



**HAO YU Precision Machinery Industry Co., Ltd.**  
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CE ISO 9001



HE SERIES

# PP/HDPE

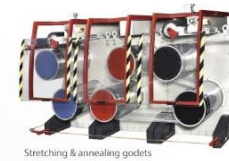
HIGH SPEED FLAT YARN EXTRUSION LINE



HIGH SPEED

## Flat Yarn Extrusion Line

The extrusion machine is designed for producing PP/HDPE raffia tape. Capacity is 100-520 kg/hr, and the unit is equipped with a belt type screen filter changer and rotary type tape slitting unit for none-stop operation. The machine features low energy consumption, less down time and reduces production loss. The pressure rollers of the equipment are pneumatic controlled, and have one-step synchronize control electronic system. The machine can incorporate with European-made gearbox, T-die, melt pump, in-line plastic film measuring system and tape winder upon customer's special requirement.



Stretching & annealing godets



Heavy duty type



Electronically controlled yarn tensioner



OVERALL VIEW

**HAO YU**

# Company Profile

HAO YU Precision Machinery Industry Co., Ltd. is a special and professional manufacturer of PP and HDPE woven bag machinery and whole-plant equipment. Since its establishment 1980, HAO YU has been dedicated to the research and development of high performance machinery. Our dedication to continuous research and development is the reason for the excellence of HAO YU machines. Our objective is to enhance our present machinery and develop new models that improve the efficiency, product quality and profitability for our customers.

From the beginning, HAO YU has focused its energy on the development of advanced woven bag making machines, incorporating the latest ideas in technology. HAO YU machines have been supplied to over 100 countries and have received the full satisfaction of our customers. This level of dependability is achieved through outstanding engineering efficiency, continuous research & development, and rigorous quality control, combined with our strong commitment to customer services. In addition, our engineering ability has earned us "The 3rd R.O.C. Golden Dragon Award" and "Taipei Plast 2008 - Best Design Award". However we never stop improving our technology. The future and continuous success of HAO YU depends upon further servicing our customers with high quality machines that fully meet their requirements.

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## HE Series PP/HDPE

HIGH SPEED FLAT YARN EXTRUSION LINE

More than 42 years experience in woven bag equipment field, HAO YU is pleased to present the most advance PP/HDPE fla yarn extrusion line in Taiwan, which offer outstanding features.



### One Stop Solution for...



#### EXTRUDER

Capacity from 100 to 520kgs/hour.

- ▶ The screw and barrel are manufactured from SCM-1 alloy steel, nitrogen treated and precision ground.
- ▶ Gears inside the gearbox are precision ground for noise-free running. Equipped with a water cooling system for cooling the oil of the gearbox.
- ▶ Built with auto loader and patent design material force feeding unit.
- ▶ Choice of AC or DC motor drive.
- ▶ Low energy consumption.



#### ROTARY SLITTING BLADES

- ▶ Constructed with single row slitting blade for fast & easy replacement.
- ▶ The slitting width is adjustable.
- ▶ Full pneumatic operation for convenience.
- ▶ Fitted with edge trim auto - recycle unit.



#### STRETCHING UNIT

- ▶ Two stages hot air circulation system ensures raffia tape proper stretched.
- ▶ Air flow volume is adjustable.
- ▶ Air flow orientation design.



#### TAKE OFF UNIT

- ▶ Exclusive 2-4 independent driving motors provide raffia tape with superior quality.
- ▶ Static electricity elimination provided.
- ▶ Waste yarn collection box for reclaiming is provided.

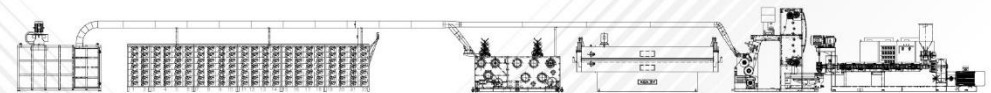


#### OPTIONAL EQUIPMENT

- ▶ Touch screen interface.
- ▶ Chiller.
- ▶ Air conditioning unit for electrical cabinet.
- ▶ Static mixer unit.
- ▶ Gravimetric dosing system.
- ▶ Tape fibrillation device.
- ▶ 6 rows slitting blade unit available upon special request.
- ▶ Plastic melt pump.
- ▶ In-line plastic film thickness measuring system.
- ▶ Interchangeable profile tape T-die.

## Dedication to Quality Ensures Reliable Performance

	SPECIFICATIONS:	HY7/SP-70HE	HY7/SP-80HE	HY7/SP-90HE	HY7/SP-100HE	HY7/SP-110HE	HY7/SP-120HE
<b>EXTRUDER</b>	Screw diameter	70 mm	80 mm	90 mm	100 mm	110 mm	125 mm
	Screw L/D	30/1	30/1	30/1	30/1	30/1	30/1
	Screw material	SCM-1	SCM-1	SCM-1	SCM-1	SCM-1	SCM-1
	Cylinder material	SCM-1	SCM-1	SCM-1	SCM-1	SCM-1	SCM-1
	Maximum PP melting output	100 kg/h	160 kg/h	240 kg/h	320 kg/h	420 kg/h	520 kg/h
	Maximum HDPE melting output	80 kg/h	120 kg/h	170 kg/h	240 kg/h	320 kg/h	410 kg/h
<b>T-DIE</b>	T die width	450 mm	650 mm	900 mm	1150 mm	1450 mm	1700 mm
	<b>STRETCHING DEVICE</b>	Type	Hot Air Oven (4-6M)	Hot Air Oven (4-6M)	Hot Air Oven (4-6M)	Hot Air Oven (4-6M)	Hot Air Oven (4-6M)
<b>TAKE-OFF UNIT B AND ANNEALING</b>	Take off godet	6-8 pcs	6-8 pcs	6-8 pcs	6-8 pcs	6-8 pcs	6-8 pcs
	R.P.M. display	450 m/min	450 m/min	450 m/min	450 m/min	450 m/min	450 m/min
<b>WINDING MACHINE (With Synchronized Control)</b>	Number of winder	70 pcs	98 pcs	154 pcs	196 pcs	252 pcs	294 pcs
	Flat yarn wind-up roll	Ø130 x 200 mm (L)	Ø130 x 200 mm (L)	Ø130 x 200 mm (L)	Ø130 x 200 mm (L)	Ø130 x 200 mm (L)	Ø130 x 200 mm (L)
	Maximum mechanical winding speed	450 m/min	450 m/min	450 m/min	450 m/min	450 m/min	450 m/min
<b>GENERAL</b>	Tape line speed (Max)	400 m/min	400 m/min	400 m/min	400 m/min	400 m/min	400 m/min
	Denier application	500 - 1200	500 - 1200	500 - 1200	500 - 1200	500 - 1200	500 - 1200



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