

## 17 Roll Die Cutting & Creasing Machine GI 970x 550



### Technical Specification

<b>Model</b>	<b>GI 970 x 550</b>
Max Cutting Area	940mm x 520mm
Cutting Precision	0.20 mm
Paper Gram Weight	120-400 g/m <sup>2</sup>
Production Capacity	90-140 times/min
Air Pressure Requirement	0.5Mpa
Air Pressure Consumption	0.25m <sup>3</sup> /min
Max Cutting Pressure	150 T
Weight	6.5T
Max Roller Diameter	1600
Total Power	12KW

Dimension	5500x2000x1800mm
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## **Introduction:**

GI series automatic web die-cutting machine based on international advanced technology, has a high stability, high safety performance, high precision of the finished product, it's widely used in printing, packaging and paper products industries. It adopts micro-computer, Human-computer control interface, servo positioning, alternating current frequency converter, automatic counting, manual pneumatic lock plate, photoelectric correcting deviation system, electromagnetic clutch, centralized oil lubrication, overload protection and distinctive gearing. So it guarantees smooth operations of returning paper and feeding paper, precise positioning and orderly withdrawing. All the key parts and controls of the machine are imported. Such installation can realize the machine in steady pressure, precise positioning, smooth moving, safety and reliability.

## **Main Structure**

1. Worm Gear Structure: Perfect worm wheel and worm transmission system ensures the powerful and steady pressure and makes the cutting accurately while the machine runs with high speed, has features of low noise, smooth running and high cutting pressure

Main base frame, moving frame and top frame are all adopts high strength Ductile Cast Iron QT500-7, which has features of high tensile strength, anti-deformation and anti-fatigable.



2. Lubrication System: Adopts forced lubrication system to ensure main driving oil supply regularly and reduce friction and prolong the machine life, machine will shut down for protection if oil pressure is low. The oil circuit adds a filter to clear the oil and a flow switch to monitor lacking oil.



3. The die-cutting force is provided by a 7.5KW inverter motor driver. It is not only power-saving, but also can realize the stepless speed adjustment, especially when coordinate with the extra large flywheel, which make the die-cutting force strong and steady, and the electricity can be further reduced.

Pneumatic clutch brake: through adjust the air pressure to control the driving torque, low noise and high brake performance. The machine will shut down automatically if overload happened, response sensitive and fast.

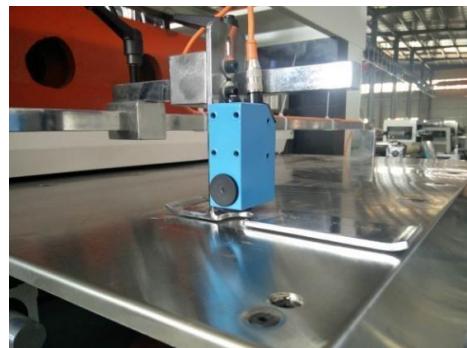


4. Electrical control pressure: accurate and fast to achieve die-cutting pressure adjustment, The pressure is automatic adjusted through the motor to control the four feet by HMI. It is very convenient and accurate.



5. It can die-cut according to the printed words and figures or simply die-cut without them. The coordination between stepping motor and photoelectric eye which can identify colors assures the perfectly fit of the die-cutting position and

figures. Simply set the feed length through the micro-computer controller to die-cut the products without words and figures.



## 6. Electrical cabinet

Motor: Frequency converter controls the main motor, with features of low energy and high efficiency.

PLC and HMI: screen display the running data and status, all of the parameter can be set through the screen. Electrical control system: adopts micro computer control, encoder angle detect and control, photoelectric chase and detect, achieving from paper feeding, convey, die-cutting and delivering process automatic control and detect.

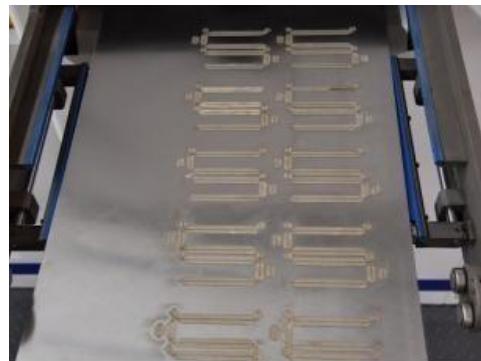
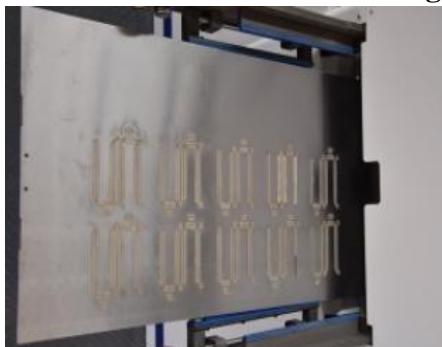
Security devices: machine alarming when failure happens, and automatic shut down for protection

7. Correction Unit: This device is controlled by Motor, which can fix and adjust the paper in a correct position. (left or right)

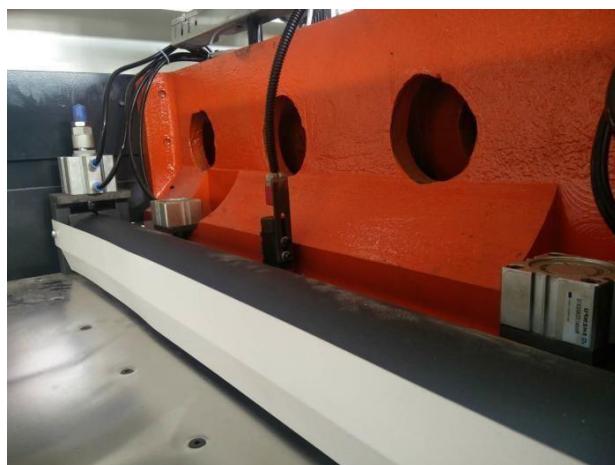


8. Die cutting department adopts pneumatic lock version of the device to avoid coming off from the machine. Die cutting plate: 65Mn steel plate heating treatment, high hardness and flatness.

Die cutting knife plate and plate frame can be taken out so that it can save plate-changing time.



9. Paper blocked alarm: the alarm system makes the machine stop when paper feeding blocked.



10. Feeding Unit: Adopts chain type pneumatic roller unwind, tension controls unwind speed, and that's

Hydraulic, it could support at least 1.5T. Max roll paper diameter 1.6m.



1 . Load material: Electric roll material loading, which is easy and fast. The two rubber covered rollers are controlled by Traction Motor, so it's very easy to make paper go forward automatically.



12. Automatically fold and flatten the cornering materials at the paper core. It realized the multistage adjustment of the folding degree. No matter how bent the product is, it can be flatten or refolded towards other directions.



13. Feed material: the photoelectric eye tracking system assures the synchronization of material feeding and die-cutting speed.



14. By the action of the entity induction switch, finished product will be automatically lowered down to remain the height of the piling paper unchanged, during the whole die-cutting process, manual paper-taking is not needed.



Stepper Motor	China
Pressure adjusting motor	China
Servo driver	Yaskawa(Japan)
Color Sensor	Sick(Germany)
PLC	Delta (Taiwan)
Frequency converter	Delta (Taiwan)
All other electrical parts	Siemens
Photoelectric switch	Germany
Main air cylinder	China
Main Solenoid valve	Air TAC (Taiwan)
Pneumatic clutch	China
Main bearings	Japan

## Price Details:-

SL. No.	Product	Amount	Quantity	Total
1.	Roll Die Cutting & Creasing Machine	25,00,000.00	01	25,00,000.00
2.	GST (18%)			4,50,000.00
<b>TOTAL</b>				<b>29,50,000.00</b>

## Assumptions and Facts

- (I) In the projection stated here we have stated the maximum expense and the minimum profit that the owner can is likely to get in the toughest circumstances.
- (II) The profit will increase remarkably if the owner runs more than one machine as fixed costs gets divided and viable costs have more weight-age.
- (III) The projections would be true only if one is able to run the machine continuously.
- (IV) The rate of Fabrics and Bag are the Standard Rate prevailing in the market of India, at present. It is however subjected to change due to fluctuating market conditions.

### Our authorized Banking Partner(s)

1. **ICICI BANK- GROW INDIA, ACCOUNT NO-046505500306, IFSC CODE- ICIC0000465, BRANCH, P P ROAD BUXAR, BIHAR.**

### Important Terms and Conditions:

- 60% Advance at the time of order, Balance before dispatch of product.
- Loading/Unloading, Transportation and Packaging charges will be extra (GI won't be responsible for any kind Of transport / loading and unloading damage).
- Insurance cost (if any) to be bear by customer/buyer.
- Amount once paid is not refundable.
- Goods once sold will not be taken back in any condition.
- Invoice issued by GROW INDIA will be only valid for any kind of future claim/dispute/service/installation/delivery etc.

### Other detailed terms and conditions

You are requested to kindly go through all the terms and conditions and clear your doubt if any to make our relationship stronger.

#### \* Terms and Condition:-

1. Payment Terms: 60 % Advance at the time of order and balance payment before dispatch of machine.
2. Price Ex Buxar: All prices are ex-factory Buxar. Commissioning and Installation Charges will be extra.
3. Quotations: All written quotations automatically expire unless accepted within 15 days from the date quoted. All stenographic and clerical errors are subject to correction.

4. Packing & Transportation: Packing and transportation charges will be charged extra, Company will not be responsible in case if any damage would be happening in transportation (GI won't be responsible for any kind of transport/loading and unloading damage).
5. Taxes Extra: all taxes/duties will be charged extra.
6. Loading and unloading: Loading and unloading charges will be charged extra.
7. Warranty: One year on Spare part of the machine from the date of supply. Company will be liable only in case of any manufacturing defects only and not will be liable if it burns or happens with short circuit. Only repair service free if need parts than charge should be extra.
8. Insurance: Insurance to be arranged by you at your own cost.
9. Road Permit: Please send road permit (i.e., e-way bill) for out station, if required.
10. Note: Without any information company will not responsible for deposit payment in any other account.
11. Delivery time: 04 - 08 weeks
- 12...Installation Service is NOT AVAILABLE for dealer/trader, here dealer or trader define who purchase the machine/product at dealer rate. Any guarantee and warranty also NOT AVAILABLE for dealer/trader.
13. Paid amount is NON-REFUNDABLE [Refund is only possible if product is not dispatched within 6-8 weeks (in case of Indian machine) & within 10-12 weeks (in case of imported machine) after full payment received].
14. Goods once sold will not be taken back in any condition.
15. Grow India reserves the right to add or change the above terms and conditions and prices as and when required without giving any prior notice or assigning any reasons thereof.
16. Once your order will be placed then it will not be cancelled under any circumstances.
17. Disputes are under Buxar jurisdiction only.
18. You are requested to kindly speak the company authorized personnel only
19. If machine/product will get installed by any un-authorized personnel, Grow India won't be responsible for any damages (and all warranty and guarantee stand cancelled).
20. We do not have any bank account other than mentioned in QUOTATION.
21. Any product which you want to buy apart from mentioned in this QUOTATION will be treated as a separate deal.
22. We strongly suggest that do not deal with any un-authorized person even if he is saying that he is from Grow India.

**Thanking you and assuring you best co- operation.**

**THANKING YOU**

**GROW INDIA**