



[www.jwell.cn](http://www.jwell.cn)

品质卓越 完美如一



info@jwell.cn  
sales@jwell.cn

地址：江苏省苏州市太仓城厢工业园东安路18号  
Add: No.18, Dong'an Road, Chengxiang Industrial zone, Taicang, Suzhou city, China  
Whatsapp/Wechat/Mobile: +86-137 3261 5688 E-mail: salbn@jwell.cn  
Whatsapp/Wechat/Mobile: +86-138 1703 9977 E-mail: saldp@jwell.cn

版本号Edition No.: 2022.06



# GEOMEMBRANE & GEOSYNTHETICS PRODUCT EQUIPMENT

**防水卷材  
土工材料挤出生产线**

**金纬机械**  
JWELL MACHINERY

## 9 Meters Extra Width High Polymer Geomembrane Extrusion Line

9米宽幅高分子防水卷材/土工膜生产线

**产品适用:** 垃圾填埋场基础密封防渗和封场, 生物和地热可再生能源设施, 石油和天然气工业, 工业用水和废水, 隧道施工, 水库堤坝防渗, 建筑防漏保护, 水池、游泳池衬垫等。还可以制造表面带有糙点防滑钉的土工膜衬垫, 以及中间加增强布的多层共挤土工膜产品, 以适应用户的特殊需求。

**Product application:** landfill foundation sealing and anti-seepage and closure, biological and geothermal renewable energy facilities, oil and gas industry, industrial water and wastewater, tunnel construction, reservoir dam anti-seepage, building leakage protection, pool, swimming pool lining pads etc. It can also manufacture geomembrane liners with rough spots on the surface, and multi-layer co-extruded geomembrane products with reinforced cloth in the middle to meet the special demand.



### 主要技术参数 Main technical parameters

制品宽幅可选: 9000mm以内任意定制;  
厚度范围: 0.8mm—4.0mm可选;  
原料包括: HDPE (高密度聚乙烯)、LLDPE (线性低密度聚乙烯)、VLDPE (超低密度聚乙烯) 和FPP (柔性聚丙烯)

### Main technical parameters:

Product width optional any customization within 9000mm  
Thickness range: 0.8mm—4.0mm optional  
Raw materials include: HDPE, LLDPE, VLDPE, TPO and FPP



## High Polymer Composite Waterproof Roll Extrusion Line

复合型高分子防水卷材生产线

适合多种物料的生产, 包括PVC、TPO、PE等防水卷材; 适合多种产品结构形式的防水卷材, 包括:

- 均质卷材 (代号H): 不采用内增强材料或背衬材料的防水卷材;
- 带纤维背衬卷材 (代号L): 用织物如聚酯无纺布等复合在卷材下表面的防水卷材;
- 内增强卷材 (代号P): 用聚酯网格布在卷材中间增强的防水卷材;
- 内增强卷材 (代号G): 用玻纤网格布在卷材中间增强的防水卷材。

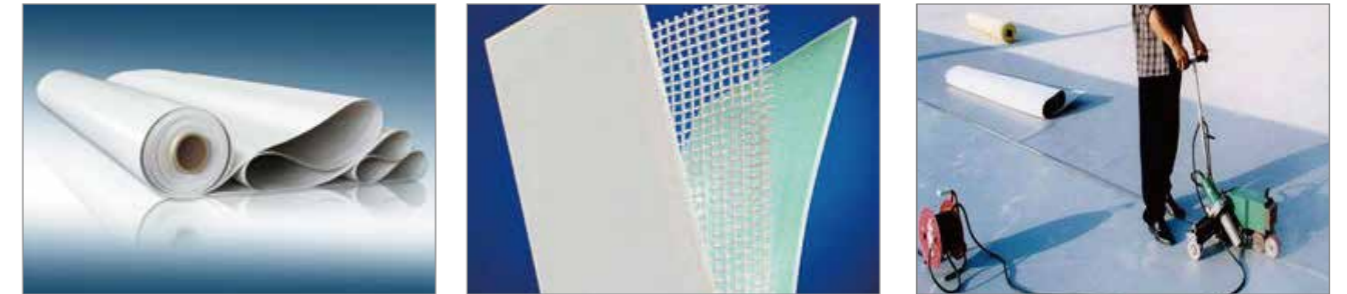
Used for different kinds of plastic material, such as PVC, TPO, PE etc. Being able to produce below sheets:

Plastic roll sheet (model: H): without coating with inner reinforced material or outer material.

Roll sheet with outer fiber (Model: L): coating with fiber or non-woven fabric.

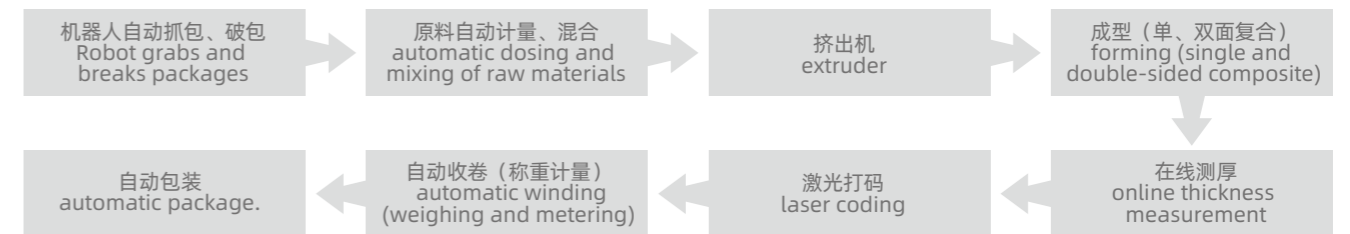
Inner reinforced roll sheet (Model: P): Inner layer coats with polyester mesh.

Inner reinforced roll sheet (Model: G): Inner layer coats with glass fiber.



用于生产PE、EVA、ECB均质、复合型防水卷材, 符合铁道部CRCC认证标准的生产线设备组成:

The line is used for producing PE, EVA and ECB homogeneous and composite waterproof sheet and meeting the CRCC certification standard of the Ministry of Railways. The equipment will be consists of:

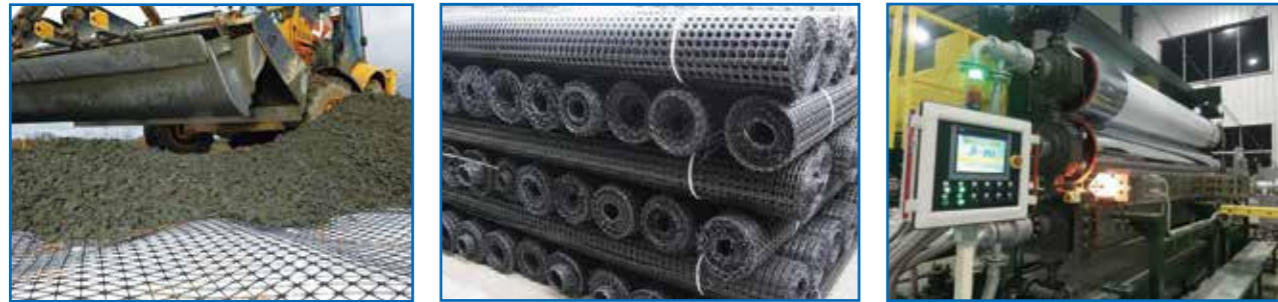


## Plastic Geogrid & Geocell Production Line

塑料土工格栅、格室生产线

由高密度聚乙烯 (HDPE)、聚丙烯 (PP) 树脂挤出成型工艺制成的土工材料, 产品广泛应用于水利、公路、铁路、煤矿、建筑等工程领域。如用于建坝、护坝、护坡, 防汛防洪网笼, 高速公路、铁路、路基加固, 挡土墙护网、矿井顶网, 由于在工程应用中表现出的优越性能, 以及产品低成本、高效率的特点, 市场前景广阔。

It is made of HDPE and PP, produced by extrusion process. It is widely used in irrigation, highway, railway, mine and building project, for example it's used to build dam, protect dam and slope, protect network of preventing flood, fix the roadbed and etc. The product has a high perspective among the markets because of its effective features.



## HDPE、PP T-Grip Sheet / Water Drainage Sheet Extrusion Line

HDPE、PP止水/蓄排水板生产线

塑料止水板主要用于混凝土浇注时设置在施工缝及变形缝内与混凝土构成为一体的基础工程, 如隧道、涵洞、引水渡槽、拦水坝、贮液构筑物、地下设施等; 它利用高分子材料具有的弹性变形特性在建筑构造接缝中起到防漏、防渗作用, 且具有耐腐蚀、耐久性好的特点。制品宽度1000-3000mm, 产量300-500kg/h。

T-grip sheet is mainly used in basis construction concrete casting of the construction joints and deformation constitute the basis of engineering for the integration and joints of concrete, such as tunnel, culvert, aqueduct, dam, reservoir structures, underground facilities; Because of elastic deformation characteristics, people use it for seal up and impermeable of construction, features anti-erosion, good durability wear durableness. Product width 1000-3000mm, machine output 300-500kg/h.

排水板具有圆锥形凸台的一种立体支撑的空间结构, 既具有排水功能, 又具有蓄水功能的一种轻型板材, 板材空间刚度极高, 抗压性强。主要用于地下工程顶板或屋顶绿化中。制品厚度0.5-3mm, 宽度2000-5000mm。

The outer figure of water drainage sheet is cone salient, functions of draining water and storing water, features of high stiffness and pressure resistance. Used for underground construction or roofing green. Product thickness 0.5-3mm and width 2000-5000mm.



## Automatic Raw Materials Feeding System

原料自动化供应

由机器人将原料包进行智能识别, 自动抓包、破包、并经过电脑称重配比上料, 供应挤出机所需的配方原料。

可配有原料定时抽样留存设备, 以满足高要求的用户对产品质量的追溯溯源。

The robot intelligently identifies, grabs, breaks the raw material bag and loads the material through computer weighing and proportioning to supply the formula raw materials required by the extruder.

By equipping the regular sampling and retention of raw materials, so as to meet the requirements of high-quality users for tracking and traceability of product quality.



## Automatic Packing Equipment

成品自动化包装

在制品生产完成全自动收卷以后, 可以增配成品自动打包、自动称重、自动打标签和贴标, 以及自动码垛和转运至仓储的流水线成套设备。

Automatic packing, weighing, labeling of finished product could be, as well as automatic stacking and transfer to the warehouse can be added as optional equipment.



金纬机械公司在防水卷材领域多年的经验与您共享。采用同向平行双螺杆挤出机，锥形、平行异向双螺杆挤出机，高效单螺杆挤出机多种机型方案，适合PE、EVA、TPO、PVC、ECB等多种高分子材料卷材生产。

生产线高产量、高效率，低能耗。卷材成品厚度均匀，平整无荷叶边、无鼓包；各项检测数据优于标准；可配备有全套的机器人自动拆包、电脑配比供料，以及成品自动收卷打包、称重和电脑打印贴标无人工厂系统设备。全套生产线自动化程度高、用人少易管理。

Jwell Machinery Co., Ltd. will share with you many years of experience in the field of waterproofing membranes. It adopts co-rotating parallel twin-screw extruder, conical and parallel counter rotating twin-screw extruder, and high efficiency single-screw extruder. It is suitable for PE, EVA, TPO, PVC, ECB and other polymer coil production.

The production line has high output, high efficiency and low energy consumption. The thickness of the finished coil product is uniform, flat without ruffles and bulges; the test data is better than the standard; it can be equipped with a full set of robot automatic unpacking, computer proportioning and feeding, as well as finished product automatic winding and packaging, weighing and computer printing and labeling unmanned factory system equipment. The full set of production lines has a high degree of automation, less labor and easy management.

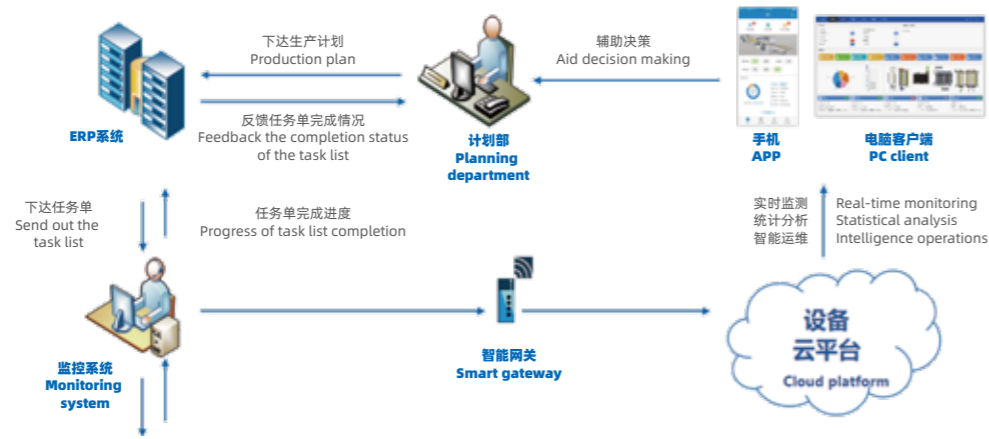
## Smart Factory 智慧工厂

基于MES系统平台，实现车间生产管理的信息沟通平台，并向智能化方向发展。

工厂电脑和管理者手机都可以经授权后接入工厂设备管控平台。

Based on the MES system platform, the information communication platform for workshop is realized and is developing towards intelligence.

Factory computers and managers' mobile phones are able to be connected to the factory equipment control platform after authorization.



## PE/PVC/TPO/CPE/EVA Composite Water Proof Sheet

PE/PVC/TPO/CPE/EVA复合型高分子防水卷材



各种屋面、地下室、隧道等建筑用防水领域。高分子自粘胶膜预铺防水卷材生产，配套涂胶及喷砂防粘设备可生产自粘型及预铺反粘型产品。采用预铺反粘法施工，能与混凝土结构自防水实现融合。

除生产均质卷材以外，还有中间带聚酯网布增强层，表面附以织物纤维、铝膜而制成的新型防水卷材。

符合铁道部CRCC认证的隧道用防腐防水高分子防水卷材生产方案和设备。

Used in various roof, basement, tunnel and other building waterproof fields. The production of polymer self-adhesive film pre laid waterproof coiled material, and the supporting gluing and sand blasting anti sticking equipment can produce self-adhesive and pre laid anti adhesive products. The pre paving anti adhesion method can be used for construction, which can be integrated with the self waterproofing of concrete structure.

In addition to the production of normal waterproof sheet, there is a new waterproof material with a polyester mesh reinforcement layer in the middle and fabric fiber & aluminum film on the surface.

## Geomembrane Sheet

宽幅高分子防水卷材/土工膜

土壤和水体保护；用于采矿、水利、液态肥料和贮水池；它们的安装和焊接技术与传统的PE土工膜相同。

垃圾填埋和覆盖，有效的地下水保护；任何情况下，土工膜通常是垃圾填埋的底层材料，防止雨水渗透，保护地下水不会被通过填埋区基层的污染物所污染。根据堆积材料的污染程度，可使用土工复合材料系统封闭表面。

可以生产光面、多点糙面的土工膜外，还可生产共挤土工膜，添加强化背衬和增强夹层成分，层压无纺布。土工膜的宽度最大可达9m宽幅。



Soil and water conservation; used for mining, water conservancy, liquid fertilizer and water storage tanks.

Landfill and covering of garbage so that it will be effective groundwater protection; In any case, geomembrane is usually the underlying material of landfill to prevent rainwater infiltration and protect groundwater from being polluted by pollutants passing through the base of landfill area.

In addition to produce smooth and multi-point rough geomembrane, also you can produce co-extrusion geomembrane with reinforced backing and interlayer components as well as non-woven fabric. The maximum width of geomembrane could be 9m.