

VIG.GRAPHICS **PVT. LTD.**

SOLUTION PROVIDERS FOR PRINTING & PACKAGING INDUSTRY

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MY-1300

AUTOMATIC DIECUTTING AND CREASING MACHINE



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-10B0	MY-1S00	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
Max 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.

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
Max Die Cutting Pressure	350 N/cm ²	380 N/cm ²	400 N/cm ²
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 26 TN
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

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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

Technical Parameters

Item	Parameters
Model	MY-1300
Die cutting type	Pressed flat die cutting(Lower side is movable while upper side is unmovable)
Max paper transmitting size	1320*980mm
Min paper transmitting size	450*500mm
Max die cutting size	1300*960mm
Delivery section	By stack
Stacking height	1200mm
Min gripper size	6-8mm
Max die cutting pressure	350N/cm ²
Paper processed	Corrugated board 1-9mm
Max die cutting speed	4600 sheets/h
Total power	28kw
Total weight	17T
Overall size	6900*2380*2356mm (without platform and pre-paper)
	8900*4500*2356mm

System introduction

Servo Lead edge feeder (Under suction feeder)

option: 1-9mm corrugated board

- Equipped with servo lead edge feeder, it can prevent the cardboard damage by the black wheels.
- Independent servo actuator can assure the cardboard send to right position and avoid crash on the paper
- The big power suction fan and the adjusted wind system work for 1-9mm corrugated box.



Feeding table

- Adjustable brush wheels and pressing wheels to ensure precise position to enter into front and side lay
- Advance push and pull lay of registration can assure the die cutting precision
- Omron light front lay detection system prevent the slanting paper move in main body
- The lifting of the brush wheel frame is controlled by cylinder.
Easy to operate.

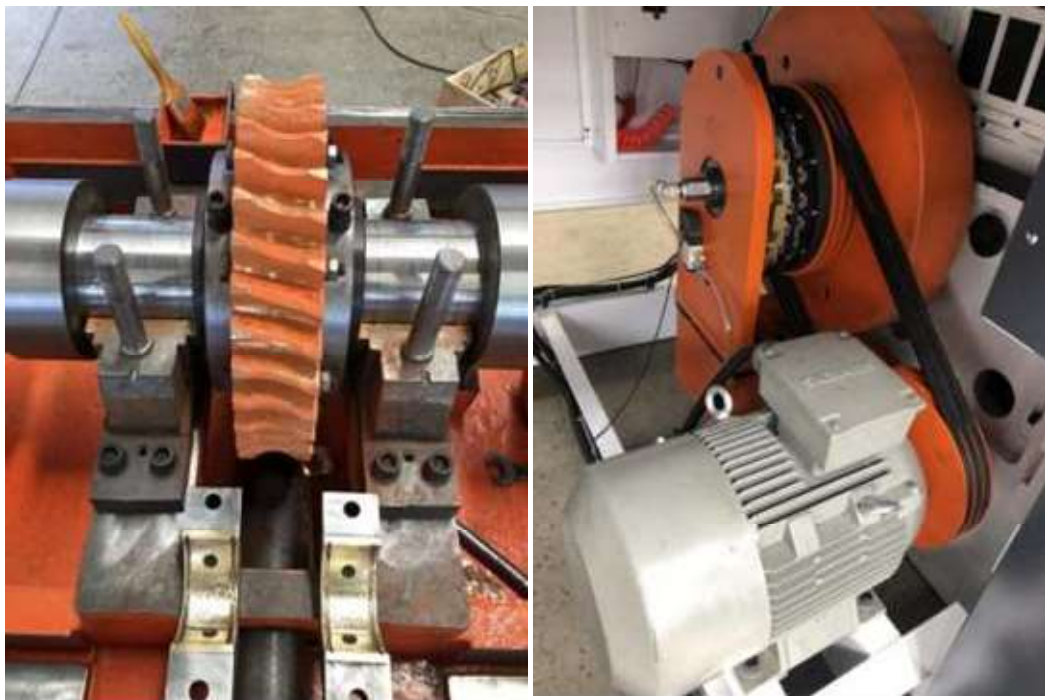


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Main body

- 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 made in Taiwan 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 grippers bar with chain of Renold UK .



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Main qualified parts

Name	Picture	Model	Brand	Remarks
Main shaft				High-frequency quenching
wallboard				high strength cast iron
Gripper bar		gripper		Lightweight and durable aluminum alloy
Gear box			Shengbao	
Air clutch			Yuyi	
Reduction motor			Chengbang	
Main chain			Renold or Iwis	Diecutting chain professional
Main Bearing			SKF	
Frequency converter		Multi series	Fuji	



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Pneumatic valve			Airtac	
Alarmlight		3layer	Q-light	
Disjunctur		D40 D16 D6	LS	
Contactor			Fuji	
Button			Schneider	
PLC			MITSUBISHI	
Sensor		T61	Omron	
Main motor		11kw	Siemens	
HMI			Delta	

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OPTION:

With the auto delivery system, the machine can non-stop, it will improve the efficiency.

