise
Material range	Adhesive films • Optical films • EMI shielding • Foam • Insulation
Footprint	Compact, low coverage area
Use cases	High-mix small-batch electronics & medical converting
Configuration	Available with QDC dies and rewind/unwind options
Pulling precision	±0.03 mm

Common Specifications

Available materials	Adhesives • Films • Foam • Foil • EMI • Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Adhesive Films

Camera Cotton

Filter Cotton

Dust-Proof

Anti-Vibration

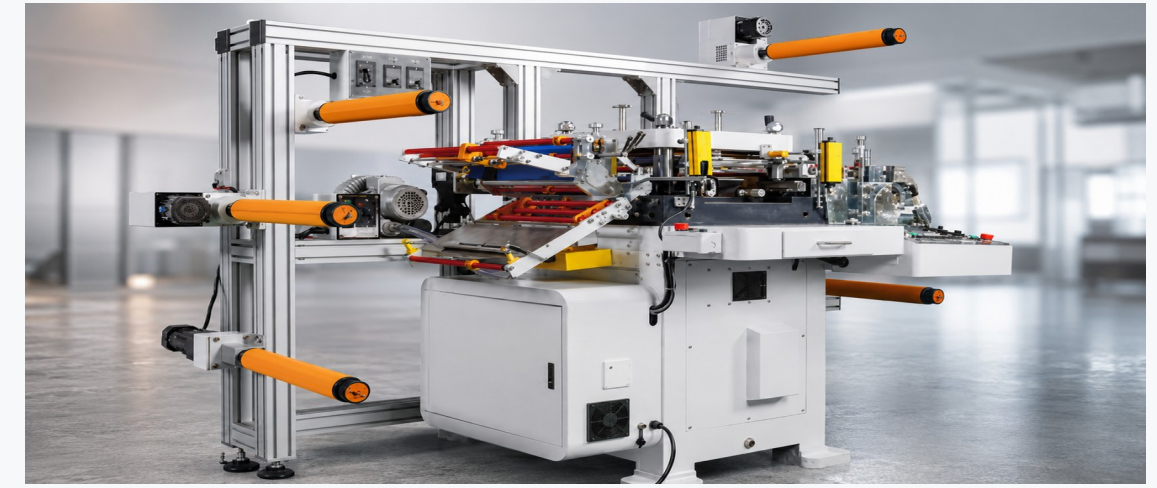
Insulation

EMI

RS-N

In Asynchronous High Speed Die-cutting Machine

In-mold asynchronous – traced and positioning asynchrony, double-servo, magnetic-powder tension control, high-speed precision die cutting.



Model Specifications

Parameter	RS-N300 / N350 / N450
Feed width	310 / 360 / 460 mm
Max die-cut area	300×250 / 350×300 / 450×390 mm
Max operating speed	18,000 / 15,000 / 12,000 pcs/h
Asynchronous feeding width	310 / 350 / 450 mm
Asynchronous feeding precision	±0.03 mm
Feeding method	Servo feeding
Control mode	Magnetic powder control tension
Rewinding axis	1 set
Total power	7.2 / 7.2 / 11.7 kW

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Electronics

Optical Films

Adhesive Films

EMI Shielding

Foam
Parts

RFID

Multi-Layer

RS-T

Skipping Asynchronous Die Cutting Machine

Skipping in-mold asynchronous – feeder + splice + die-cutter host + safety light curtain + dual emptying & material rewind, modular optional co



Model Specifications

Parameter	RS-T300 / T350 / T450
Feed width	310 / 360 / 460 mm
Max die-cut area	300×250 / 350×300 / 450×390 mm
Max operating speed	18,000 / 18,000 / 12,000 pcs/h
Asynchronous feeding width	310 / 360 / 460 mm
Asynchronous feeding precision	±0.03 mm
Feeding method	Servo feeding
Control mode	Magnetic powder control tension
Rewinding axis	1 set
Total power	7.5 / 8.5 / 10.5 kW

Common Specifications

Available materials	Adhesives · Films · Foam · Foil · EMI · Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

Optical Display

RFID

Adhesives

Backlight

Camera
Modules

Films

Tapes

RS-W

High Speed Hot Stamping & Die Cutting Machine

Compact, easy to install – intelligent, stable, easy to operate, excellent hot-stamping result with no fading, wide application, automatic oil-supply



Model Specifications

Parameter	RS-W series
Process modes	Hot stamping + Die cutting (combined inline)
Footprint	Compact, easy installation
Operation	Intelligent, stable, simple operation
Stamping result	No fading, wide-application coverage
Lubrication	Automatic oil-supply system reducing mechanical wear
Pressure regulation	Auto pressure regulation
Drive	Servo-driven precision
Materials	Adhesives, films, foam, optical-grade substrates
Power supply	380V / 3-phase

Common Specifications

Available materials	Adhesives • Films • Foam • Foil • EMI • Optical-grade
Drive system	Servo motors, individually controlled
Lubrication	Automatic circulation oil supply
Pressure regulation	Auto pressure regulation
Tension control	Multi-zone, magnetic-powder where applicable
Display	Touchscreen HMI
Power supply	380V / 3-phase, 50 Hz
Safety	Light curtains, e-stop (CE-Certified)
Service	VTech engineers – installation, training, support
Sourcing	Premium components – servo, sensor, PLC
Quality	100% pre-shipment factory acceptance

WIDELY USED IN

- Adhesives
- Dust-Proof
- Anti-Vibration
- Insulation
- EMI Shielding
- Heat-Resistant
- Hot Stamp

Factory Access. Local Service.

Imported converting machinery often leaves operators stranded – distant OEM support, slow spares, weak after-sales response when a line goes down.

VTech fixes that.

Full Rosen factory pricing and full lineup, paired with in-region engineering, demo capability, and prompt local response – all based out of Singapore.

01

Factory Direct

Direct manufacturer pricing – no middle-layer markup, no mystery margins.

02

Faster Lead Times

In-region planning and consolidated logistics shorten delivery vs. ad-hoc imports.

03

One-Stop Source

Every Rosen platform – print, die-cut, hot-stamp, slit, laminate, integrate, inspect, laser. One supplier, one PO.

04

Local Demo

Live demos and spec consultations in-region before you commit to a machine.

05

Trained Engineers

Commissioning, training, and ongoing support from VTech engineers – not a remote help desk.

VTECH | ROSEN PARTNERSHIP

VTECH

ROSEN

Exclusive Rosen Distributor

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