

# Qingdao Tongsanhegu Plastic Machine Manufacturing co.,Ltd

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## Our advantage for PP hollow sheet machine project

### 1,Smart automatic easy to operate

Intelligent, automatic and easy to operate-the Generation PP plastic hollow board and corrugated board extrusion line launched by Qingdao Tongsan is very popular in the market.

Through online guidance, we have remotely assisted many new customers to successfully complete the installation and operation of the machine in a short time, and produce qualified PP hollow corrugated board.This is even more commendable in the face of difficult global travel.

We have customers in Iran, Dominia, Mexico, Ecuador, Czech Republic, Sri Lanka, Uzbekistan, Vietnam, India, Malaysia, Pakistan, etc. Our machines and service quality have won praise from customers. Tongsan keeps innovating with industry-leading level and looks forward to cooperating with you for win-win results.

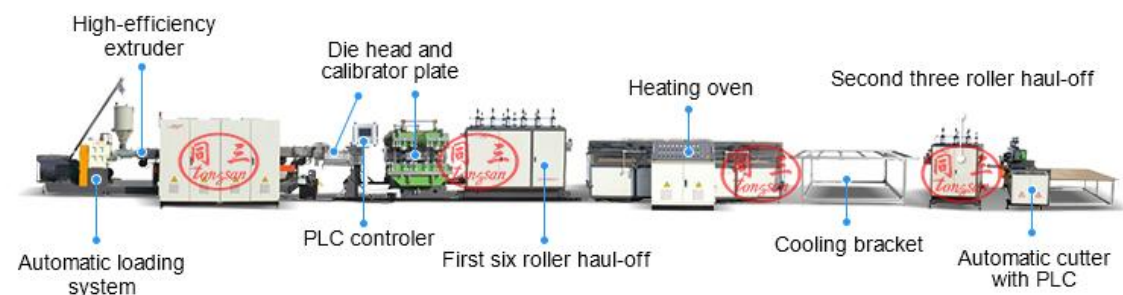


### 2,High capacity 0-80% Filler (Calcium)

Tongsan have all series H-Line and S-Line high quality PP hollow corrugated sheet machine ,the width of the products is 1220-3000mm, and the thickness is 1mm-12mm.The extrusion line can reach 2-10m/min, the high capacity at 200-600kg/h.

We have customer in Iran, Dominia, Mexico, Ecuador, Uzbekistan, Vietnam,etc.We have won praise from customers for the quality of our machines and service.Tongsan continues to innovate with the industry's leading level.Looking forward to working with you for a win-win cooperation.

HIGH PRODUCTION SPEED    EASY OPERATOR



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## 3, Turnkey project for package box making machine

By using Tongsan PP PE Hollow Profile Sheet Corrugated Sheet Extrusion Machine, it greatly save your material cost and production cost.

We provide high out production line with professional technology support, and auxiliary machine for package box making machines, such as printing machine, automatic die cutting machine, cartonplast box making machine, welding machine and edge sealing machine.

### Tongsan Plastic Box Making machine



1, Material Mixer machine



2, PP corrugated sheet Extrusion line



3, Surface Corona machine



4, Design printing machine



5, Shape Die cutting machine



6, Box Edge Sealing machine

## 4, High output PP PE Hollow corrugsted sheet machine model

Model	PP1400	PP1860	TS2300	TS2600	TS-3000
Extruder	SJ110/36	120/36	SJ120/36	120/36	SJ-150/36
Max. Sheet Width	1250mm	1700mm	2150mm	2450mm	2800mm
Max Output(kg/h)	210kg/h	280	350	400	450kg/h
Motor Power(KW)	90	110	110-132	132-160	132-185
Co-extrusion type	SJ65/33	SJ65/33	SJ80/36	SJ80/36	SJ100/36

### High Capacity PP Corrugated Sheet Extrusion Line

Model	GSP1400	1860	GSP2300	2600
Max. Sheet Width	1250mm	1700mm	2150mm	2450mm
Max Output(kg/h)	300	450	550	650

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## 5, High quality 1220mm-2800mm PP hollow corrugated sheet making machine details

Qingdao Tongsan Plastic Machinery co.,Ltd is the PP Hollow Corrugated Sheet Extrusion Machine Professional Manufacturer. We also provide complete solution for Printing, Die cutting, Cartonplast Box Making, Edge Sealing etc.



Visual electric cabinet, world-renowned brand electric device



PLC controller, easy to operate and easy to learn



No-stop double position hydraulic screen changer



High quality mold with special design for PP hollow sheet



First haul off device, Imported nitrile roller, helical gear drive, stable operation



Six rollers and three rollers haul off with servo motor

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Oven, stress removal device



Fan cooling device, better cooling effect, high production speed



Cutter with PLC control and servo motor



Fan cooling device, better cooling effect, high production speed

## 1,Extruder for pp hollow sheet machine:

The specially designed screw and the advanced controlling system ensure excellent plasticization,high output and stable extruding.We have the co-extrusion type to use the recycled plastic to reduce the cost with high quality products.

2,Co-extruder for the PP hollow sheet machine. the co-extrusion system is used for making AB layer PP hollow sheet.The inner layer can use recycled PP material or High PP filling material.

3,Mould for pp hollow sheet machine: Mould adopts high-quality alloy steel and throttling device to ensure even pressure of feed influent at the mould lips, and also differential action of up-down piece guarantee even thickness of the plate.

4,Screen changer for pp hollow sheet machine : Quick screen changer of hydraulic system ensures the short course of screen changing. Double-position combined with special sealing structure guarantee stable operation of screen changer.

5,Vacuum calibrating table for PP hollow sheet machine: Heating exchanging and cooling system of

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quick speed in calibrating system alternate effectively and ordinarily with vacuum system, which ensures calibrating precision. Vacuum system composes two independent subsystems and each is equipped with several fixed circulating vacuum lines of three-point type. Meanwhile, each line carries vacuum regulating system and vacuum display system that realize even and stable vacuum degree of plate surface.

**6,Tractor for PP hollow sheet machine:** There are two tractors. The first one is high power, high reduction ratio, multi-roller type, well low-speed operation, high traction and is able to draw the plate up from the calibrating table evenly and synchronal. The second one is designed to remove stress, and in addition it is equipped with edge-cutting device to ensure the valid width and smooth cut of the edges.

**7,Stress remover corona treatment device for PP hollow sheet machine:**The advanced large area conductive heating mode can effectively remove the stress of plate and further improve planeness of the plate.

**8,Auto Cutting machine for PP hollow sheet machine:** Accurate instant length-fixed cutting and automatic up-down discharging system combined with alloy steel sharp blade realize high quality of cutting.

**9,Different width and length cutter (New design )**



**10,Automatic Manipulator**



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## 6, Application Of PP Hollow Corrugated Sheet

<b>Packaging Filed</b>	Fruit and Vegetable box , Bottle Layer, Transfer box, Display rac, Partition, Gift box, Food packing,
<b>Advertising</b>	Political and election signs, Special event signage, Advertising board, Real estate signs, Lawn decoration, Indoor and outdoor signs
<b>Protection</b>	refrigerator, Home appliances. Floor Protection
<b>Stationery and Tote</b>	Partitions, art design and various pattern box or delicate gift pack



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## 7,Plastic corrugated hollow sheet box making process turnkey service



1,

### 1, Raw material prepare

The PP filler masterbatch granulating machine for the raw material production.

The waste PP plastic sheet can be cutting into small chip to use directly, or the waste chip after granulating then for extruder.

The PP granules and filler masterbatch and color pigment can be mixing for the extruder.

### 2, PP hollow corrugated sheet production line

Tongsan professional for plastic PP hollow corrugated sheet making machine, we can provide all series production line for the sheet width range from 1220mm to 2800mm, the corrugated sheet thickness range from 2-6mm or 7-12mm.

### 3, Plastic corrugated box making machine

#### 3.1 Corona treatment machine for the surface treatment

In order to improve the surface tension of the hollow sheet surface, and thereby improve the printing ink fastness, the hollow corrugated sheet surface will under corona treatment, so that the surface produces micro-concave dense holes, plastic surface roughening, increase the surface activity.

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## 3.2 Box sheet printer machine

The printing machine generally consists of a mechanism such as plate loading, ink coating, embossing, and paper feeding (including folding). It works by first making a plate and image to be printed on a printing press, then applying the ink to the place where the text and image are printed on the printing plate by hand or by a printing machine, and then directly or indirectly Printed on paper or other substrates (such as textiles, metal sheets, plastics, leather, wood, glass, and ceramics) to replicate the same print as the plate.

## 3.3 Die cutting machine for the shape of corrugated box,

The working principle of the die-cutting machine is to use a die-cutting knife, a steel knife, a metal mold, a steel wire (or a template carved from a steel plate), and apply a certain pressure through the plate to cut the printed product or the cardboard into a certain shape. If the entire print is pressed into a single graphic product, it is called die cutting; if the steel wire is used to press a mark on the printed product or leave a bent groove, it is called an indentation.

## 3.4 Welding machine or bookbind edge sealing machine

Plastic welding machines are used to weld thermoplastic engineering plastic sheets or products such as polyethylene, polypropylene, polypropylene, and nylon. During operation, the plastic electrode is melted and melted, and the workpiece to be welded is fused and bonded. It is widely used in the welding and maintenance of plastic equipment, plastic floor laying, plastic pipe connection, plastic bottle sealing and so on.

## 8,Machine in stock,professional engineer,ship in time





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Interplastica 2019 In In Moscow, Russia



India Plas 2019



The 15th International 3P Exhibition in Lahar



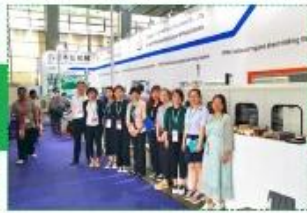
Feiplastic 2019



China Plas 2019



Piast Print Pack Ethiopia 2019



China Plas 2019



ChinaPlas 2018



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## **9,We already sold machines to more than 70 countries**

### **Quality is Our Culture**

Since 1997,Qingdao Tongsan has been focusing on plastic extrusion machines .Now have the corrugated pipe machine serious,plastic hollow sheet machines,plastic pipe serious,plastic sheet serious.Our professional engineer always committed to the improvement of machine quality

### **Customer satisfaction is our pursue**

All behaviors will be based on better and more considerately meeting the needs of consumer to offer customized service.

### **Turnkey Service Provider**

Let customer experience a sense of entitle,respond within 24 hours,solve problem within 48 hours.We will work 24hours\*7days for the after-sell service.

### **Pursuit of Excellence**

Devoting to the research,development and production of various plastic extrusion machines.It is always making innovations and keeping up with the times.