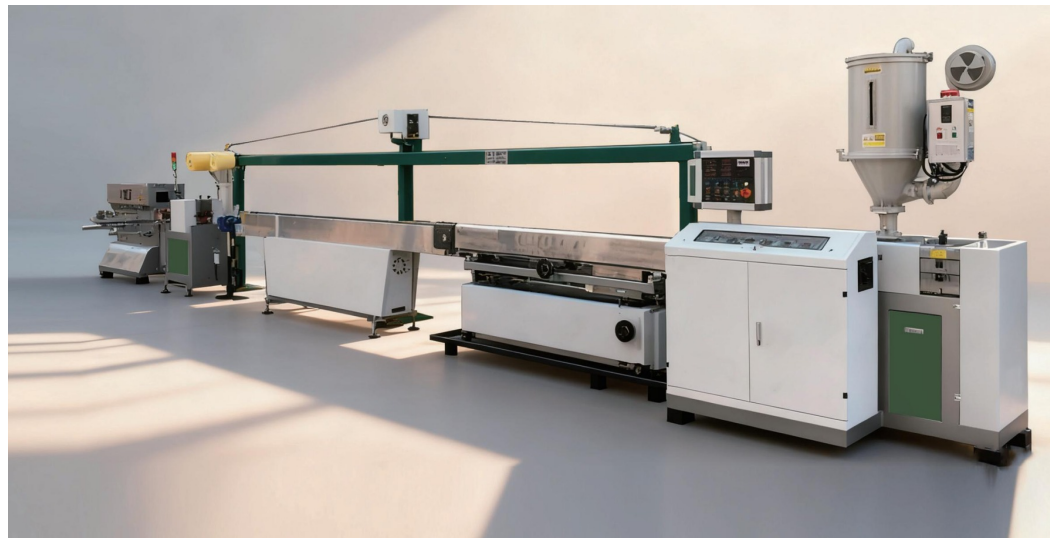


Shape the next possibility.

Precision extrusion. Filament production. Industrial plastics.



EXTRUSION SYSTEMS CATALOGUE

2026 / ENGLISH EDITION

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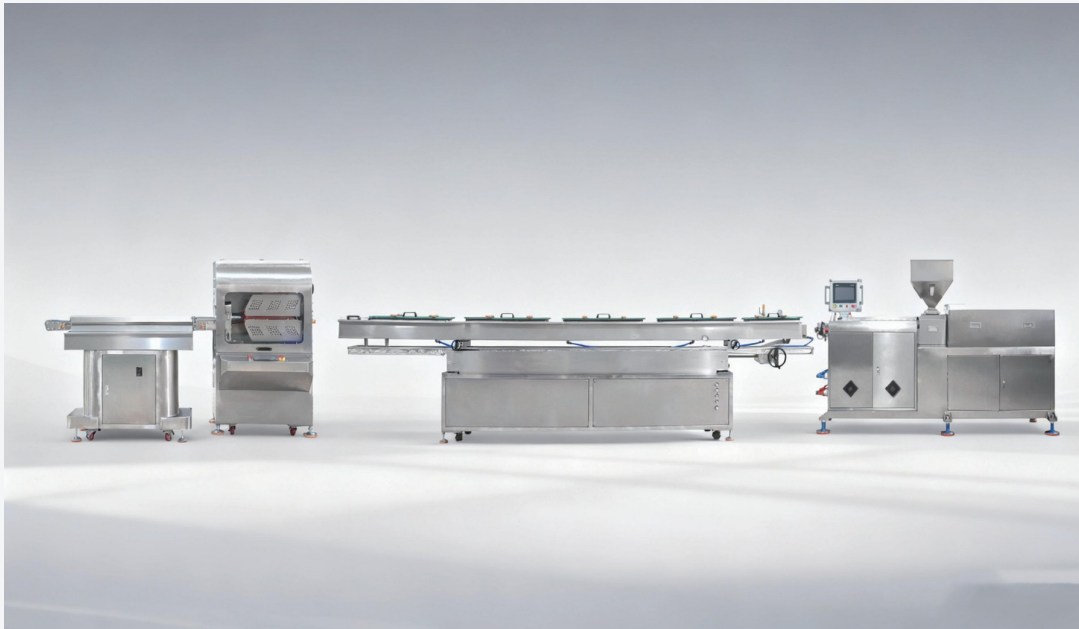
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Precision Medical Tube Extrusion Line



APPLICATION & PROCESS

Continuous extrusion of precision tubing for infusion and catheter applications. Screw, die and online gauging are selected for the material and dimensions.

SELECTION DATA

Tube diameter

0.5-30 mm

Extrusion output

3-60 kg/h

Screw diameter

25-80 mm

Screw L/D

28:1-32:1

Main motor power

3-37 kW

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Medical Multi-Lumen Tube Extrusion Line



APPLICATION & PROCESS

For dental and multi-channel tubing. Co-extrusion, servo haul-off and synchronized line control are configured around the lumen geometry.

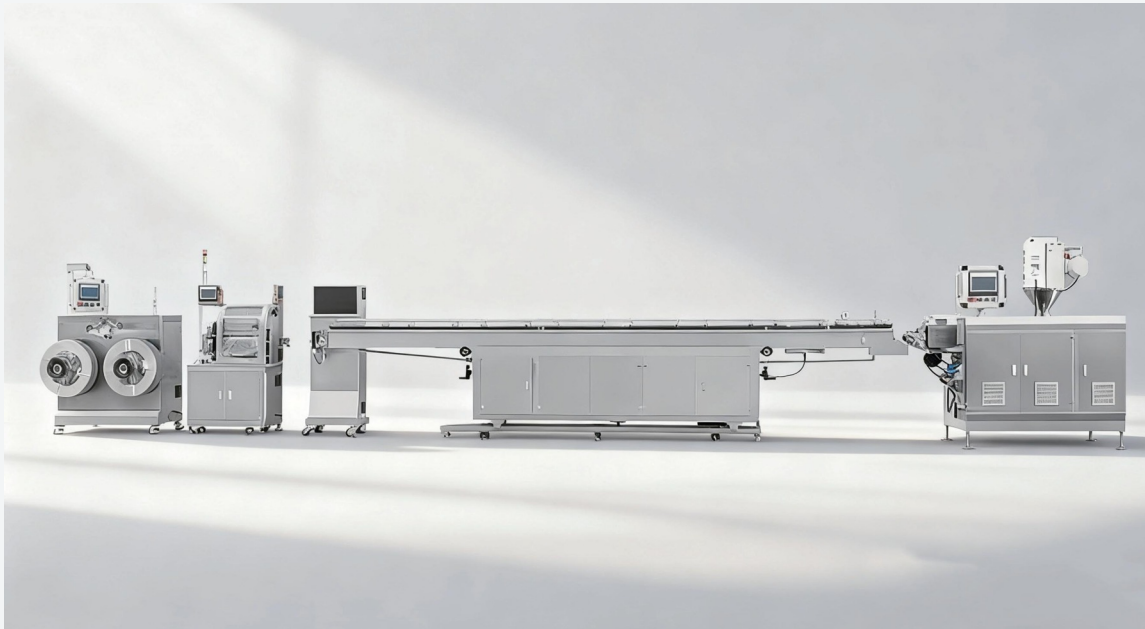
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

High-Speed IV Tubing Extrusion Line



APPLICATION & PROCESS

Combines a high-speed screw, cooling bath and haul-off for continuous IV tubing production. Throughput depends on the resin and finished tube specification.

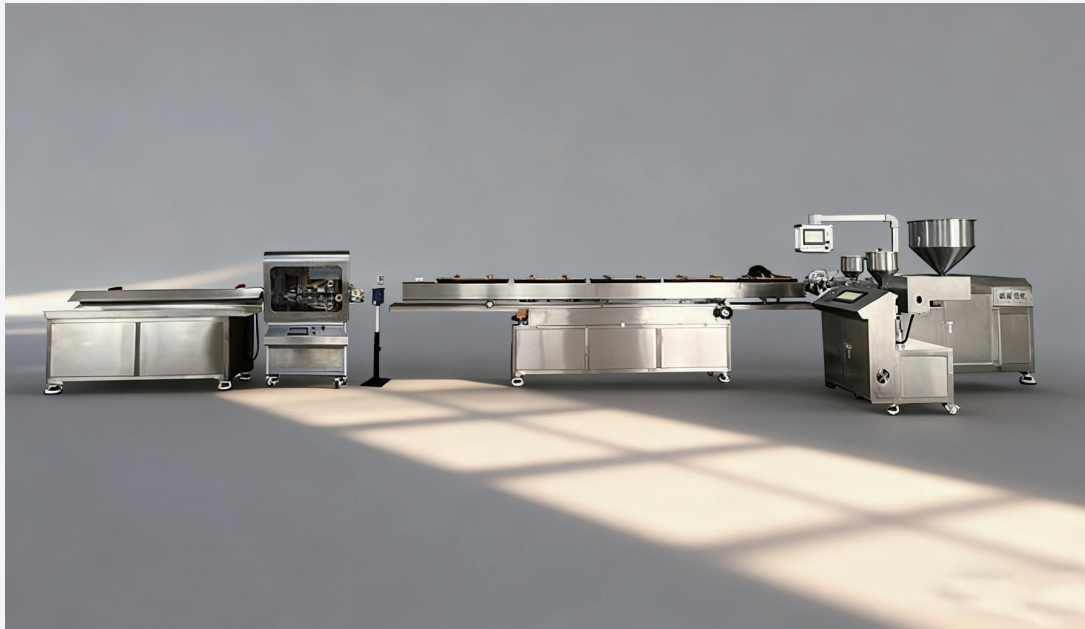
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Endotracheal Tube Extrusion Line



APPLICATION & PROCESS

Extrusion for endotracheal tubing. Specify diameter, wall thickness, resin and downstream processing requirements to define the configuration.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Precision Micro-Tube Extrusion Line



APPLICATION & PROCESS

For micro-catheters and microfluidic tubing, using micro-extrusion, closed-loop control and controlled-tension winding.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Dental Saliva Ejector Tube Extrusion Line



APPLICATION & PROCESS

For dental saliva ejector tubing. The line is configured around tube construction, materials and insert requirements.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Two / Three-Layer Light-Blocking Tube Line



APPLICATION & PROCESS

Multilayer co-extrusion with temperature control and wall monitoring for light-blocking infusion and drug-delivery tubing.

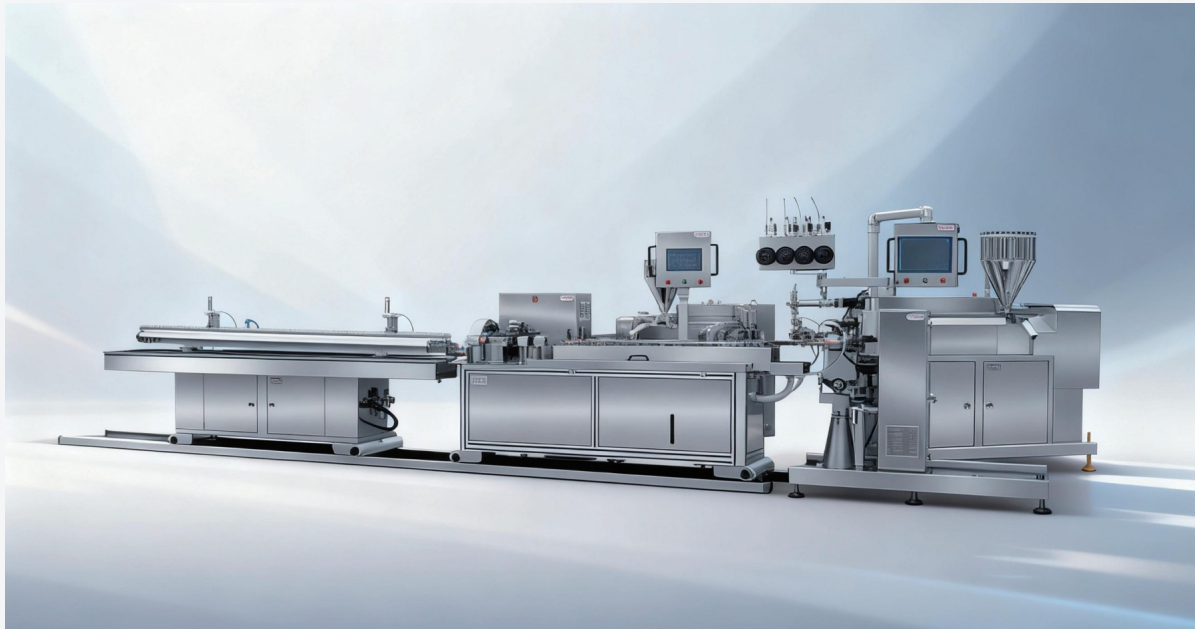
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Heating-Wire Winding Tube Extrusion Line



APPLICATION & PROCESS

Combines extrusion and winding for tubing incorporating heating wire. Configuration follows wire routing and tube diameter requirements.

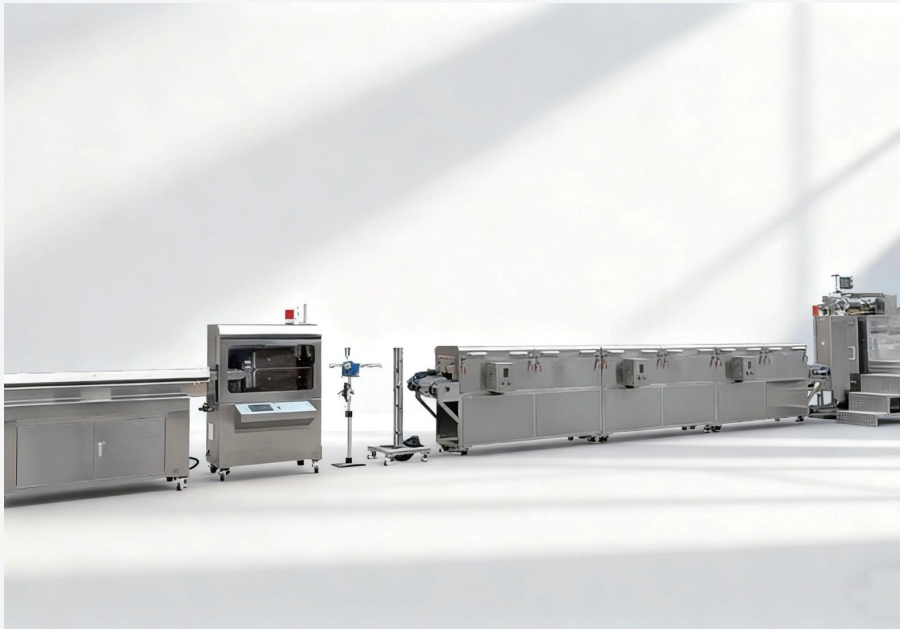
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Silicone Foley Catheter Extrusion Line



APPLICATION & PROCESS

Uses a silicone-specific extrusion system, multizone temperature control and servo control for Foley catheter and other silicone tubing applications.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Medical Corrugated Tube Extrusion Line



APPLICATION & PROCESS

Dedicated forming head and modules for corrugated respiratory, anesthesia and drainage tubing. Tooling is selected for the corrugation and diameter.

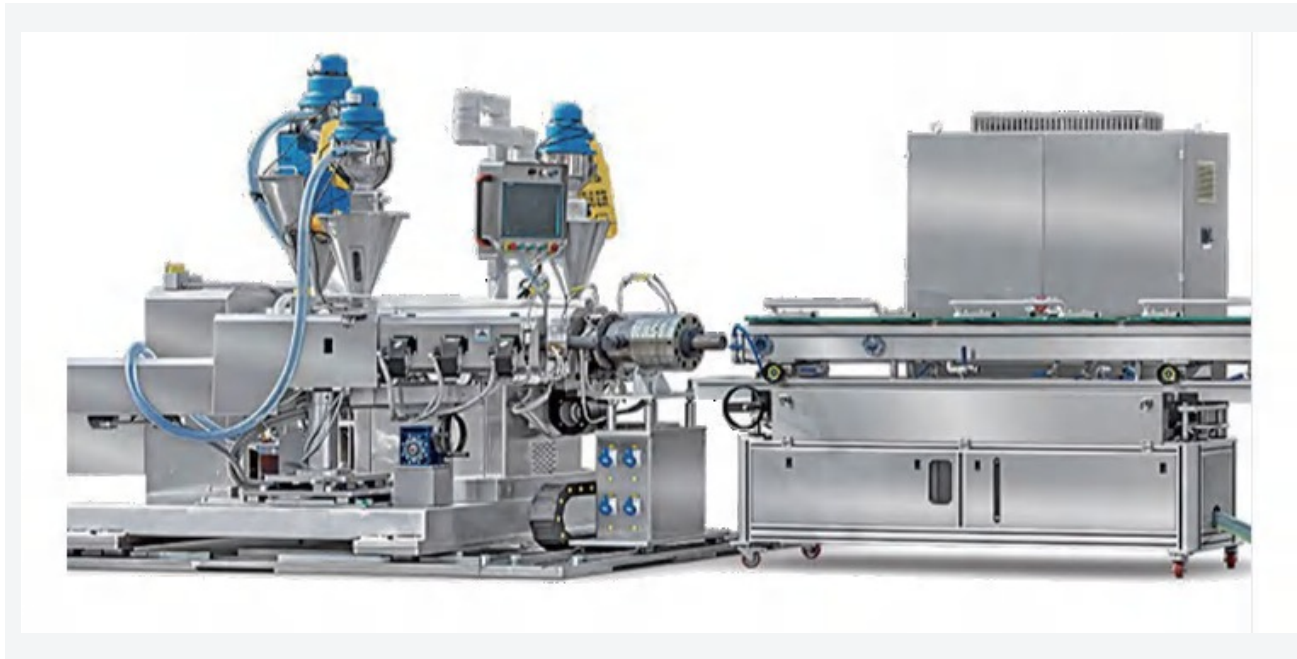
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Multilayer Co-Extruded Hose Line



APPLICATION & PROCESS

Multi-material co-extrusion for composite flexible hose. Layer count, resin compatibility and layer ratios are application-specific.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Reinforced Composite Hose Extrusion Line



APPLICATION & PROCESS

Integrates inner tube extrusion, yarn reinforcement and outer coating for reinforced hoses and composite fluid-transfer tubing.

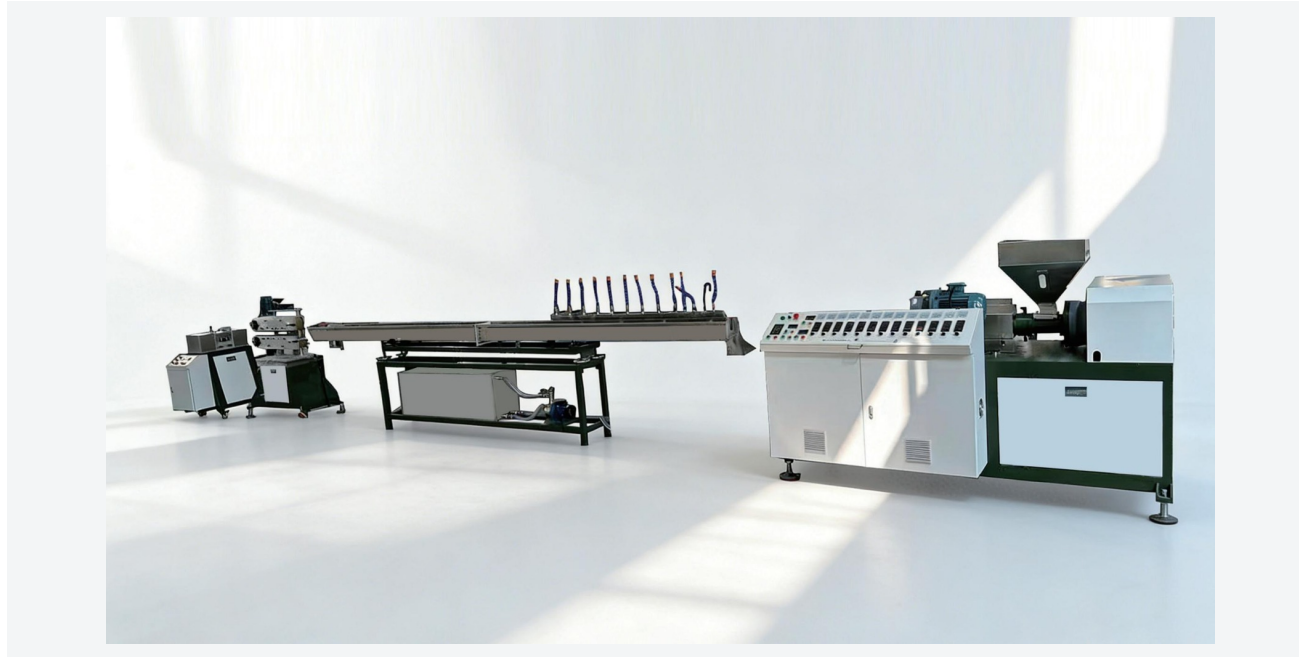
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Rubber Band Extrusion Line



APPLICATION & PROCESS

For elastic band products, combining extrusion, cooling and downstream processing. Provide the compound and target dimensions for selection.

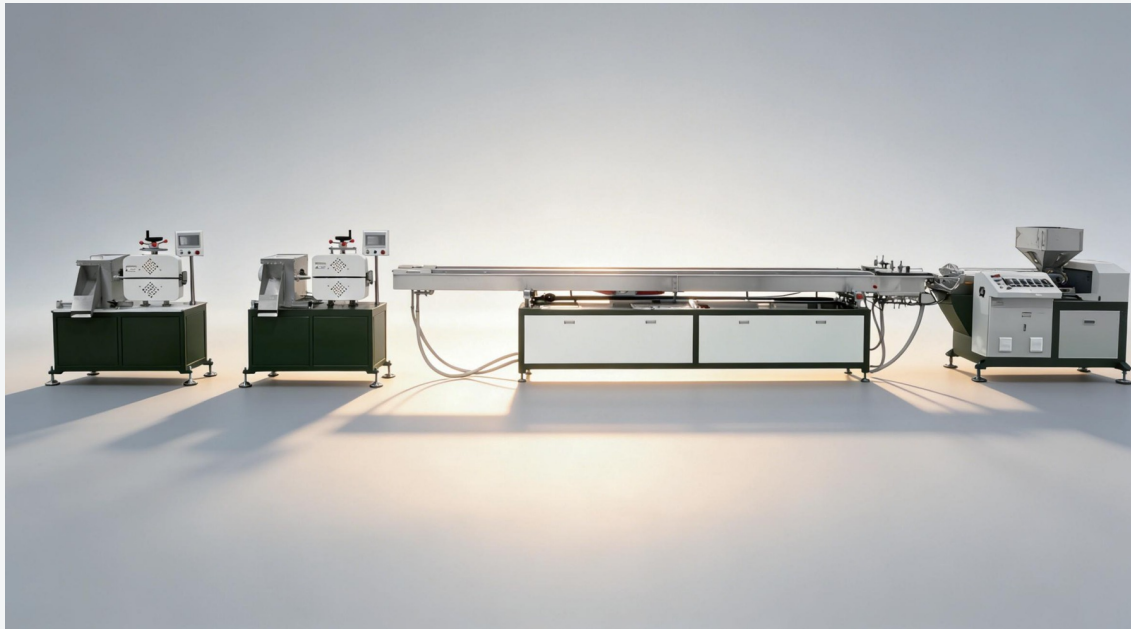
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Dual-Pipe Extrusion Line



APPLICATION & PROCESS

One extruder feeds two dies for parallel pipe production, including PE and PP tubing applications.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Multicolor Straw / Fuse Bead Extrusion Line



APPLICATION & PROCESS

For multicolor straws and fuse-bead tubing. Select the configuration by color count, dimensions and cut length.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Strapping Band Extrusion Line



APPLICATION & PROCESS

For logistics and industrial strapping, combining feeding, plasticizing, forming and winding.
Compound and tensile requirements must be specified.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Sealing Strip Extrusion Line



APPLICATION & PROCESS

Co-extrusion and controlled haul-off for sealing profiles. Tooling follows the section geometry and combination of flexible and rigid materials.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Profile Extrusion Line



APPLICATION & PROCESS

For window, decorative and automotive profiles, integrating extrusion, cooling, haul-off and cutting.

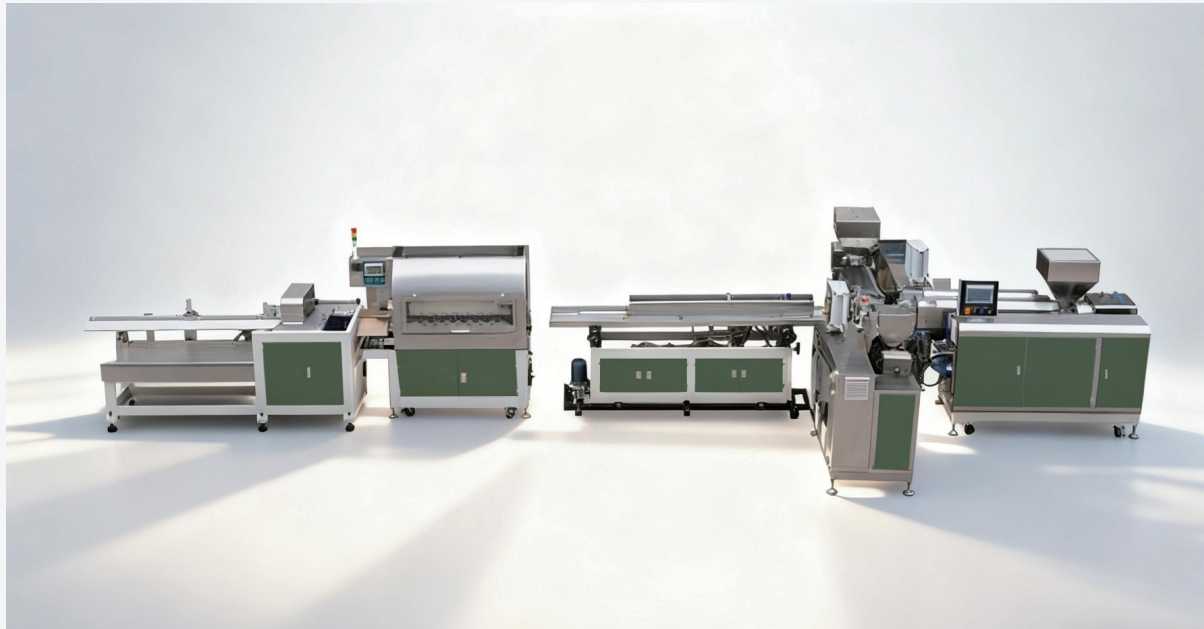
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Multicolor Profile Extrusion Line



APPLICATION & PROCESS

Multicolor co-extrusion creates profile sections with different colors or materials. Tooling and extruders are defined from the product drawing.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Precision PVC Tube Extrusion & Winding Line



APPLICATION & PROCESS

Combines precision extrusion, controlled-tension traversing and automatic spool change for continuous tubing production.

SELECTION DATA

Max. winding speed

100 m/min

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Precision Guidewire Coating Extrusion Line



APPLICATION & PROCESS

Continuous extrusion coating of metal-core guidewires with precision tension control to stabilize the coating layer.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Sheet Extrusion Line



APPLICATION & PROCESS

For PP, PE, PS and ABS sheets, integrating dosing, extrusion, calendering, cooling and cutting or winding.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Multilayer Composite Sheet Extrusion Line



APPLICATION & PROCESS

Co-extrusion for multilayer sheets, configured by layer count, material structure, thickness and working width.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Industrial Pipe Extrusion Line



SELECTION DATA

Pipe diameter

15-180 mm

Extrusion output

40-400 kg/h

Screw diameter

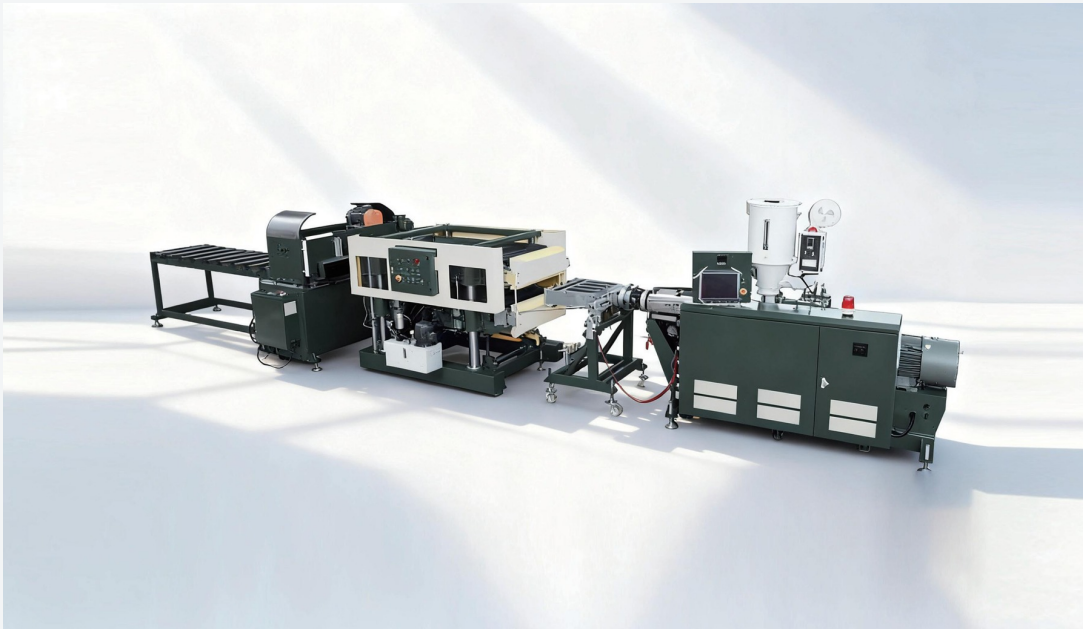
65-120 mm

APPLICATION & PROCESS

For PVC, HDPE, PP and ABS pipes, integrating feeding, extrusion, cooling, haul-off, cutting and winding.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Solid Rod Extrusion Line



APPLICATION & PROCESS

For solid plastic rods using controlled plasticizing and temperature management. Dimensions, resin and recycled content require process confirmation.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

EVA Hot-Melt Adhesive Stick Extrusion Line



APPLICATION & PROCESS

For EVA hot-melt adhesive sticks, combining temperature control, extrusion forming and downstream cutting.

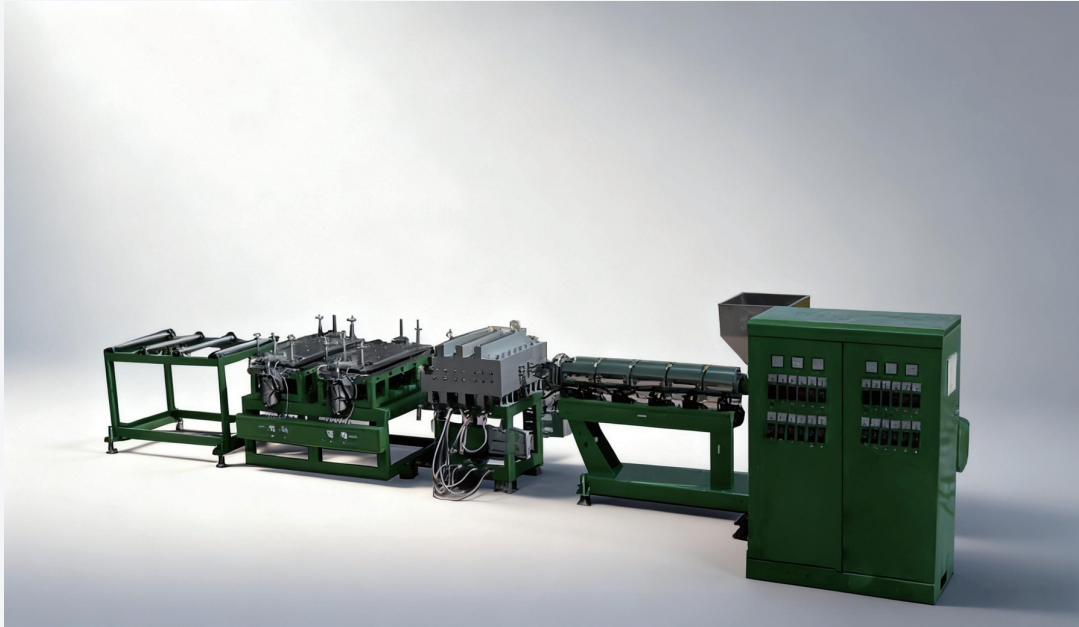
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Thick Board Extrusion Line



SELECTION DATA

Thickness

25-300 mm

Board width

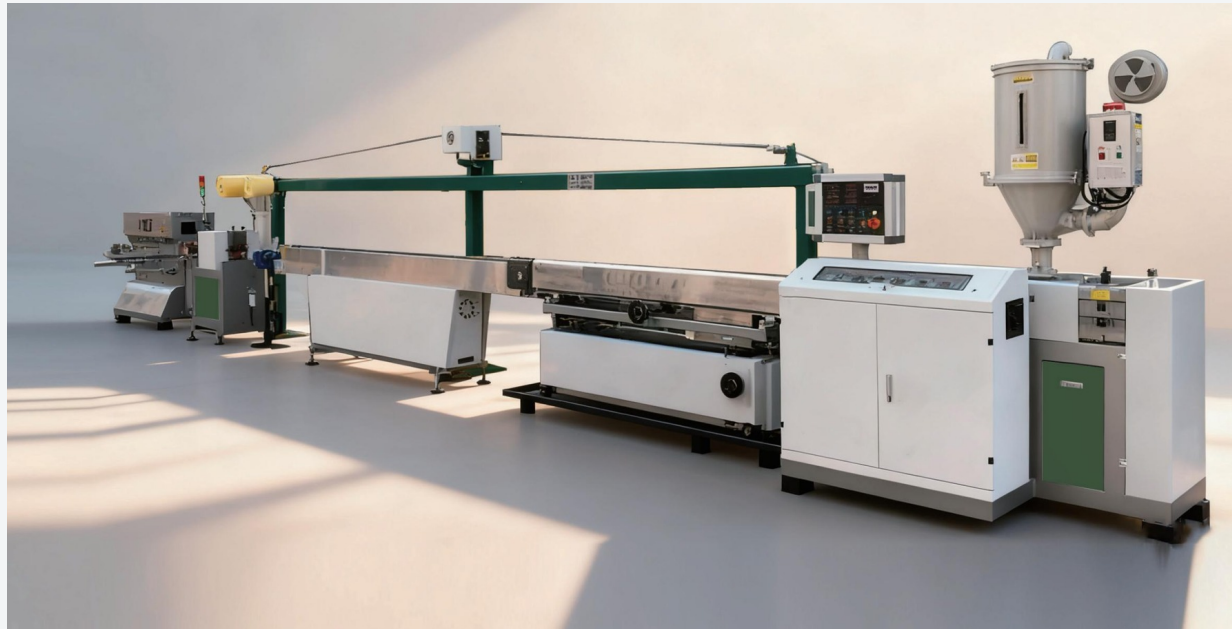
3000 mm

APPLICATION & PROCESS

For thick plastic boards, with main and auxiliary equipment matched to thickness, width and material processing needs.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

3D Printing Filament Extrusion Line



APPLICATION & PROCESS

Single-color, dual-color, tricolor and gradient rainbow filament configurations for PLA, PETG, ABS and other materials, subject to formulation trials.

TW identifies the Tongwei equipment range. Confirm configuration in the technical agreement.

SELECTION DATA

Filament diameter

1.75-3.0 mm

Single color / output

TW-3D-M / 20-40 kg/h

Dual color / output

TW-3D-D / 12-15 kg/h

Tricolor / output

TW-3D-T / 12-15 kg/h

Rainbow / output

TW-3D-R / 8-10 kg/h

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Biofilter Media Extrusion Line



APPLICATION & PROCESS

For biological filter media used in water treatment. Tooling and downstream processing follow the required structure, sample and dimensions.

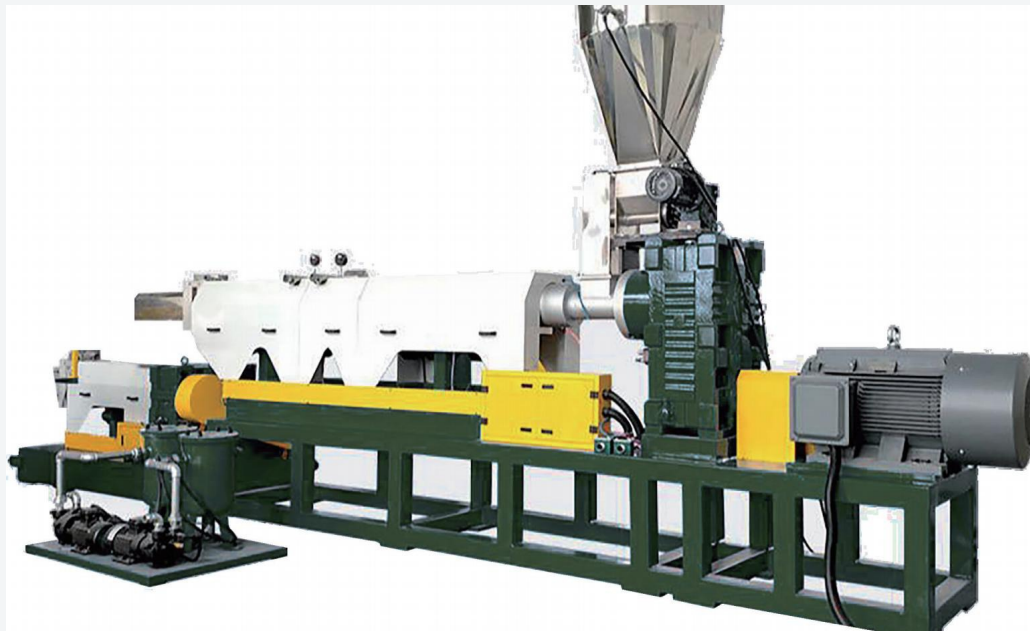
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Pelletizing Line



APPLICATION & PROCESS

Pelletizing for commodity and engineering plastics, with single-screw, twin-screw strand and tandem configurations.

SELECTION DATA

Screw speed

10-150 rpm

Screw diameter

180 mm

Screw L/D

28:1-32:1

Output range

150-1200 kg/h

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Foam Extrusion Line



APPLICATION & PROCESS

Physical foaming, cooling, haul-off and cutting for net, rod or tube products, with tooling configured for the intended shape.

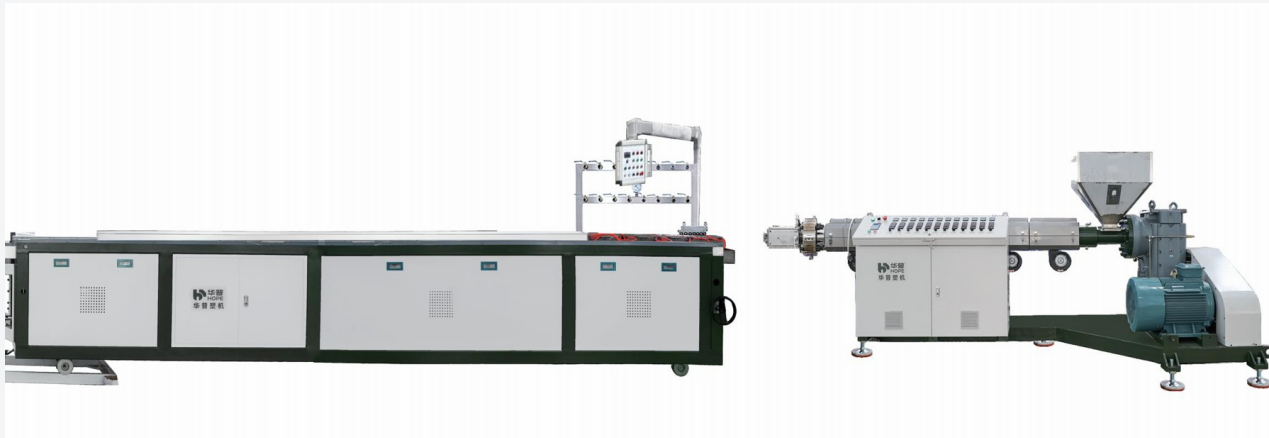
SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Artificial Wicker Extrusion Line



APPLICATION & PROCESS

For synthetic wicker used in furniture and related applications. Extrusion and forming are selected for the section, color and surface finish.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Laboratory Filament Extruder



APPLICATION & PROCESS

A compact filament extrusion system for teaching, modified-material trials and small-batch production.

TW identifies the Tongwei equipment range. Confirm configuration in the technical agreement.

SELECTION DATA

Reference model

TW-3D-L

Screw diameter

25 mm

Screw L/D

25:1

Motor / total power

2.2 / 6 kW

Filament diameter

1.75-3.0 mm

Output

1-3 kg/h

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Laboratory Filament Extruder with Accumulator



APPLICATION & PROCESS

A laboratory filament extrusion system with an accumulator for teaching, material testing and small-batch production.

TW identifies the Tongwei equipment range. Confirm configuration in the technical agreement.

SELECTION DATA

Reference model

TW-3D-LW

Screw diameter

25 mm

Screw L/D

25:1

Motor / total power

2.2 / 6 kW

Filament diameter

1.75-3.0 mm

Output

8-10 kg/h

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Extrusion Auxiliary Equipment



APPLICATION & PROCESS

Feeding, drying, cooling, haul-off, cutting and winding modules selected to match the complete process.

SELECTION DATA

Configured for your product

Share the resin, product drawing, dimensional tolerances, target output and downstream requirements to define the screw, tooling and auxiliaries.

Catalogue values are selection references. Range maxima are not simultaneous guarantees. Final specifications depend on the technical agreement and material trials.

Filament line specifications

Single-color, dual-color, tricolor and gradient rainbow configurations

Model	Screw dia.	L/D	Motor / total	Filament dia.	Output
TW-3D-M	45-50 mm	30:1	11/35 - 15/40 kW	1.75-3.0 mm	20-40 kg/h
TW-3D-D	30 mm	28:1	5.5/40 kW	1.75-3.0 mm	12-15 kg/h
TW-3D-T	30 mm	28:1	5.5/40 kW	1.75-3.0 mm	12-15 kg/h
TW-3D-R	25 mm	25:1	5.5/25 kW	1.75-3.0 mm	8-10 kg/h

Data follow the dedicated filament brochure. The single-color power range represents different configurations. Color options, formulations, transition lengths and performance require material confirmation. Tongwei model names do not change the underlying technical values.

Example materials: PLA, PETG and ABS. Material suitability and actual throughput require project-specific technical confirmation.

Start with your product.

Jinan Tongwei Information Technology Co., Ltd. connects application requirements with extrusion equipment selection and technical discussions for domestic and international customers.

01 Resin & finished product

02 Dimensions, tolerances & output

03 Configuration & material trial

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