

Itarhi Road, Near PC College, Buxar
Buxar, Bihar, 802103, Email – growindia40@gmail.com,
www.growindia.co.in, Ph – 8810612987, 8210368884

QUOTATION

To				Invoice No.	GI -
	ITEM No.	DESCRIPTION	HS CODE	QTY (SET)	UNIT PRICE (INR/SET)
1.	GI-1300Aextrusion laminating machine (PE Coating machine)	8420100090		1	INR 70,00000.00
2.					INR 70,00000.00
TOTAL AMOUNT:					

GI 1300 extrusion coating and lamination machine

PRICE:- 70,000,00.00

Video link: <https://youtu.be/VCdH0Zuafeg>

GI series extrusion coating lamination machine is an eco-friendly machine. The principle of the process is that the plastic resin (PE/PP) are plasticized by the screw and then extruded from the t-die. After being stretched, they are attached to the surface of the paper. After cooling and compounding, The paper has the functions of waterproof, oil proof, anti-seepage, heat sealing, etc. The whole machine consists of feeding device, extruder, t-die, unwinding part, compounding part, winding part, correcting device, corona, trimming device, Cooling system, electrical measurement and control system and other components. The whole production process does not use any chemical solvents, it is environmental protection and pollution-free, and the finished products are widely used in food packaging, such as disposable paper cups, cold drink cups, burger paper bags, paper lunch boxes, food paper bags, aviation cleaning bags and so on

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(I) Technical Parameter

- 1.Applicable coating film resin: Coating grade like LDPE 、 PP etc .
- 2.Based material: paper (35~400g/m²)
- 3.Max working speed: 100~150m/min
- 4.width of coating film: 500-1200mm
- 5.Thickness of coating film: 0.01–0.05mm
- 6.Inaccuracy thickness of coating film: $\pm 5\%$
- 7.Setting range of Auto-tension : 20-400kg/entire width (constant tension)
- 8.Max extrusion: 200kg/h
- 9.Compound cooling roller: $\Phi 500 \times 1300$ mm (can choose)
10. Total power: about 120kw working power:50-80kw
- 11.Max rewinding diameter: $\Phi 1300$ mm
12. Inside diameter of base material: $\Phi 76$
- 13.Machine total weight: about 15000 kg
- 14.Overall dimension:9600mm×9000×3600mm (L×W×H)
- 15.Machine color: can choose

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(II) Main equipment introduction

- 1.Feeding part
2. Corona Treater
- 3.Extrusion and compounding part
- 4.Extruder
- 5.Trimming part
- 6.Rewinding part
- 7.Control Unit
- 8.Other equipment
- 9.Supporting facilities

(III) Main equipment Details

1、 Feeding equipment

- (1) Double work-station bearing feeding frame
- (2) Air expansion feeding shaft

Specification

- (1) Effective width: 1200mm
- (2) Max feeding diameter: Φ1300mm
- (3) Inside diameter of paper core : 3inch
- (4) Max weight air-expansion shaft support: 1200kg
- (5) Tension setting: 20-400kg
- (6) Tension control accuracy: $\pm 0.2\text{kg}$
- (7) Magnetic powder Brake (ZHEJIANG) 2 sets
- (8) Automatic tension control (ZHEJIANG) 1 set
- (9) Air-expansion feeding shaft 3 inch (NINGBO) 2pcs
- (10)Photocell edge regulating (CHONGQING) 1 set

Characteristic

- (1) Tension controller: you can input diameter and thickness parameter of base material based on

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replaced material, along with the rotated-loops changing, tension is decreased proportionally to achieve automatic tension control.

2. Corona Treater

Electric spark power: 6KW Corona Treater adopts dustproof ,interference-proof stucture, pneumatic switch cover equipment, achieve discharging ozone (Jiangsu)

3.Extrusion and compounding equipment

Structure

- (1) Three roller compounding mechanism, back pressing roller makes compounding roller to force evenly and compounding firmly.
- (2) Compounding and filling regulating roller can overcome defects such as uneven of film thickness.
- (3) Compounding and discharging eliciting roller.(SHANGHAI)
- (4) Compounding roller be droved by variable frequency motor independently.
- (5) The motor drives compounding roller be controlled by frequency changer.
- (6) Speed of compounding roller and rewinding roller synchronize tension automatically.
- (7) Cylinder buffer floating swing roller tension detection, precision positioner feedback.

Specifications

(1) Compounding roller: $\Phi 500\text{mm} \times 1300\text{mm}$	1 pc
(2) Silicone roller: $\Phi 255 \times 1300\text{mm}$	1 pc
(3) Back pressing roller: $\Phi 210 \times 1300\text{mm}$	1 pc
(4) 7.5kw planetary speed reducer ,motor	1 set
(5) 7.5kw frequency converter (Toshiba,Japan)	1 set
(7) Rotating joint	6 sets

Characteristic:

- (1) Cooling roller adopts high degree of finish roller, which can eliminate bubbles produced during the compounding process.
- (2) Silicone roller and cooling roller adopt screw-type cooling structure, which to make cooling quickly and laminating easily.
- (3) Rotary type water joints adopts domestic advanced seal structure ,to prevent leaking and prolong life of joints

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(4) Compounding roller is droved by one vector frequency electric motor, can adjust the speed quickly ,to making different thickness of the film which we need, Ensure the thickness uniformity the same.

4.Extrusion equipment

- (1) Car type extrusion machine
- (2) T-type die head (TTJC)
- (3) Automatic feeding equipment (Guangdong)
- (4) Automatic hydraulic changes filter (Our Factory patent)
- (5) Extrusion machine can move back and forth, up and down.
- (6) Screw and charging barrel linkage area are all heated with cast aluminum board.
- (7) High power and harden gear speed reducer (Jiangsu)
- (8) Temperature is controlled by Digital temperature controller automatically.
- (9) Stainless steel hopper
- (10) Six screw and charging barrel heating zones are controlled independently.
- (11) Seven die head heating zones are controlled independently

Specification:

- (1) Width of die head 1400mm; T-type runner, width of laminating, 500-1250mm, it could be adjust.
- (2) Screw diameter: Φ100mm (zhoushan ,Zhejiang)
- (3) Ratio of screw length to diameter: 30:1
- (4) 22kw AC motor (Lichao ,shanghai) 1set
- (5) 22kw frequency changer (Toshiba,Japan)) 1 set
- (6) 1.5kw Extrusion machine moving motor (Lichao ,shanghai) 1set
- (7) barrels heating power :6 sets*7.2kw=43.2 kw
- (8) T-cock power :4.5kw
- (9) Die neck power:2.8kw

Die heating power:7 sets*3 kw=21kw

Characteristic:

- (1) T-type flow structure, the key parts (die lip) to facilitate flexible adjustments plated lapping

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processed to ensure that the effect of the lamination was smooth.

(2) large length to diameter ratio, the resin more thoroughly when the winding is not easy crimping.

5. Trimming part

- (1) Disc slitting knife edge-cutter struction: sharp knife, edge clean
- (2) High pressure blower sucks scrap edge quickly

6. Rewinding equipment:

Structure:

- (3) Surface rewinding (Double work-station ,Non-stopping)
- (4) Surface rewinding roller is driven independently
- (5) Drive motor (SHANGHAI)
- (6) Frequency speed control
- (7) Rewinding shaft be pressed by compacting cylinder
- (8) It equipped feedback .
- (9) Linear slide rail (Taiwan)

Specification:

- 1、Rewinding diameter: $\Phi 1300\text{mm}$
- 2、Inside diameter of paper core: 3inch
- 3、Width of film coating: 1200mm
- 4、Surface rewinding roller, high degree of accuracy chrome Plated roller $\Phi 500$
- 5、7.5kw planetary speed reducer ,motor 1 SET
- 6、7.5kw frequency converter (Toshiba,Japan)) 1 SET
- 7、Rewinding air expansion shaft 3inch 2pcs

7. Control unit

- Independent electrical control cabinet, temperature display control
- PLC Centralized control (Hollysys)
- HMI (Taiwan Wenview)

Characteristic :

1. The machine adopts PLC One-touch centralized controls, advanced touch screen control system.
2. It controls the speed of the extruder and compounding body at the same time, the extruder along with the

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compounding body to higher speed, lower speed, and proportional increasing or decreasing, assure film thickness is constant

3. According to requirements, set coating film thickness, the extruder can cooperate compounding body speed automatically, to reach setted the film thickness.

4. Multi-parameter memory function, feel free to call stored in the parameters system.

5. Tension, speed and working condition are dynamic display

8. Other equipment

- frequency control
- Cylinder buffer floating swing roller tension detection, precision positioner feedback
- rewinding air shaft pneumatic compression device
- All balancing aluminum guide roll Guide roller: Ø 90—120×1300mm
- The rack adopts the wallboard structure
- Pneumatic: all are excellent quality, gas circuit can be controlled in the first touch.
- Cylinder
- Low-voltage components: all are UC Certified products.
 - a) circuit breaker France Schneider,
 - b) AC contactor France Schneider
 - c) 24V intermediate relay France Schneider
 - d) 220V / N intermediate relay France Schneider
 - e) light button, knob light, mushroom head button, Zhejiang Hongbo
- Drive unit
- Automatic mechanical transmission system (main motor, composite, the winding motor)

9. Supporting facilities--Offer by customer self

- (1) Power: 3 phase 380V 50Hz (three phase four wire system)
- (2) Barometric pressure: 6~8/kg/cm²
- (3) Water pressure: 2~3kg/cm²

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10. Spare parts

Spare parts list				
Item	Name		Quantity	Part belong to
1	Thermocouple 3M		2	Extruder
2	Thermocouple 4M		2	
3	Thermocouple 5M		2	
4	temperature controller		2	
5	travel switch 8108		1	
6	Solid relay 75A		2	
7	Solid relay 150A		2	
8	Micro-regulating valve 520		1	
9	proximity switch 1750		2	
10	heater unit			Screw
11	Alu	Φ160*200	2	
12		Φ160*150	2	
13	Iron	Φ160*200	2	
14		Φ160*150	2	
15	Alu	Φ90*150	2	
16		Φ350X100	2	
17		240X220	1	
18		220X120	1	
19		220X220	1	
20	Mould heating tube (Long)		2	Die
21	Mould heating tube (short)		2	
22	Water joints	each side 1pc		
23	High temperature tape		1	Cover on rubber roller
24	Air shaft		2	Unwinder and rewinder
25	Air cock		6	Air shafts
26	Air gun		2	air shaft
27	pneumatic connector		several	air-supply
28	Rubber cover		1	Corona
29	Circulate slits		5	Trimming
30	Copper sheet		5	Die clean tool
31	Filter		1	Tee

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32	Drag chain	4		Extruder electric wire safty cover	
33	Tool box	1		one for machine one for die	

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.**

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- 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