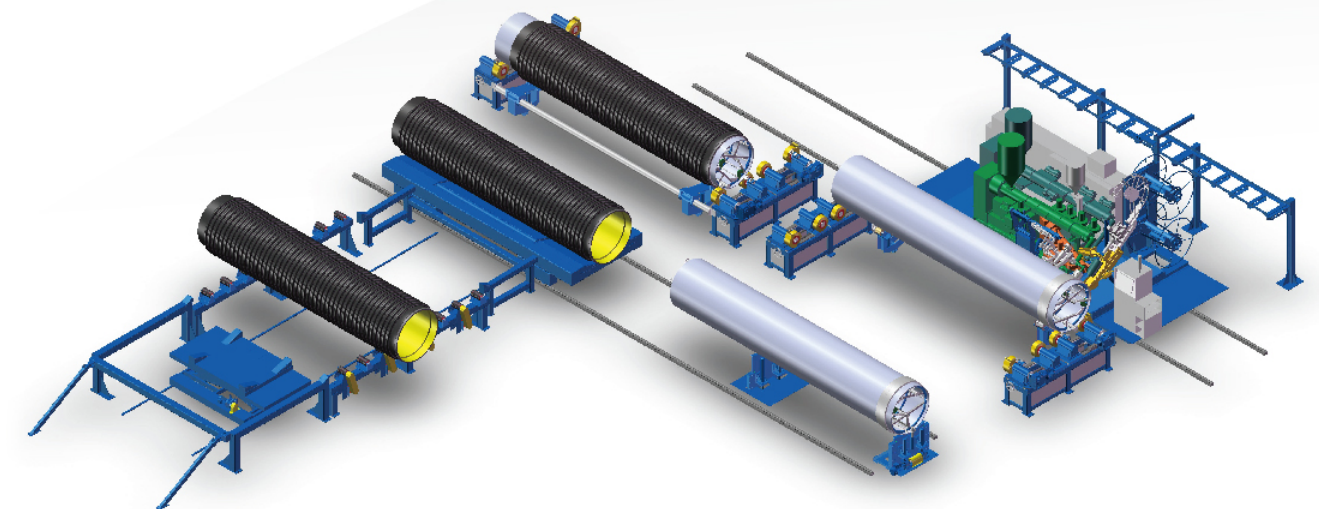




LARGE DIAMETER HDPE/PP WINDING PROFILED WALL PIPE PRODUCTION EQUIPMENT

Dig Deep
Keep Improving
Close To Users
Empowered By Innovation



TAIYUAN YAMING PIPING TECHNOLOGY CO., LTD

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COMPANY PROFILE

Taiyuan Yaming Piping Technology Co., LTD., was established in 2007, located in Yangqu Industrial Park, Shanxi Provincial Comprehensive Reform Zone, China.

Specializing in the development, design, manufacturing and technical services of HDPE and PP large-diameter winding profiled wall pipe production equipment.

Specializing in the design, production, installation of HDPE and PP winding profiled wall pipe and pipe fittings.

Yaming is a high-tech enterprise integrating manufacturing, production and technical services. In 2022, Yaming was awarded as Shanxi "Professional, Proficient, Special, New" enterprise.

Yaming has the UK and EU CE certification of WSR series equipment, with advanced technology, matching system, economy, efficiency, safety and reliability. Products have been sold to more than 20 countries and regions.

Yaming HDPE/PP winding profiled wall pipe is extensively implemented in large marine intake and outfall pipelines, urban utilities stormwater system, industrial wastewater discharging pipeline net, chemical and biochemical storage tanks, rainwater restoration and reverse osmosis system and many other fields. Pipe specifications range from DN200mm to DN4500mm.

Yaming always adheres to the terms of "dig deep into industry, close to users, share with customers, achieve win-win cooperation".

Main Machine Products

- Large diameter winding profiled wall pipe equipment completely;
- Single wall corrugated pipe equipment, special tool;
- Large-diameter winding mandrel, thick-walled pipe strengthening mandrel;
- Eccentric and reducer mandrel.

Pipe Products

- Large marine intake/outfall pipe, pipe fittings and large diameter PE flange;
- Large chemical processing tank;
- Stormwater pipe and sewage pipe of urban utilities.



MACHINE INTRODUCTION

01> WSR series of large diameter HDPE/PP winding profiled wall pipe production line equipment

Pipe diameter:

HDPE/PP winding profiled wall pipe DN200mm -- DN4500mm.

Profiled wall structure:

solid wall SW, OP and CP, single layer and multi-layer SQ.

Processing capacity:

compatible with HDPE/PP pipe manufacturing, the maximum designed capacity of 3000 tons/year/line.



Main machine features:

- A variety of main equipment components and equipment structure can be configured to meet various needs of clients.

<ul style="list-style-type: none"> > Main model: Single main extruder machine; Dual extruder and dual material machine; Three extruders dual material machine, multi-layer co-extrusion; Four extruders dual material, multi-layer co-extrusion. 	<ul style="list-style-type: none"> > Extruder: High quality extruder imported from Germany; Domestic famous brand extruder; Yaming extruder.
<ul style="list-style-type: none"> > Machine type: Extruding carriage moving; Winding rotating mandrel moving. 	<ul style="list-style-type: none"> > Control system selection: B&R control system hardware imported from Austria; SIEMENS control system hardware.
- High efficient and energy-saving, advanced distribution valve runner technology, multi-layer co-extrusion technology, HDPE raw material coating over layer technology.
- Efficient and energy-saving gas heating system and far infrared heating system.
- Wireless visual control, remote operation and processing parameter setting.
- PLC system-controlled automatic cutting technology, Cutting-free winding technology.
- High-precision guide rail and three-way adaptive bearing.
- Suitable for various extrusion/winding structure pipe wall of the compacting cassette, synchronous compaction and pressing cassette unit.



02> CSP series of PP single wall corrugated pipe machine



PP corrugated single wall diameter: DN21mm-DN130mm.
Pipe wall : single wall corrugated.
Capacity : with 65 extruder, 150kgs/hour;
with 76 extruder, 200kgs/hour.

CSP machine features:

- Configuration of efficient extruder.
- PLC process control system, touch screen, all digital.
- Stable mold forming unit.
- 70 pairs of forming molds, precise forming, good cooling.
- Unique design mold base and changeable mold core structure.



03> Full diameter series winding mandrel

Mandrel features:

- Small sizes mandrel with high length-diameter ratio, no bending or deformation.
- High strength design of large diameter mandrel, resistance to the shrinkage pressure of thick wall pipe material, good co-axiality, high roundness.
- Large diameter mandrel with patent design, driven by power, high strength, stable and accurate, safe operation.



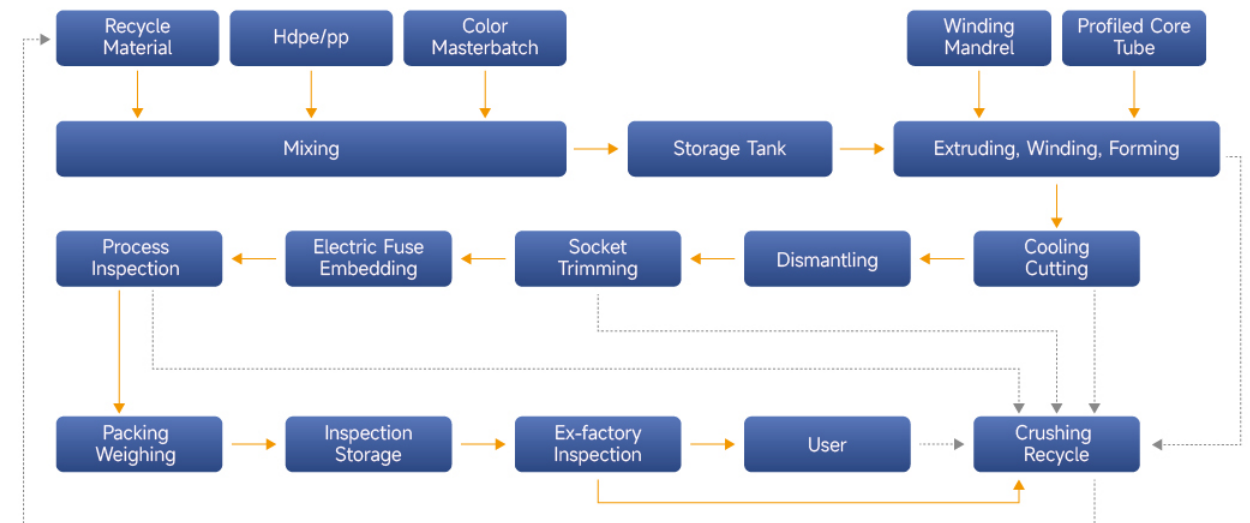
04> Control system and process software introduction



- Independent research and development of the PIPE calculation & selection software "HI PIPE V4.0", help customers to achieve pipe selection.
- Advanced processing software with functions of automatic winding.
- Friendly HMI, make the operator easy of running the machine.
- Remote program maintenance, downloading, monitoring, debug and update without engineers at customer site.

05> Production technology and process

The product is made of high-density polyethylene/polypropylene resin mainly and polypropylene single wall corrugated pipe as the auxiliary support. The production and processing adopt the hot extrusion and spiral winding forming process. The flat belt extruded by the extruder and PP corrugated pipe coating by the "O" type wrapped support, are evenly wound on the heated steel mandrel according to the predetermined position, making the structural wall pipe body with high resistance to external pressure. Then followed by natural wind cooling, cutting, dismantling, trimming, embedded electro fusion welding wire, inspection and other subsequent processes the final pipe products are manufactured out.



06> Using of pipe



Marine Intake/Outfall Pipe Line



DN2200 Tee of Marine Intake Pipe Line



DN2500 Stormwater Line of Utilities



DN2000 Sewage Water Pipe Line Crossing under the Railway

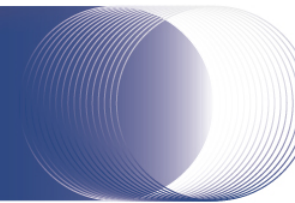


Large Sizes Chemical Tank



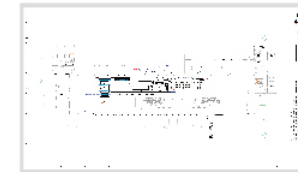
Underground Pipe Gallery

OUR SERVICE



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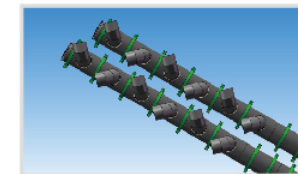
01> Pre-sale service



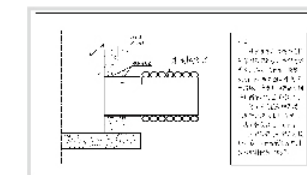
Assist customers to design production site layout, power supply, gas supply.

NO.	ITEM	UNIT	QUANTITY	REMARKS
1	PIPE	M	1000	DN2000
2	TEE	PCS	10	DN2000
3	FLANGE	PCS	20	DN2000
4	BOLTS	PCS	1000	M20
5	NUTS	PCS	1000	M20
6	WASHERS	PCS	1000	M20
7	SEALANTS	PCS	10	DN2000
8	COUPLERS	PCS	10	DN2000
9	END CAPS	PCS	10	DN2000
10	MANHOLES	PCS	10	DN2000

Assist customers to configure the required equipment.



Assist customers to design and calculate pipe of intake/outfall sea project.



Assist customers to design and calculate the urban utility drainage pipe, connection of pipe, construction backfill, etc.

02> After-sales service

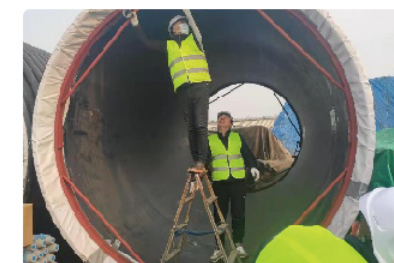
Equipment installation, commissioning and debugging

Operator training

Spare parts customized

Equipment function upgrading

03> Engineering project service



We have a professional team composed of mechanical engineers, electrical and software engineers, large-diameter pipeline technicians, to provide:

- Large-diameter pipe, pipe connection on construction site.
- Marine intake/outfall pipe design, manufacturing, connection and installation, pipe fittings, pipeline accessories.
- Movable factory with equipments on seashore construction site for large, ultra-large sizes pipe production and producing service.