



Leading in Success
Extruder • Tooling • Downstream

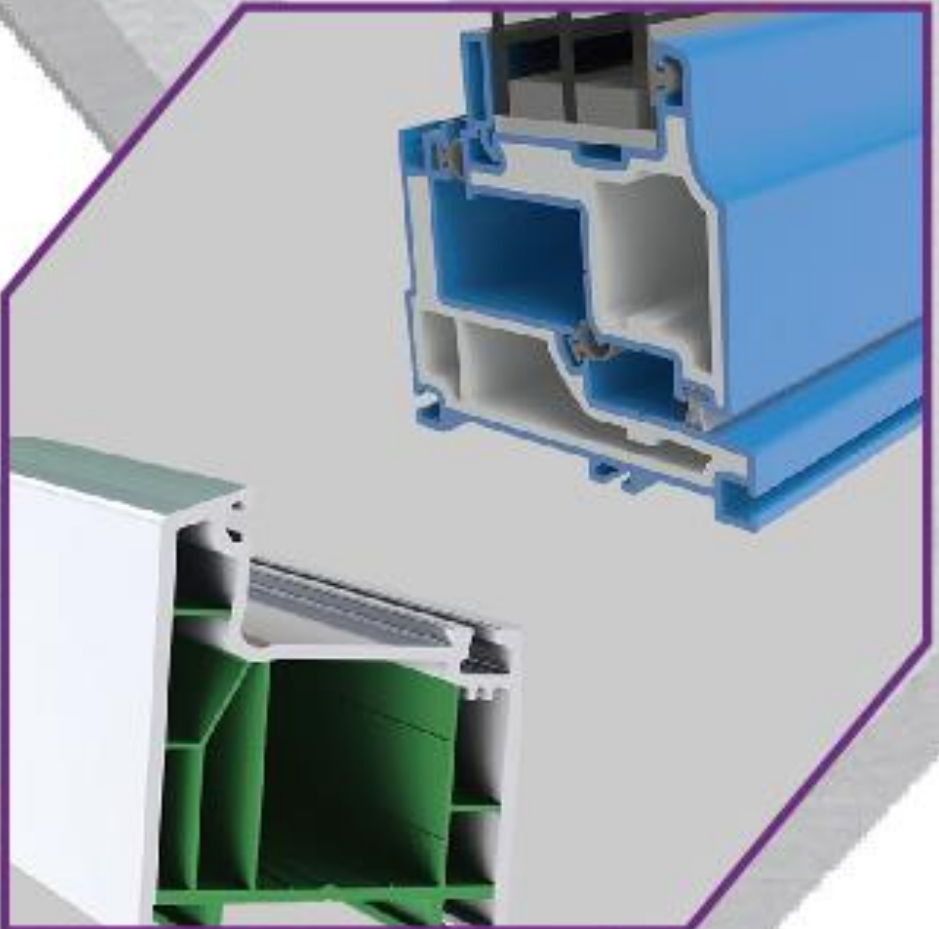
Pipe

- PVC/CPVC/OPVC Pipes
- Extra Large PO Pipes
- PVC Core foam Pipes
- Multi-layers Pipes
- High speed pipes
- Multi-strands pipes



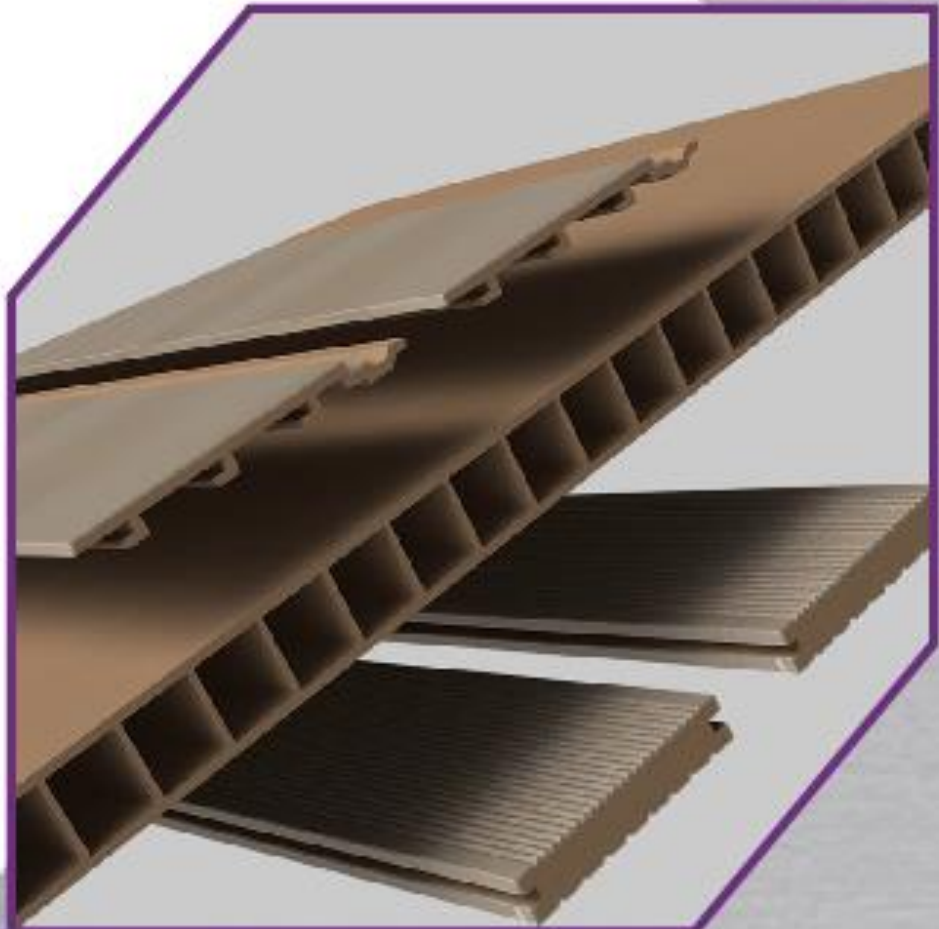
Profile

- Window Profiles
- Door Profiles
- Technical Profiles
- Ceiling and panel
- High speed Profiles
- Multi-strands Profiles



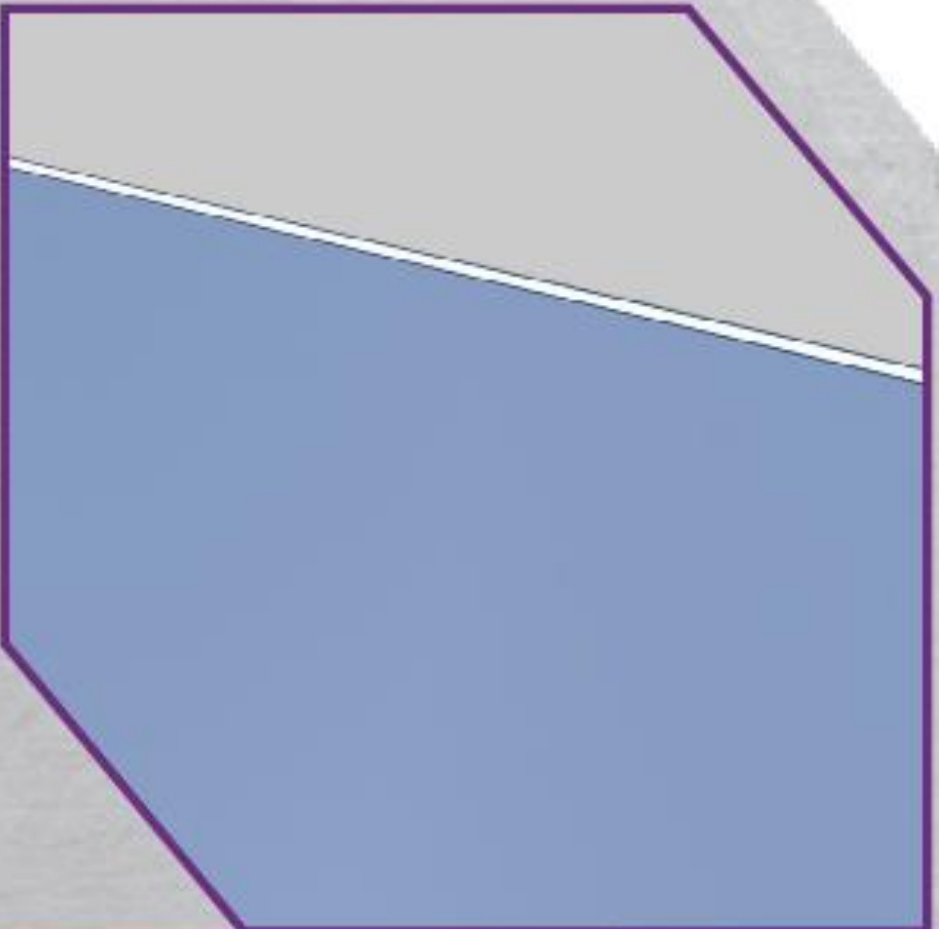
Wood Plastic

- WPC Decking
- WPC Door Panel
- WPC Wall Panel
- WPC Ceiling
- High speed
- Multi-strands



Panel Sheet

- Rigid PVC Panel
- Foam PVC Panel
- Rigid CPVC Panel
- WPC Solid Panel
- Extra wide Panel
- Extra thick Panel



Factory in Shanghai, China

XIESHENG

Extrusion



Xiesheng Extrusion

Shanghai Xiesheng Machinery Manufacturing Co., Ltd. is at the forefront of global plastics extrusion industry, providing international leading quality extruders, downstreams, extrusion dies / tools, screws and barrels. Our key technologies cover the whole spectrum of extrusion systems with innovative engineering to deliver optimal application-specific and integrated solutions to keep our extrusion customers leading in success.

Xiesheng Machinery is founded in 2007 for high performance brand-new extrusion machines, headquartered in Shanghai, China, offering industry leading quality, innovative technology and professional service. Former Dawei Plastic keeps leading in screw and barrel replacement and second hand European machine refurbishment. Xiesheng Extrusion integrates Xiesheng Machinery and Orient Mould with modern design from Germany and Austria in 2010, becomes the leading quality extrusion solution developer and the manufacturer worldwide. In this brochure, we invite you to join us on communication and visit our plant in Shanghai. It takes a lot more than words to experience the profession of Xiesheng.



Shanghai

Why XIESHENG

PROVIDE THE PEOPLE WHAT THEY WANT

1. Extruder

The new XTP series parallel twin screw extruders, Konex series conical twin screw extruders and XJC series single screw extruders have been significantly updated to the new generation of high efficiency and energy saving gear boxes from Europe, with successfully proven screw geometries, offering a wide processing window and stable output.

2. Tooling & Mould

Thanks to modern design and experience from Austria, high precision manufacturer of European processing machines and professional technicians, Orient Mould offers complete range of pipe heads for all pressure classes, excellent quality extrusion tools for window, door and technical profiles and high speed WPC extrusion tools.

3. Downstream

As a solution supplier, the outstanding performance on various Xiesheng extrusion downstreams applications, includes PO pipe, PVC/CPVC pipes with diameter up to Dia. 2500mm; high speed and multi-strands window profiles, technical profiles, wood plastic board, decking and PVC/CPVC/-Foam PVC panels up to 1500mm width.

4. Screw & barrel

The productivity of the extruder depends greatly on the geometry of the screw and barrel; Xiesheng screw and barrel provides successfully proven geometry according to the material performance. Utilizing innovative know-how of anti-wear technology, the using life is prolonged greatly.

Xiesheng Extruders Series are innovative to meet the demands of the new Era generation of energy saving. The modern European design exhibits classic Xiesheng proportions with a shape that's been aerodynamically refined for lower power consumption. Its performance dazzles over every extrusion moment.

Exclusive European Gear boxes are matched with successful screw geometries, Xiesheng extruders safely realize the high screw torques with long service life and ensure optimal melt homogeneity and permits processing of many different formulations in a wide processing window. The addition of powerful motor and heavy duty drive control, Xiesheng Extruders offers maximum output rates which also provide consistent quality products over a defined performance range. The industry leading PLC touch screen control system works much like the personal technology you use everyday. It offers the user-friendly controls, precise regulation, up to date monitor and customized functions in the area of extrusion.

Assembly of a Xiesheng Extruder is a labor of love, and it shows every time you operate one, creating a Xiesheng extruder isn't easy, but the results help define what Xiesheng has become today.



XTP Series Extruders

Parallel Twin Screw

Successful screw geometry equips gearbox from Germany/Austria
Production output is guaranteed up to 1200Kg/h (2650lb/h)
Screw effective length : screw diameter = 26 / 32 / 36
XTP 130 | XTP 114 | XTP 90 | XTP 75



KONEX / XTC Series Extruders

Conical Twin Screw

New Active conical screw geometry with leading gear boxes
Production output is guaranteed up to 600kg/h (1300lb/h)
Konex 72 | Konex 63 | Konex 50 | Konex 38
XTC 92 | XTC 80 | XTC 60



XJC Series Extruders

Single Screw

Long L:D screw design with efficiency drive system
Production output is guaranteed up to 1450kg/h (3200lb/h)
XJC 20 | XJC 30 | XJC 40 | XJC 45 | XJC 60
XJC 75 | XJC 90 | XJC 105 | XJC 125 | XJC 150



XTP Series | Parallel Twin Screw Extruders

	XTP 75-26	XTP 75-32	XTP 75-36	XTP 90-26	XTP 90-32	XTP 90-36	XTP 114-26	XTP 114-36	XTP 130-26
PVC Pipe Max. Output	450 kg/h		500 kg/h	650 kg/h		700 kg/h	900 kg/h	1050 kg/h	1200 kg/h
PVC Profile Max. Output	250 kg/h	270 kg/h		340 kg/h	370 kg/h		460 kg/h		
WPC Profile Max Output		220 kg/h	240 kg/h		300 kg/h	330kg/h		450 kg/h	
PVC/WPC Sheet Max Output	240 kg/h Co			480 kg/h			650 kg/h		900 kg/h

Konex Series / XTC Series | Conical Twin Screw Extruders

	Konex 35	Konex 38	Konex 50	Konex 63	Konex 72	XTC 50	XTC 60	XTC 80	XTC 92
PVC Pipe Max. Output	80 kg/h	120 kg/h	230 kg/h	350 kg/h	550 kg/h	180 kg/h	250 kg/h	400 kg/h	600 kg/h
PVC Profile Max. Output	50 kg/h	75 kg/h	140 kg/h	210 kg/h	280 kg/h	100 kg/h	160 kg/h		
WPC Profile Max Output		55 kg/h	100 kg/h	150 kg/h	210 kg/h		120 kg/h	180 kg/h	300 kg/h
PVC/WPC Sheet Max Output				210 kg/h Co	280 kg/h		160 kg/h Co	300 kg/h	400 kg/h

XJC Series | Single Screw Extruders

	XJC 20 Co	XJC 30 Co	XJC 40 Co	XJC 45	XJC 60	XJC 75	XJC 90	XJC 105	XJC 125	XJC 150
PO Pipe Max. Output	4 kg/h	15 kg/h	25 kg/h	280 kg/h	450 kg/h	630 kg/h	810 kg/h	1000 kg/h	1200 kg/h	1450 kg/h
PP/PVC Max.Output	3 kg/h	10 kg/h	18 kg/h	180 kg/h	300 kg/h	450 kg/h	600 kg/h	700 kg/h	870 kg/h	1050 kg/h
PO Sheet Max Output				120 kg/h	200 kg/h	300 kg/h	360 kg/h	450 kg/h	570 kg/h	720kg/h



Processing Unit

Successful screw geometry from Germany
Precise tempering components from Germany
Flexible feeding system for different formulations
Maintenance free with long life warrantee
Stable Vacuum with online Clean System
Stainless steel protection cover



Driving System

Structure design from Germany
Gear box from Germany/Austria
Siemens high efficiency Motor
Drive: ABB/Siemens Heavy Duty
Gearbox equips close loop oil Lubricant



Control System

Siemens Industry Touch Screen from Germany
Siemens S7-300 Heavy Duty from Germany
Tempering control components from USA
System protection control from Germany
IP43 with Industry water cooling system



Screw & Barrel

Xiesheng screw and barrel are a symbol of success for plasticizing and output. All original screw geometries have been proven the test of time in the market based on different formulations, that's why our designers hold nothing back when it came to creating outstanding performance. Strict design standards in manufacturing , heat processing and quality assurance ensure this unique pairing on a uniform platform, this ultimately enhances the connection between screw and barrel . We have ensured that every detail that goes into every aspect of a Xiesheng product is perfection.

Xiesheng Machinery keeps leading in supplying high quality replacement screw and barrel cross the world. Since 2005, Xiesheng has successfully replaced over 650 sets of screw and barrel to nearly all the types of European and American extruders for pipes, profiles, WPC and sheet extrusion. The geometries have been professionally improved to achieve wider processing window and maximum production output.

Thanks to 3D scan system, the screw and barrel geometries can be precised guaranteed and the quality check can be strictly followed.

Screw and Barrel



Successful geometry design from Europe
Whirlwind milling machine from Austria
Screw fine polishing machine from Austria
Precise CNC machine from Mazak



Screw material from Germany / Japan
Deeply nitride by 168 hours
Moly coating / Qualified chrome plating
Tungsten carbide PTA bimetallic welding



Bimetallic Sleeve for long life warrantee
Oil cooling / Air cooling in option
Cooling channel for double cooling
Grooved barrel for PO extrusion



Geometries quality check by 3D scan
Heating processing performance check
Key dimensions and connections check
Anti-wear processing and polish check



Designed in Germany

Double Spiral Structure
Multi-layers co-extrusion
PVC/CPVC/OPVC/PO extrusion
Diameter up to 2000mm



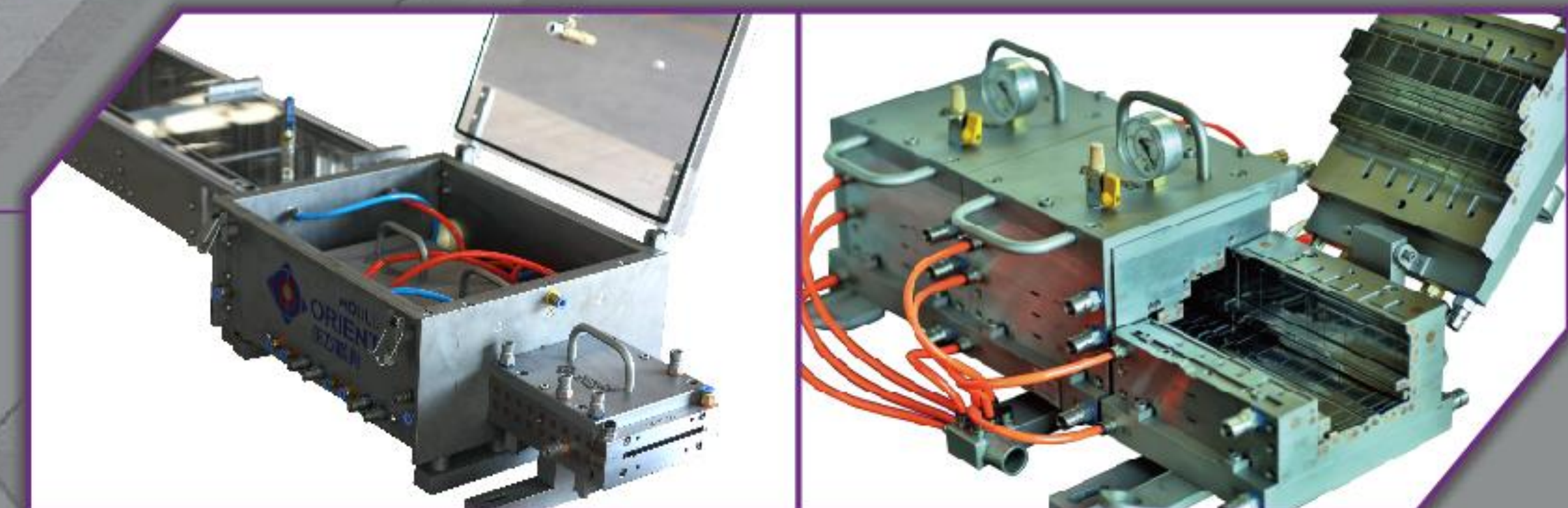
Die Head

Disk die plates
CNC location system
Completed mandrel
Aluminum Heating bands



Calibrators

Vacuum gauged
Cycle cooling water
Laser welding block
Online straight adjust



Tanks

Stainless Steel Structure
Cyclone + Spray (VIP)
Adjustable offside keys
Anti mistake operation



Pipe Head

Xiesheng Extrusion branch tooling brand Orient Mould is a professional quality supplier for extrusion tools including pipe head and profile tooling for various materials such as PVC, CPVC, OPVC, PO and WPC etc..The main processing machines to guarantee the design and quality are all imported from Germany or Austria, include CNC, EDM, wire cutting machine, milling machine etc.

Tooling & Die

Choose German/Austria stainless steel, Our experienced technical team from Austria and Germany set the design trends for high speed, stable performance, friendly using and long life warrantee, which has been proven by international customers who are leading for quality extrusion. Your idea into our experience is the way we work together with you.

Downstreams

The pipe downstreams is synchronous with extruders or independent control, include a 304 stainless steel vacuum bath which is designed by two independent vacuum zones with cooling system; 304 stainless steel spray tanks equips mist spray cooling system which perfectly cools the pipes in high speed extrusion; the haul-off is driven by servo motor and servo controller from Lenze, to give the max. speed adjustment range for different diameters pipe extrusion; the cutting unit is optional for saw, knife and planet cutting, which support high speed cutting. The dump table is pneumatically controlled or equips with a coiler as an option. Four / Dual strands are also optional.

The profile downstreams is synchronous with extruder or independent PLC control, include a stainless steel structure calibration table equips vacuum system from Germany, cyclone system from Austria and cooling system from Italy, which could be updated to energy saving; The haul-off unit is driven by AC motor or Servo motor from Germany, work together with quick change puller pads and supply the most balance pulling force to all kinds of profiles; the cutting unit chooses flat round motor from Germany to maximum the cutting range, offer guillotine cutting knife from Italy and high precise cutting control by Linear actuators as option; Dump table is pneumatically control. Dual Strands are also optional.

The Sheet downstreams is synchronous by independent PLC control. The chrome plated calibration rollers which is driven individually by SKF bearing and servo control from Germany, a moveable longitudinal cutting unit is installed on the cooling roller conveyor; the four rollers haul-off unit equips gearboxes from Germany; cutting unit is designed to process wide and thick sheets and panels.



Downstreams

The Xiesheng premium downstreams include pipe downstreams, profile downstream and sheet downstreams, which bring the most inspiring extrusion engineering. Today's modern technologies working together with high quality manufacturing for improved comfort and convenience, which are a whole new take on higher efficiency and more stable production.

Pipe Downstreams

Vacuum bath
Spray tank
Belt/pads Haul-off Cutting unit
Dump table



Profile Downstreams

Calibration table
Pads Haul-off unit
Cutting unit
(Saw/Guillotine)
Dump table



Sheet Downstreams

Calibration Rollers
Cooling roller conveyor
Rollers haul-off unit
Cutting system
Dump table





Service

Xiesheng technical team is admired worldwide for its iconic professionalism of the whole extrusion system. The service philosophy of Xiesheng combines extraordinary with signature style, that delivers optimal solutions with system knowledge and quick response time. Expanding your view of the extrusion system and keep you leading in success.