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Technical Brochures & Product Catalogs 2026

#	Product Category
1	Sheet, Plate & Film Extrusion Line
2	Nonwoven Fabric Production Line
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8	Recycling & Compounding System

Dongguan Yaoan Plastic Machinery Co., Ltd. (YAOAN)	40 Years of Excellence in Plastic Extrusion Equipment	Address: Dalang Town, Dongguan City, Guangdong, China	Web: www.an-fu.com Email: hello@an-fu.com Tel: +86-769-82811789	Certifications: ISO9001, ISO14001, CE
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Product Overview

PLA, PET, ABS, PC, PS, PMMA, PP, PE and PVC sheet extrusion solutions. Multi-layer co-extrusion, customized width and thickness options. Applications: packaging, automotive, construction and industrial sheets.

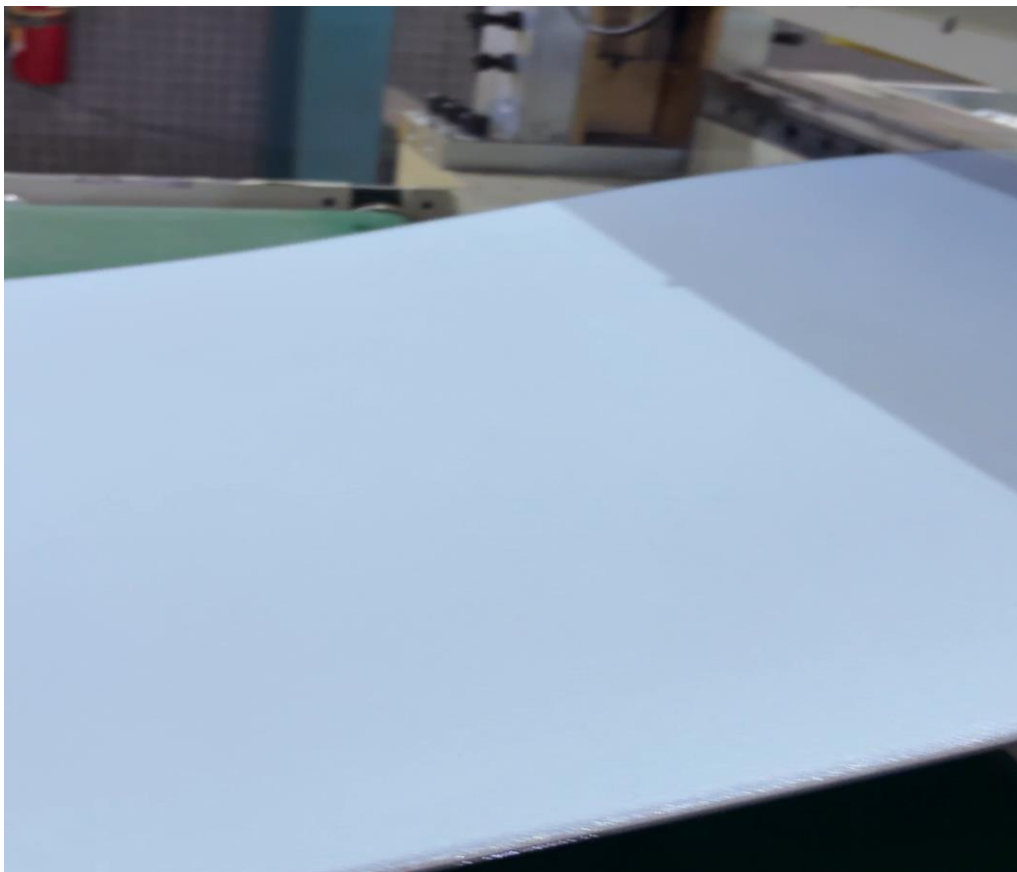
CTA: Request Technical Datasheet | Get Customized Extrusion Solution | Contact Engineering Team

PP sheet



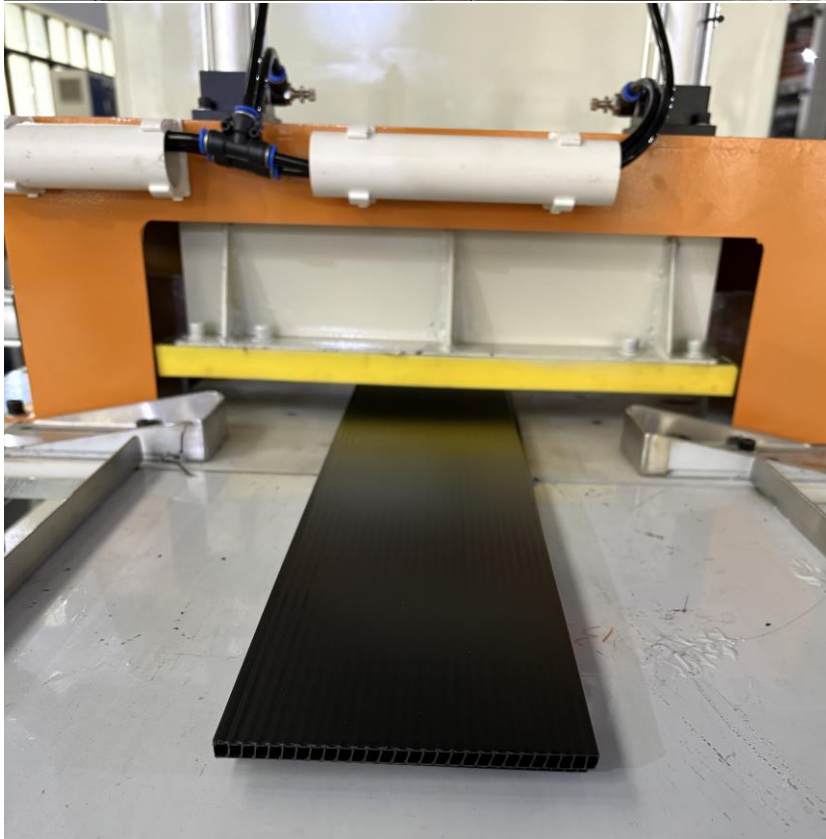
Thickness range(mm)	Thickness deviation(mm)	Effective width(mm)	highest output (kg/h)	production line speed(m/min)	Installed capacity(kw)
0.3-1.5	<u>+0.015</u>	800	150-200	5-15	185

ABS bag sheet



Thickness range(mm)	Thickness deviation(mm)	Effective width(mm)	highest output (kg/h)	praw material	Extruder Specifications
1.5-3.5	+0.015	1000	300-350	PC/ABS /Crushed material	φ120mm×35D + φ65mm×33D

Hollow board production line



Thickness range(mm)	Thickness deviation(mm)	Effective width(mm)	highest output (kg/h)	production line speed(m/min)	Installed capacity(kw)
2-6	+0.015	1200	15-20	2-4	90

Thick plate production line

Thickness range(mm)	Thickness deviation(mm)	Effective width(mm)	highest output (kg/h)	praw material	Extruder Specifications
10.5-102.5	0.2	1250	15-25	POM	Φ55



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Sheet, Plate & Film Extrusion Line

- ✓ Max Width: 3000mm (PP/PE up to 6000mm) | Thickness: 0.6–30mm
- ✓ Multi-layer Co-extrusion (AB, ABA, ABC, ABCB structures)
- ✓ PLC Control, CE Certified, ISO9001 / ISO14001
- ✓ Customized Screw & Die Design for PLA, PET, ABS, PC, PP, PE

Product Introduction

YAOAN single-layer and multi-layer co-extrusion lines are designed to meet diverse customer requirements. Machines can be configured with single or double extruders, combined with horizontal, inclined, or vertical three-roller calender stacks. Suitable for ABS, PC, PS, PMMA, PP, PE, PVC, and biodegradable materials like PLA/PET.

Table of Contents

1. Product Introduction & Applications
2. Technical Parameters
3. Standard Machine Configuration
4. Why Choose YAOAN?
5. Contact & Inquiry

Technical Parameters

Model	Raw Material	Width (mm)	Thickness (mm)	Layers	Remarks
Single/Multi-layer	ABS/PC/PS/PMMA	≤3000	0.6-12	1-5	Luggage, Auto Interior
Single/Multi-layer	PP/PE	≤6000	0.6-12	1-5	Wide Format
PLA/PET Sheet Line	PLA/PET (No pre-cryst.)	600-1300	0.1-1.5	1-5	Double vacuum, Melt pump
Thick Board Line	ABS/PP/PE/PA/PC	≤3000	3-30	1-5	Industrial use
Medical Sheet Line	PP/PE/HDPE	500-2500	2-10	Single	High flatness

Standard Configuration

- Extruder: High-efficiency single-screw, customized for material
- Screen Changer: Hydraulic, double-station, no leakage
- Melt Pump: USA Dynisco sensor & pump, closed-loop pressure control
- Die: Coat-hanger style, polished & hard chrome plated
- Calender: Vertical/inclined, independent oil temp control
- Control: Siemens/Schneider PLC automation

Applications

Luggage, medical devices, automotive interiors, food packaging, construction templates, waterproof membranes.

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Nonwoven Fabric Production Line

PP Spunbond & Meltblown Nonwoven Fabric Production Equipment

SEO Title: PP Spunbond Nonwoven Fabric Production Line Brochure & Parameters | YAOAN

SEO Keywords: nonwoven fabric machine, PP spunbond line, melt blown machine, AF-1000, AF-3200, YAOAN

- ✓ Automatic Weighing & Batching System
- ✓ New Screw Design for High Output & Low Energy
- ✓ Models: AF-1000 to AF-3200
- ✓ Applications: Medical, Agriculture, Packaging, Geotextiles

Product Introduction

Our PP spunbond nonwoven fabric production lines adopt a multi-formula weighing automatic batching system with new screw structure for excellent mixing and plasticization. The whole line features compact design and low energy consumption, widely used in medical, packaging, agriculture and related fields.

Table of Contents

- 1. Machine Overview
- 2. Technical Parameters
- 3. Production Process
- 4. Applications
- 5. Contact & Inquiry

Technical Parameters

Model	Screw (mm)	L/D	Width (mm)	Speed (m/min)	Output (T/day)
AF-1000	φ90	32:1	1000	10-120	2-3
AF-1600	φ135	33:1	1600	5-120	4-5
AF-2400	φ150	33:1	2400	5-120	7-8
AF-3200	φ170	33:1	3200	5-120	9-10

Standard Configuration

- Vacuum feeding & automatic weighing batching system
- New-type screw for high mixing & plasticization
- Melt filtration with hydraulic screen changer
- Spin beam with precise temperature control
- Thermal bonding calender (hyper & crisp point)
- Slitting & winding unit with tension control

Applications

Medical dressings, filtration, agricultural cover, packaging, geotextiles, household goods.

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Pipe Extrusion Line

Conical Twin-Screw PVC/PP/PE Pipe Extrusion Line

SEO Title: [PVC Pipe Extrusion Line Machine Technical Data & PDF Download | YAOAN](#)

SEO Keywords: pipe extrusion line, conical twin screw extruder, PVC pipe machine, SJZ65/132, plastic pipe making machine

- ✓ Suitable for PVC / PP / PE Pipes
- ✓ Hydraulic Screen Changer, Vacuum Calibration
- ✓ Models: SJZ35/75 to SJZ92/188
- ✓ High Torque Gearbox, Precise Temp Control

Product Introduction

YAOAN conical twin-screw pipe extrusion lines are suitable for PVC, PP, PE and other plastic pipes. The system is configured with hydraulic screen changer, vacuum calibration tank, haul-off and cutting units for fully automated pipe production.

Table of Contents

1. Machine Features
2. Technical Parameters
3. Downstream Equipment
4. Contact & Inquiry

Technical Parameters

Model	Screw (mm)	Max RPM	Motor (kW)	Output (kg/h)
SJZ35/75	35/75	47.4	11	35-60
SJZ45/97	45/97	41	18.5	70-125
SJZ50/105	50/105	38.7	22	90-140
SJZ55/110	55/110	37.5	30	120-180
SJZ65/132	65/132	39.1	37	180-320
SJZ80/156	80/156	37.7	55	250-450
SJZ92/188	92/188	40	110	600-800

Standard Configuration

- Conical twin-screw extruder with high torque gearbox
- Hydraulic screen changer (double station)
- Vacuum calibration tank (stainless steel)
- Inverter controlled haul-off unit (2/4/6/8 claws)
- Synchronized cutting machine (chip-free / planetary saw)
- Automatic stacking table

Applications

PVC drainage pipes, irrigation pipes, PE gas pipes, PP water supply pipes, industrial pipelines.

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Profile, Pipe & Rod Extrusion Line

Profile, Pipe & Rod Extrusion Equipment with Custom Mold Design

SEO Title: [Plastic Profile, Pipe & Rod Extrusion Line Catalog | YAOAN Customized Solutions](#)

SEO Keywords: profile extrusion line, plastic rod extrusion, YF-50, YF-300, custom extrusion, YAOAN

- ✓ Dedicated R&D for Non-standard Molds
- ✓ Suitable for Construction, Furniture, Auto
- ✓ Models: YF-50 to YF-300
- ✓ High Precision Vacuum Calibration

Product Introduction

YAOAN profile, pipe and rod extrusion lines are equipped with specialized R&D teams supporting non-standard mold design — our core competitive advantage. Suitable for various profiles in construction, furniture, automotive and industrial applications.

Table of Contents

1. Product Overview
2. Technical Parameters
3. Machine Configuration
4. Contact & Inquiry

Technical Parameters

Model	Max Size	Extruder	Suitable Product	Remarks
YF-50	Custom	Custom	Small Profiles	Contact for specs
YF-150	Custom	Custom	Medium Profiles	Contact for specs
YF-240	Custom	Custom	Large Profiles	Contact for specs
YF-300	Custom	Custom	Extra Large	Contact for specs

Standard Configuration

- Special screw & barrel for various materials (PC, PA, PP, PE, PVC, PMMA, etc.)
- 3D electric vacuum calibration table
- Inverter controlled haul-off unit
- Synchronized cutting machine
- Mold design & development team
- Full PLC automation control

Applications

Window profiles, door frames, ceiling trims, handrails, rods, tubes for furniture and automotive.

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Filament & Monofilament Extrusion Line

Monofilament & Filament Production Equipment for Textile & Industrial Use

SEO Title: [Monofilament & Filament Extrusion Machine Data Sheet Download](#) | YAOAN

SEO Keywords: monofilament extrusion line, filament machine, PP raffia, AF-120, brush filament

- ✓ Suitable for Nylon, PP, PET
- ✓ For Brush, Fishing Line, Zipper Tape
- ✓ Models: AF-65 to AF-120
- ✓ High Output & Stable Extrusion

Product Introduction

YAOAN monofilament and filament extrusion lines are suitable for nylon, PP, PET and other raw materials. Used for brush filaments, fishing lines, zipper tapes and industrial raffia products.

Table of Contents

- 1. Machine Introduction
- 2. Technical Parameters
- 3. Applications
- 4. Contact & Inquiry

Technical Parameters

Model	Output (kg/h)	Winding (m/min)	Denier	Raw Material
AF-65	120-200	Custom	Custom	PP/PE
AF-80	200-350	Custom	Custom	PP/PE/PA
AF-90	300-450	Custom	Custom	PP/PE/PA/PET
AF-120	450-600	Custom	Custom	PA/PET

Standard Configuration

- Special spinneret plate for uniform filament output
- Heating & cooling zone with precise temperature control
- Take-up & winding unit with constant tension
- Anti-static device for nylon filaments
- Dedusting system for clean production
- PLC control for stable line operation

Applications

Brush filaments, fishing lines, zipper tapes, industrial raffia, agricultural nets.

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Foam & Special Extrusion Line

EPE / EPS Foam Sheet & Special Co-extrusion Equipment

SEO Title: [EPE Foam & Special Extrusion Line Brochure 2026 | YAOAN](#)

SEO Keywords: EPE foam sheet line, XPE foam machine, special extrusion, EPE-200, foam extrusion

- ✓ EPE/EPS Foam Sheet, XPE/IXPE Cross-linked Foam
- ✓ Multi-layer Co-extrusion Available
- ✓ Models: EPE-90 to EPE-200
- ✓ LDPE Material

Product Introduction

YAOAN foam extrusion lines produce EPE/EPS foam sheets and XPE/IXPE cross-linked foam products. The equipment features multi-layer co-extrusion capability for enhanced product performance.

Table of Contents

- 1. Product Description
- 2. Technical Parameters
- 3. Features
- 4. Contact & Inquiry

Technical Parameters

Model	Screw (mm)	Thickness (mm)	Foam Ratio	Material
EPE-90	90	0.3-5	Custom	LDPE
EPE-120	120	0.5-10	Custom	LDPE
EPE-150	150	1-15	Custom	LDPE
EPE-200	200	2-20	Custom	LDPE

Standard Configuration

- Special foaming screw design for uniform cell structure
- Degassing zone for efficient gas removal
- Three-roller calender for foam consolidation
- Cooling & winding section
- Optional cross-linking system for XPE/IXPE
- PLC control with foam density monitoring

Applications

Packaging foam, construction insulation, automotive interior padding, sports equipment.

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Coating & Cladding Extrusion Line

Extrusion Coating & Cladding Production Equipment

SEO Title: [Extrusion Coating & Lamination Line Specifications PDF](#) | YAOAN

SEO Keywords: extrusion coating line, lamination machine, cladding extrusion, AF-4400, paper coating

- ✓ Stable Tension Control System
- ✓ Smooth & Beautiful Surface Lamination
- ✓ Models: AF-1300 to AF-4400
- ✓ Suitable for Paper, Fabric, Film

Product Introduction

YAOAN extrusion coating and cladding lines feature stable substrate tension control. After coating, the product surface is smooth and beautiful, tightly bonded with the 底层 plastic substrate as one integrated unit.

Table of Contents

1. Machine Overview
2. Technical Parameters
3. Applications
4. Contact & Inquiry

Technical Parameters

Model	Width (mm)	Capacity (kg/h)	Substrate	Remarks
AF-1300	1300	70-150	Paper/Fabric/Film	Standard
AF-1600	1600	100-250	Paper/Fabric/Film	Standard
AF-2600	2600	200-350	Paper/Fabric/Film	Standard
AF-4400	4400	300-450	Paper/Fabric/Film	Wide Width

Standard Configuration

- Substrate unwinding system with tension control
- Extrusion die with adjustable lip clearance
- Lamination/nip roller with heating & cooling
- Top & bottom protective film stands
- Cooling section & air knife system
- Inverter haul-off & winding unit

Applications

Paper coating, fabric lamination, film bonding, decorative surface layers, composite materials.

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Recycling & Compounding System

Plastic Recycling & Compounding Pelletizing System

SEO Title: [Plastic Recycling & Compounding Pelletizing System Catalog](#) | YAOAN

SEO Keywords: recycling extruder, pelletizing system, compounding machine, underwater pelletizing, AF-Twin-180

- ✓ Single/Double Stage Options
- ✓ Underwater / Strand Pelletizing
- ✓ Energy Consumption Data Provided
- ✓ Models: AF-Single-50 to AF-Twin-180

Product Introduction

YAOAN recycling and compounding systems offer single or double stage configurations with underwater or strand pelletizing options. Energy consumption data is provided for overseas customers to evaluate operating costs.

Table of Contents

1. System Introduction
2. Technical Parameters
3. Machine Features
4. Contact & Inquiry

Technical Parameters

Model	Stage	Output (kg/h)	Pelletizing	Material
AF-Single-50	Single	50-150	Strand/Water	PP/PE/PS
AF-Single-100	Single	200-500	Strand/Water	PP/PE/PS
AF-Twin-130	Double	400-900	Underwater	Eng. Plastic
AF-Twin-180	Double	800-1500	Underwater	Eng. Plastic

Standard Configuration

- Single or twin stage optional configuration
- Underwater die-face pelletizing for twin stage
- Strand pelletizing for single stage
- Degassing venting zone for moisture removal
- Gear pump for consistent output
- Energy monitoring for operational cost control

Applications

Post-consumer plastic recycling, engineering plastic compounding, masterbatch production, regrind processing.

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