

VIG.GRAPHICS PVT. LTD.

SOLUTION PROVIDERS FOR PRINTING & PACKAGING INDUSTRY

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Website: www.viggraphics.com

SEMI-AUTOMATIC DIECUTTING AND CREASING MACHINE



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Automatic Die-cutting Machines

Top Feeder
(with/without Stripping)



Suitable for die-cutting and embossing of paper, paper boards and multi-flute cartons.

Equipped with high precision indexer device with torque limiter, pneumatic plate lock, air clutch and overload protection to ensure high speed running with efficiency and safety.

Machine is provided with Pre-loader and non-stop delivery system in order to improve productivity of the machine.

Machine is equipped with variable speed paper feeding structure, automatic paper collecting structure, automatic oil lubricating and forced air cooling for lubricating main drive structure of the machine.

Additional brush wheels and pressing wheels for thin paper and corrugated board running.

Advance push and pull lay for registration can assure the die cutting precision.

Die-cutting chase fixed accurately by pneumatic lock system.

Die-cutting plate is putted in and out by air floating device for minimum wear out.

All electrical, electronic and mechanical parts are sourced from internationally recognized and reliable brands like FUJI, MITSUBHISHI, SCHNEIDER to ensure high die-cutting precision and speed for endless life of the machine

Combination of PLC and HMI makes the machine consumer friendly.

Easy to identify & rectify the problem through HMI.

Electrical panels are cooled by air convection device to protect the electrical components and run steadily in controlled temperature.

Main body is forced oil cooled at high pressure to ensure longest life.

Model	MY-10BO	MY-1500	MY-1500	MY-1650	MY-800
Max Paper Size	1080 x 780mm	1320 x 980mm	1510 x 1120mm	1670 x 1200mm	820 x 620mm
Min Paper Size	400 x 350mm	350 x 450mm	450 x 500mm	500 x 550mm	340 x 280mm
Max Die Cutting Size	1070 x 760mm	1300 x 960mm	1490 x 1100mm	1650 x 1180mm	770 x 600mm
Min size in mouth	5mm	8mm	8mm	8mm	7mm
Maz Die Cutting Pressure	350 N/cm ²	350 N/cm ²	380 N/cm ²	400 N/cm ²	200 N/cm ²
Applicable Cardboard	200-2000 g/m ²	200-2000 g/m ²	200-2000 g/m ²	200-2000 g/m ²	200 g/m ²
Applicable Corrugated Paper	6mm	8mm	8mm	8mm	5-4mm
Max Die-Cutting Speed	7000 sheets/h	4800 sheets/h	4600 sheets/h	4200 sheets/h	7000 sheets/h
Max Feeding Pile Height	1100mm	1400mm	1400mm	1400mm	1150mm
Max Delivery Pile Height	1100mm	1250mm	1250mm	1300mm	1000mm
Total Power (with Stripping)	15 KW 17 KW	18 KW 20 KW	18 KW 20 KW	23 KW 26 KW	12.75 KW 15.00 KW
Weight (with Stripping)	16 TN 17 TN	16.5 TN 18 TN	19.5 TN 21 TN	23 TN 25 TN	8.5 TN 10.0 TN
Dimensions (with Stripping)	5700x2170x2245mm 7200x2170x2245mm	6500x2300x2346mm 7680x2300x2346mm	6870x2398x2356mm 8070x2398x2356mm	7000x2980x2450mm 8500x2980x2450mm	4350x2000x1690mm 4350x2000x1690mm

Automatic Die-cutting & Creasing Machines

Lead Edge Feeder (with/without Stripping)



Suitable for die-cutting and embossing of paper boards and **multi-flute** cartons.

Equipped with high precision indexer device with torque limiter, pneumatic plate lock, air clutch and overload protection to ensure high speed running with efficiency and safety.

Machine is provided with Pre-loader and non-stop delivery system in order to improve productivity of the machine.

Machine is equipped with variable speed paper feeding structure, automatic paper collecting structure, automatic oil lubricating and forced air cooling for lubricating main drive structure of the machine.

Additional brush wheels and pressing wheels for thin paper and corrugated board running.

Advance push and pull lay for registration can assure the die cutting precision.

Die-cutting chase fixed accurately by pneumatic lock system.

Die-cutting plate is putted in and out by air floating device for minimum wear out.

All electrical, electronic and mechanical parts are sourced from internationally recognized and reliable brands like FUJI, MITSUBHISHI, SCHNEIDER to ensure high die-cutting precision and speed for endless life of the machine

Combination of PLC and HMI makes the machine consumer friendly.

Easy to identify & rectify the problem through HMI.

Electrical panels are cooled by air convection device to protect the electrical components and run steadily in controlled temperature.

Main body is forced oil cooled at high pressure to ensure longest life.

Model	MY-1300	MY-1500	MY-1650
Max Paper Size	1320 x 980 mm	1510 x 1120 mm	1670 x 1200 mm
Min Paper Size	350 x 450 mm	450 x 500 mm	500 x 550 mm
Max Die Cutting Size	1300 x 960 mm	1490 x 1100 mm	1650 x 1180 mm
Maz Die Cutting Pressure	350 N/cm'	380 N/cm ²	400 N/cm'
Applicable Corrugated Paper	3-10mm	3-10mm	3-10mm
Max Die-Cutting Speed	5000 sheets/h	4800 sheets/h	4500 sheets/h
Total Power (with Stripping)	24.5 KW 28.5 KW	24.5 KW 28.5 KW	32 KW 35 KW
Weight (with Stripping)	16.5 TN 18.5 TN	19.5 TN 21.5 TN	23 TN 26TN
Dimensions (with Stripping)	5900 x 2365 x 2346 mm 7680 x 2365 x 2346 mm	6200 x 2380 x 2356 mm 7400 x 2380 x 2356 mm	7000 x 2980 x 2450 mm 8500 x 2980 x 2450 mm

Directory

1. Profile.....	3
2. Technical parameter.....	4
3. System introduction.....	5
4. Main qualified parts.....	9
5. Acceptance standard.....	11
6. After-sale service.....	12

About Us

VIG GRAPHICS PVT LTD

Established in 1995, VIG-GRAPHICS embarked on its journey to drive Automation in Printing and Packaging industry and make its presence in providing Quality Machines with state of art technology. Our skills lie in having the expertise to provide you with complete automation solutions for your existing Plant and Machinery and enhance your experience by offering customized solutions to achieve your goals. Our Success Mantra lies in our Engineering skills, Operational Efficiency, and Pro-Active Services.

Our Vision and Core Values

- *Make Automation affordable & sustainable for the Packaging & Corrugation Industry*
- *Believer of the “Make in India” goal- reduce dependence on imports from China*
- *Continuously innovate and pilot Next-Gen automation solutions*
- *Become a ‘One-Stop-Shop’ for each production unit looking to improve or enhance their sales*
- *Build a culture- focussed on customer, operational and technical excellence*

The Future: “Your trusted Partners for the Next-Gen Automation Solutions”

*To make Automation affordable & sustainable for Packaging and Corrugation Industry is the vision of our leader, Mr. Vikram Sarin. His untiring devotion to accomplish ‘Make in India’ has set in motion a promising future in the world of packaging industry. His vision holds true with being the **FIRST in manufacturing indigenously the 3ply/5ply Flute Laminator Machine** - “MADE IN INDIA- MADE FOR THE WORLD”*

Our Machinery Supplies Include:

1. Automatic Die Cutting Machines (Sizes 800mm to 1650mm) We are the Sole Distributors for “CANGZHOU RUIJIE CARTON MACHINERY CO.LTD”
2. Automatic Flute Laminator (3/5 ply / high speed) Made in India by “Vig Graphics Pvt Ltd”
3. Automatic Film Laminator (vertical dry type/ thermal/ roll to roll)
4. Automatic Folder Gluer (650mm to 1400mm/ suitable for duplex/3ply/5ply high speed)
5. Automatic stitching machine for /5 ply master cartons/ semi automatic for 2 pc cartons.
6. Single facer / servo cutter/ roll stand/ flute stacker/ RS4 Printer Slotter/3ply/5ply/7ply production Corrugation Lines 80mtrs -220mtrs/minute
7. Accessories like Waste Stripper, creasing matrix, nick grinder, creasing matrix cutter and almost everything related to machinery supplied.

Technical parameter

Item	Parameters
Model	BMV-1650
Die cutting type	Pressed flat die cutting(Lower side is movable while upper side is unmovable)
Max paper transmitting size	1670*1200mm
Min paper transmitting size	500*550mm
Max die cutting size	1650*1180mm
Min gripper size	8mm
Max die cutting pressure	400N/cm ²
Paper processed	Cardboard 200-2000 gsm Corrugated board < 10mm
Max die cutting speed	4200 sheets/h
Max feeding pile height	1400mm(above the level)
Min feeding pile height	1250mm(above the level)
Main motor power	11 kw
Total power	20 kw
Total weight	21 T
Overall size	5200*4950*2250mm (with platform and pre-paper)

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System introduction

Feeding and Collecting Part

- Whole machine is risen making the maximum front pile height up to 1400mm and the back pile height up to 1300mm
- At the middle of head install the monitor worker can easily see the back
- Pre-paper pile design and special pneumatic bench can save much time

The non-stop sampling system can check the board accurate without stop the machine



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Main body

- Adopt automatic centralized lubricating system and setting main chain lubricating system by HMI
- Patented design shock absorption system can prolong the life of main body and increase the pressure
- The intermittent gearbox can assure the accurate registration and decrease the gripper attack



Diecutting part and Delivery system









- Diecutting chase fixed accurately by pneumatic lock system
- Diecutting plate is putted in and out by air floating device
- Electric clutch system of main chain can assure the chain steady when it is stopped at high speed
- Main chain and assist chain is lubricated periodically controlled by PLC
- Protection window of diecutting can hold the main body clean
- Lightweight and durable aluminum alloy gripper bars with chain of Renold UK or IWIS Germany ensure accurate



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Main qualified parts

Name	Picture	Model	Brand	Remarks
Main shaft				High-frequency quenching
wallboard				high strength cast iron
Gripper bar				Lightweight and durable aluminum alloy
Gearbox			Shengbao Or Huilin	
Air clutch			Yuyi /Shanghai	
Reduction motor			Chengbang CPG	
Main chain			Renold or IWIS	Diecutting chain professional
Main Bearing			SKF	
Frequency converter			YASKAWA	

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Pneumatic valve			Airtac	
Alarm light		3 layer	Q-light	
Disjuncctor		D40 D16 D6	LS	
Contactora			Fuji	
Button			Schneider	
PLC			Vigor	
Sensor		T61	Omron	
Main motor		11kw	Siemens	
HMI			Delta	

Acceptance standard

- When we have finished the main body , we will run it without chain system 72 hours no-stopping. Then the important parts (Crankshaft, Copper sheathing, Bearing) will be checked about the temperature every three hours. If the temperature of the part will not increase by hour, it will be ok.
- When we have finished the delivery system, we will check the diecutting accurate with 250gsm paper card and 3/5/7-player corrugated board.
- About the machine speed, we will test it in high and low, the frequency converter is normally, the noise is little. We also will run the speed extend the 4500sheet/h, in this environment, the machine will be also good.

Aher-sale service

- **We provide the quality assurance of our product**
- **We offer the details of install mechanical parts and circuit diagram, it will help you to know our machine**
- **We can train your workers in our company freely or send our engineer to your company costly**
- **We can provide long-distance guidance with e-mail or video freely or transport the broken part**