

# HC-213外墙保温板生产线

产品名称	HC-213外墙保温板生产线
公司名称	惠州市和成机械设备有限公司
价格	面议
规格参数	电机功率:30 ( Kw ) 重量:10000 ( kg )
公司地址	惠州市惠阳区秋长街道维布村委会新生小组展滔工业园C8厂房
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## 产品详情

1, 概述: hc-213系列聚氨酯(pu)夹芯板材设备是我公司经多年研究与试验开发出一套具有自主知识产权, 适合国情的连续式自动化生产设备。此款设备可兼容生产多种彩钢夹心瓦和外墙板材产品。本公司成熟的设备制造经验与聚氨酯组合泡沫材料生产配套技术给生产企业带提供了质量保证。也给绿色节能建筑市场带来了广阔前景。

summary: hc-213pu sandwich panel manufacturing line is designed by our engineer, which hasreferenced international advantage experience. this equipment is easy tooperate and suitable for developing countries.

2, 聚氨酯(pu)夹芯板材生产线图片:

p u sandwichpanel manufacturing line sketch map:

3, 生产线主要组成部分列表:

the list ofmanufacturing line main parts:

序号/ no.	名称/ part name	型号/规格 type	数量/ quantity
1	自动补料系统 unreeling system	hc-021a	贰套/2 sets
2	物料预混储料系统 material pre-mix system	hc-400a	贰套/2 sets
3	压型机	hc-p09	壹套/1 set

	forming press		
4	预热系统 pre-heat system	hc-p12a	壹套/1 set
5	自动放卷系统	hc-r15b	壹套/1 set
6	pu高压发泡设备 pu foam machine	hc-202h	壹套/1 set
7	注射平台 pouring movable platform	hc-p13a	壹套/1 set
8	液压升降油缸 hydraulic lift cylinder	hc-p14a	拾陆套/ 16set
9	液压站系统 hydraulic system	hc-pn100	壹套/1 set
10	双履带式连续成型设备 double caterpillar continuous forming machine	hc-212b	壹套/1 set
11	铝箔纸放置系统 aluminum foil uncoil system	hc-e05	壹套/1 set
12	全自动裁切设备 automatic cutting machine	hc-p16a	壹套/1 set
13	plc中央控制系统 plc central control system	hc-p17a	壹套/1 set
14	产品裁切输送线 products conveyor system	hc-p18a	壹套/1 set
15	左右侧挡系统 side block system	hc-p19a	贰套/2 sets
16	预混系统冷,热恒温设备 temperature control equipment	hc-p22a	贰套/2 sets

4, 设备技术参数 :

the whole equipment parameter:

电源 : 380v/50hz , 气源 : 6bar , 总装机功率约120kw

electric source:380v/50hz, air source: 6bar,

total power:about 120kw

设备占地面积约 : 长34m , 宽6m,高3.5m

floor square: 134m\*w6m\*h3.5m

生产线速度：0-6m/min

speed of manufacturing line: 0-8m/min

5, 成品描述：

products description:

表面材质：铝板

surface material: color steel

中间材质：聚氨酯(pu)

intermediate layer: pu

底面材质：铝箔纸、pvc纸或牛皮纸等。

underside: aluminum foil, pvc paper, color steel

可生产尺寸：长度1-10m，宽度0-600mm，厚度1-100mm（可调）

size: no limit of the length, width 0-600mm, thickness 1-100mm (adjustable)

板型图如下；

6, 中央控制系统：

plc central control system:

此套设备生产流程由plc中央控制系统控制连续生产。

the whole process of the manufacturing line is controlled by plc central control system.

超大液晶显示器具有强大功能菜单，设有压力，温度、线速、转速，流量压力故障及节假日自动循环监控等。操作方便，简单。

large lcd monitor has powerful function menu that can monitor the temperature, speed, pressure, flow, failure information and so on. the operation is easy and convenient.

7, pu高压连续发泡设备/pu high pressure continuous foam equipment

聚氨酯（pu）高压发泡设备：pu high pressure foam machine

功能：采用plc中央控制系统操控，将生产所需异氰酸酯（iso）/聚醚多元醇（polyol）两种调配后的混合材料，按设定好的时间、温度、压力、流量及混合比例等通过高压混合后均匀浇注在水泥卷材上面，进入层压设备发泡成型。

function: adopts plc central control system, mix the raw material poly & iso and spray on to the cement panel, and

then material foaming in the form pressmachine. all the process are finished under the setting time, temperature, pressure, flow and mixing ratio.

I主要结构：高压混合头，a、b料高压变量柱塞泵、a/b料容积式流量计、a/b料变频马达及磁性联轴器、a/b料生产储料罐，液压系统，冷热温控系统，plc中央控制系统、自动补料输料系统

I main structure: high pressure mixing head, a & b raw material pumps, flowmeters, a & b converter motors and electromagnetic coupling, a & b raw material tanks, hydraulic system, temperature control system, plc central control system, refilling system.

I特点；1.该设备具有混合均匀稳定、适应高粘度材料连续生产，自动清洁操作简单方便。2.a/b料温控系统可选择实行独立加温或制冷控温。3、此发泡机a/b料流量及比例调整范围大、不受产品厚薄及材料影响。

I features: 1, this machine has mixing homogeneously and stable, suitable for high viscosity material continuous producing. and easy to operate. 2, the temperature of a & b material can be controlled separately. 3, the flow and ratio of the material a & b can be adjusted in wide-bound.

## 8，自动放卷设备

automatic uncoil equipment

## 9，预热系统

pre-heat system

由双层钢板制作，中间层采用石棉填充保温隔热。

made by double layers steel, and the interface fills asbestos to preserve heat.

预热方式采用红外线照射彩钢表面加温，快捷省电。

adopt red-ray to heat. heating quickly and saving electricity.

## 10，前置彩钢模切断装置

front cutting equipment:

在开卷装置后面，采用手动裁切，可实现计量长度和定量长度切断。

placed behind the unreeling equipment, handle cutting.

## 12，锡箔纸、pvc纸放卷机

aluminum foil/pvc paper unreeling machine

生产单面彩钢板时用于产品背面复合材料。

used for underside compound when manufacture one side color steel and one side aluminum foil.

该系统具有自动纠编功能。

this system has automatic correct function.

### 13, 压型机

forming press

用于将铝板按要求压制成型.

used for press the color steel.

### 14, 双履带层压成型设备

double caterpillar continuous forming machine:

双履带成型设备长18m, 上下由独立式的双层铝板, 链轮及机架组成, 机架高度1.6m, 下机架链板面高度1.2m。

the length of the double caterpillar continuous forming machine is 18m. made by up and bottom frames. it has three parts. the height of the frame is 1.6m. the height of link plate of bottom frame is 1.2m.

自动循环侧挡系统2套, 分别安置在生产线上铝板两边, 生产不同厚度夹芯板时可通过更换侧挡块使用。

there are 2 sets of nylon battle plates, which are placed on the two sides of aluminum panel. the nylon battle plates can be changed according to the thickness of the producing pu panel.

链板均匀安装在链轮上, 链板驱动采用上下2台齿轮减速马达驱动, 速度由变频器调控。

the link plates are installed on the chainwheel, and driven by up and bottom gear motor. the speed can be changed by frequency converter.

### 15, 液压提升装置

hydraulic lift system:

双铝带上层成型机提升由液压总成及整套套液压油缸执行, 有限使用提升高度为20-200mm

the up forming machine is lifted by hydraulic cylinders. the lift height is 20-200mm.

### 16、侧挡系统

功能: 将标准厚度尼龙挡块固定在双履带铝板两边, 生产不同厚度产品时只需在原尼龙侧挡件上叠加即可, 生产线由蜗轮减速变频传动装置带动, 双履带层压机将配合整套设备动作保持连续生产。

### 17, 双履带生产线自动电加热热循环系统

heating cycle system:

采用导热管电热循环加温系统，导温快、安全性高。

heated by bold heating tube. each oven has separate temperature control and heat dissipation equipment.

系统配有上下通风管道及恒温装置，可自动调节设定生产温度。

this system equipped with ventilating duct, and can set the temperature automatically.

电烘箱上下个5节，双层钢板制造中间用石棉填充保温，每段可独立控温，

## 18，产品自动切割设备

finished products cutting equipment:

切割设备由plc中央系统控制功能：自动跟踪裁切设备采用自动编码测量器及定点裁切装置两种方式，在生产连续不停条件下由plc电脑控制对产品进行自动计量自动定位切割。主要结构：双刃面台锯系统、长度计量编码器、活动式定位裁切装置、裁切工作台、步进电机驱动导轨。

this cutting equipment is controlled by plc central control system.

## 19, iso、polyl 两组份预混、储料系统：

material refill system for pre-mix system

a, b料预混反应釜容积各1000升，夹层式自动恒温。系统配有冷热两用型冷冻设备，搅拌器，安全阀磁力液位计，自动感应补料系统等。

the capacity of material a & b are 1000l, the inside material is sus304, jacket-type. this system equipped with chiller, stirrer, level gauge and automatic refill system.

功能：此系统由a、b料罐，搅拌器，冷热两用型恒温设备及自动上料、补料装置组成，生产时将原材料分别加入iso、polyl储料罐，用以均匀搅拌、恒温、能及时对发泡机生产料罐补充材料，满足其连续生产需求。

设备组成：a/b料预混储料罐、a/b料循环补料泵浦、马达系统、a/b料冷冻、加温系统、a/b料抽料搅拌系统、a/b料冷凝器快速加热或制冷循环系统、a/b料液位显示及感应系统。

特点：通过增加冷凝器循环的方式，能快速均匀对a/b料加温或制冷后自动补充到发泡机生产料罐满足连续生产需要。

## 20，侧挡成型模块

moulding block

根据产品不同厚度及形状组成，生产时按产品厚度安装对应的尼龙件挡块。

change the nylon block according to different thickness products.

## 21，成品输送线

finished products conveyor system:

由钢架焊接而成，采用滚轴式链接输送。

made by weld steel frame. and adopts roller shaft to convey.

生产线与双履带线连接供产品成型后自动裁切输送使用。

本产品的加工定制是是，电机功率是30（Kw），重量是10000（kg）