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

Panel Sheet
WPC Ceiling
High speed
Multi-strands

Rigid PVC Panel
Foam PVC Panel
Rigid CPVC Panel
WPC Solid Panel
Extra wide Panel
Extra thick Panel
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 refurbished. 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.
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 downstream 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 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.

Extruders
**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

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**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

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**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

<table>
<thead>
<tr>
<th></th>
<th>XTP 75-26</th>
<th>XTP 75-32</th>
<th>XTP 75-36</th>
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<tr>
<td>PVC Pipe Max. Output</td>
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<td>PVC Profile Max. Output</td>
<td>250 kg/h</td>
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<td>WPC Profile Max Output</td>
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<tr>
<td>PVC/WPC Sheet Max Output</td>
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### Konex Series / XTC Series | Conical Twin Screw Extruders

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<th>Konex 35</th>
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<th>Konex 50</th>
<th>Konex 63</th>
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<td>PVC Profile Max. Output</td>
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<td>160 kg/h</td>
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<td>WPC Profile Max Output</td>
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<td>210 kg/h</td>
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<td>PVC/WPC Sheet Max Output</td>
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### XJC Series | Single Screw Extruders

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<td>PO Pipe Max. Output</td>
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<td>PP/PVC Max. Output</td>
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<td>300 kg/h</td>
<td>450 kg/h</td>
<td>600 kg/h</td>
<td>700 kg/h</td>
<td>870 kg/h</td>
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<tr>
<td>PO Sheet Max Output</td>
<td>120 kg/h</td>
<td>200 kg/h</td>
<td>300 kg/h</td>
<td>360 kg/h</td>
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<td>570 kg/h</td>
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</table>
**Processing Unit**
- Successful screw geometry from Germany
- Precise tempering components from Germany
- Flexible feeding system for different formulations
- Maintenance free with long life warranty
- 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
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 precisely guaranteed and the quality check can be strictly followed.
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
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 gearboxs 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. Todays 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
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.
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

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.
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.